Manual No. '12 • KX-DB-175
updated January 08 ,2014

MITSUBISHI HEAVY INDUSTRIES

DATA BOOK

VRF INVERTER MULTI-SYSTEM AIR CONDITIONERS

Alternative refrigerant R410A use models

(INDOOR UNIT) –KX6 series–

FDT28KXE6F	FDTC22KXE6F	FDTW28KXE6F	FDTQ22KXE6F	FDTS45KXE6D	FDU71KXE6D
36KXE6F	28KXE6F	45KXE6F	28KXE6F	71KXE6D	90KXE6D
45KXE6F	36KXE6F	56KXE6F	36KXE6F		112KXE6D
56KXE6F	45KXE6F	71KXE6F			140KXE6D
71KXE6F	56KXE6F	90KXE6F			224KXE6F
90KXE6F		112KXE6F			280KXE6F
112KXE6F		140KXE6F			
140KXE6F					
160KXE6F					

FDUM22KXE6F	FDUT22KXE6D	FDUH22KXE6F	FDK22KXE6F	FDE36KXE6F	FDFW28KXE6F
28KXE6F	28KXE6D	28KXE6F	28KXE6F	45KXE6F	45KXE6F
36KXE6F	36KXE6D	36KXE6F	36KXE6F	56KXE6F	56KXE6F
45KXE6F	45KXE6D		45KXE6F	71KXE6F	
56KXE6F	56KXE6D		56KXE6F	112KXE6F	
71KXE6F			71KXE6F	140KXE6F	
90KXE6F					
112KXE6F					
140KXE6F					
160KXE6F					

FDFL71KXE6F	FDFU28KXE6F	FDU500FKXE6F
	45KXE6F	850FKXE6F
	56KXE6F	1300FKXE6F
	71KXE6F	1800FKXE6F

• Note:
(1) Regarding the Outdoor unit series, refer to the No.08 • KX-T-117, No.09 • KX-DB-124, 127, 09 • KXR-DB-129, 09 • KX-SM-125, 128, 09 • KXR-SM-130, 10 • KX-DB-144.
(2) Regarding the Duct Connected-High static Pressure-type Outdoor Air Processing Unit Series (FDU500~1800FKXE6), refer to the DATA BOOK No.'08 • KX-DB-122

MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.

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1 GENERAL INFORMATION

1.1 Table of models

Model \ Capacity	22	28	36	45	56	71	90	112	140	160	224	280
Ceiling cassette-4 way type (FDT)		○	○	○	○	○	○	○	○	○		
Ceiling cassette-4 way compact type (FDTC)	○	○	○	○	○							
Ceiling cassette-2 way type (FDTW)		○		○	○	○	○	○	○			
Ceiling cassette-1 way compact type (FDTQ)	○	○	○									
Ceiling cassette-1 way type (FDTS)				○		○						
Duct connected-High static pressure type (FDU)						○(1)	○(1)	○(1)	○(1)		○	○
Duct connected-Low/Middle static preessure type (FDUM)	○	○	○	○	○	○	○	○	○	○		
Duct connected (thin)-Low static pressure type (FDUT)	○	○	○	○	○							
Duct connected-Compact and Flexible type (FDUH)	○	○	○									
Wall mounted type (FDK)	○	○	○	○	○	○						
Ceiling suspended type (FDE)			○	○	○	○		○	○			
Floor standing-2 way type (FDFW)		○		○	○							
Floor standing (with casing) type(1) (FDFL)						○						
Floor standing (without casing) type(1) (FDFU)		○		○	○	○						
Outdoor air processing unit (FDU-F)							○		○		○	○

Note (1) Models 50Hz only.

1.2 Table of indoor units panel (Optional)

Model		Parts Model
FDT	Capacity:28,36,45,56,71, 90,112,140,160	T-PSA-3BW-E
FDTC	Capacity:22,28,36,45,56	TC-PSA-25W-E
FDTW	Capacity:28,45,56,71	TW-PSA-26W-E
	Capacity:90,112,140	TW-PSA-46W-E
FDTQ (Direct blow panel)	Capacity:22,28,36	TQ-PSA-15W-E
		TQ-PSB-15W-E
FDTQ (Duct panel)	Capacity:22,28,36	QR-PNA-14W-ER
		QR-PNB-14W-ER
FDTS	Capacity: 45	TS-PSA-29W-E
	Capacity:71	TS-PSA-39W-E

1.3 How to read the model name

● **Indoor unit**

Example: FDT 28 KX E 6F

- 6F — Series No.
- E — Application power source...See the specifications
- KX — Multi KX series
- 28 — Nominal capacity (nominal cooling capacity : 2.8kW)
- FDT — Model name [Indoor unit : FDTC, FDT, FDTW, FDTQ, FDTS, FDU, FDUM, FDUT, FDE, FDK, FDFL, FDFU, FDFW, FDUH, FDU-F]

2 INDOOR UNITS

2.1 Specifications

(a) Ceiling cassette-4 way type (FDT)

Models FDT28KXE6F, 36KXE6F, 45KXE6F, 56KXE6F, 71KXE6F

Models			FDT28KXE6F	FDT36KXE6F	FDT45KXE6F	FDT56KXE6F	FDT71KXE6F
Panel model (Option)			T-PSA-3BW-E	T-PSA-3BW-E	T-PSA-3BW-E	T-PSA-3BW-E	T-PSA-3BW-E
Nominal cooling capacity*1		kW	2.8	3.6	4.5	5.6	7.1
Nominal heating capacity*2		kW	3.2	4.0	5.0	6.3	8.0
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.03 - 0.03 / 0.03	0.03 - 0.03 / 0.03	0.03 - 0.03 / 0.03	0.04 - 0.04 / 0.04	0.08 - 0.08 / 0.08
	Heat	kW	0.03 - 0.03 / 0.03	0.03 - 0.03 / 0.03	0.03 - 0.03 / 0.03	0.04 - 0.04 / 0.04	0.08 - 0.08 / 0.08
Running current	Cool	A	0.15 - 0.14 / 0.15	0.15 - 0.14 / 0.15	0.15 - 0.14 / 0.15	0.20 - 0.19 / 0.20	0.40 - 0.37 / 0.40
	Heat	A	0.15 - 0.14 / 0.15	0.15 - 0.14 / 0.15	0.15 - 0.14 / 0.15	0.20 - 0.19 / 0.20	0.40 - 0.37 / 0.40
Sound Pressure Level		dB(A)	P-Hi : 37 Hi : 33 Me : 31 Lo : 30	P-Hi : 37 Hi : 33 Me : 31 Lo : 30	P-Hi : 37 Hi : 33 Me : 31 Lo : 30	P-Hi : 39 Hi : 33 Me : 31 Lo : 30	P-Hi : 46 Hi : 33 Me : 31 Lo : 30
Exterior dimensions Height x Width x Depth		mm	Unit : 246 × 840 × 840 Panel : 35 × 950 × 950	Unit : 246 × 840 × 840 Panel : 35 × 950 × 950	Unit : 246 × 840 × 840 Panel : 35 × 950 × 950	Unit : 246 × 840 × 840 Panel : 35 × 950 × 950	Unit : 246 × 840 × 840 Panel : 35 × 950 × 950
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	Unit : 22 Panel : 5.5	Unit : 22 Panel : 5.5	Unit : 22 Panel : 5.5	Unit : 24 Panel : 5.5	Unit : 24 Panel : 5.5
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Turbo fan × 1	Turbo fan × 1	Turbo fan × 1	Turbo fan × 1	Turbo fan × 1
Motor		W	58	58	58	58	58
Starting method			Direct line start	Direct line start	Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 20 Hi : 18 Me : 16 Lo : 14	P-Hi : 20 Hi : 18 Me : 16 Lo : 14	P-Hi : 20 Hi : 18 Me : 16 Lo : 14	P-Hi : 20 Hi : 18 Me : 16 Lo : 14	P-Hi : 28 Hi : 18 Me : 16 Lo : 14
External static pressure		Pa	0	0	0	0	0
Outdoor air intake			Possible	Possible	Possible	Possible	Possible
Air filter, Q'ty			Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option : RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with V P 2 5	Connectable with V P 2 5	Connectable with V P 2 5	Connectable with V P 2 5	Connectable with V P 2 5
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

Adapted to **RoHS** directive

Models FDT90KXE6F, 112KXE6F, 140KXE6F, 160KXE6F

Models			FDT90KXE6F	FDT112KXE6F	FDT140KXE6F	FDT160KXE6F
Panel model (Option)			T-PSA-3BW-E	T-PSA-3BW-E	T-PSA-3BW-E	T-PSA-3BW-E
Nominal cooling capacity*1		kW	9.0	11.2	14.0	16.0
Nominal heating capacity*2		kW	10.0	12.5	16.0	18.0
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.15 - 0.15 / 0.15	0.15 - 0.15 / 0.15	0.15 - 0.15 / 0.15	0.15 - 0.15 / 0.15
	Heat		0.15 - 0.15 / 0.15	0.15 - 0.15 / 0.15	0.15 - 0.15 / 0.15	0.15 - 0.15 / 0.15
Running current	Cool	A	0.76 - 0.69 / 0.76	0.76 - 0.69 / 0.76	0.76 - 0.69 / 0.76	0.76 - 0.69 / 0.76
	Heat		0.76 - 0.69 / 0.76	0.76 - 0.69 / 0.76	0.76 - 0.69 / 0.76	0.76 - 0.69 / 0.76
Sound Pressure Level		dB(A)	P-Hi : 51 Hi : 40 Me : 37 Lo : 35	P-Hi : 51 Hi : 40 Me : 37 Lo : 35	P-Hi : 51 Hi : 42 Me : 40 Lo : 37	P-Hi : 51 Hi : 43 Me : 41 Lo : 38
Exterior dimensions Height x Width x Depth		mm	Unit : 298 × 840 × 840 Panel : 35 × 950 × 950	Unit : 298 × 840 × 840 Panel : 35 × 950 × 950	Unit : 298 × 840 × 840 Panel : 35 × 950 × 950	Unit : 298 × 840 × 840 Panel : 35 × 950 × 950
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	Unit : 27 Panel : 5.5	Unit : 27 Panel : 5.5	Unit : 27 Panel : 5.5	Unit : 27 Panel : 5.5
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Turbo fan × 1	Turbo fan × 1	Turbo fan × 1	Turbo fan × 1
Motor		W	120	120	120	120
Starting method			Direct line start	Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 37 Hi : 27 Me : 24 Lo : 20	P-Hi : 37 Hi : 27 Me : 24 Lo : 20	P-Hi : 37 Hi : 30 Me : 27 Lo : 23	P-Hi : 37 Hi : 30 Me : 27 Lo : 23
External static pressure		Pa	0	0	0	0
Outdoor air intake			Possible	Possible	Possible	Possible
Air filter, Q'ty			Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with V P 2 5	Connectable with V P 2 5	Connectable with V P 2 5	Connectable with V P 2 5
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

Adapted to **RoHS** directive

(b) Ceiling cassette-4 way compact type (FDTC)

Models FDTC22KXE6F, 28KXE6F, 36KXE6F, 45KXE6F, 56KXE6F

Models			FDTC22KXE6F	FDTC28KXE6F	FDTC36KXE6F	FDTC45KXE6F	FDTC56KXE6F
Panel model (Option)			TC-PSA-25W-E	TC-PSA-25W-E	TC-PSA-25W-E	TC-PSA-25W-E	TC-PSA-25W-E
Nominal cooling capacity*1		kW	2.2	2.8	3.6	4.5	5.6
Nominal heating capacity*2		kW	2.5	3.2	4.0	5.0	6.3
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.03 - 0.03 / 0.03	0.03 - 0.03 / 0.03	0.03 - 0.03 / 0.03	0.05 - 0.05 / 0.05	0.05 - 0.05 / 0.05
	Heat	kW	0.03 - 0.03 / 0.03	0.03 - 0.03 / 0.03	0.03 - 0.03 / 0.03	0.05 - 0.05 / 0.05	0.05 - 0.05 / 0.05
Running current	Cool	A	0.15 - 0.14 / 0.15	0.15 - 0.14 / 0.15	0.15 - 0.14 / 0.15	0.25 - 0.23 / 0.25	0.25 - 0.23 / 0.25
	Heat	A	0.15 - 0.14 / 0.15	0.15 - 0.14 / 0.15	0.15 - 0.14 / 0.15	0.25 - 0.23 / 0.25	0.25 - 0.23 / 0.25
Sound Pressure Level	Cool	dB(A)	P-Hi : 44 Hi : 35 Me : 33 Lo : 30	P-Hi : 44 Hi : 35 Me : 33 Lo : 30	P-Hi : 46 Hi : 38 Me : 36 Lo : 31	P-Hi : 48 Hi : 40 Me : 37 Lo : 31	P-Hi : 49 Hi : 45 Me : 39 Lo : 31
	Heat	dB(A)	P-Hi : 44 Hi : 35 Me : 33 Lo : 32	P-Hi : 44 Hi : 35 Me : 33 Lo : 32	P-Hi : 46 Hi : 38 Me : 36 Lo : 34	P-Hi : 48 Hi : 40 Me : 37 Lo : 34	P-Hi : 49 Hi : 45 Me : 39 Lo : 34
Exterior dimensions Height x Width x Depth		mm	Unit : 248 × 570 × 570 Panel : 35 × 700 × 700	Unit : 248 × 570 × 570 Panel : 35 × 700 × 700	Unit : 248 × 570 × 570 Panel : 35 × 700 × 700	Unit : 248 × 570 × 570 Panel : 35 × 700 × 700	Unit : 248 × 570 × 570 Panel : 35 × 700 × 700
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	Unit : 14 Panel : 3.5	Unit : 14 Panel : 3.5	Unit : 15 Panel : 3.5	Unit : 15 Panel : 3.5	Unit : 15 Panel : 3.5
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Turbo fan × 1	Turbo fan × 1	Turbo fan × 1	Turbo fan × 1	Turbo fan × 1
Motor		W	33	33	33	33	33
Starting method			Direct line start	Direct line start	Direct line start	Direct line start	Direct line start
Air flow(Standard)	Cool	CMM	P-Hi : 12 Hi : 9.5 Me : 8.5 Lo : 7	P-Hi : 12 Hi : 9.5 Me : 8.5 Lo : 7	P-Hi : 13 Hi : 10 Me : 9 Lo : 7	P-Hi : 15 Hi : 11 Me : 9 Lo : 7	P-Hi : 16 Hi : 13 Me : 10 Lo : 7
	Heat	CMM	P-Hi : 12 Hi : 9.5 Me : 8.5 Lo : 8	P-Hi : 12 Hi : 9.5 Me : 8.5 Lo : 8	P-Hi : 13 Hi : 10 Me : 9 Lo : 8	P-Hi : 15 Hi : 11 Me : 9 Lo : 8	P-Hi : 16 Hi : 13 Me : 10 Lo : 8
External static pressure		Pa	0	0	0	0	0
Outdoor air intake			Not possible	Not possible	Not possible	Not possible	Not possible
Air filter, Q'ty			Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

Adapted to **RoHS** directive

(c) Ceiling cassette-2 way type (FDTW)
Models FDTW28KXE6F, 45KXE6F, 56KXE6F

Models			FDTW28KXE6F	FDTW45KXE6F	FDTW56KXE6F
Panel model (Option)			TW-PSA-26W-E	TW-PSA-26W-E	TW-PSA-26W-E
Nominal cooling capacity*1		kW	2.8	4.5	5.6
Nominal heating capacity*2		kW	3.2	5.0	6.3
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.09 - 0.09 / 0.09	0.10 - 0.10 / 0.10	0.10 - 0.10 / 0.10
	Heat		0.09 - 0.09 / 0.09	0.10 - 0.10 / 0.10	0.10 - 0.10 / 0.10
Running current	Cool	A	0.45 - 0.45 / 0.45	0.55 - 0.55 / 0.55	0.55 - 0.55 / 0.55
	Heat		0.45 - 0.45 / 0.45	0.55 - 0.55 / 0.55	0.55 - 0.55 / 0.55
Sound Pressure Level		dB(A)	P-Hi : 42 Hi : 38 Me : 34 Lo : 31	P-Hi : 42 Hi : 38 Me : 34 Lo : 31	P-Hi : 42 Hi : 38 Me : 34 Lo : 31
Exterior dimensions Height x Width x Depth		mm	Unit : 325 × 820 × 620 Panel : 20 × 1120 × 680	Unit : 325 × 820 × 620 Panel : 20 × 1120 × 680	Unit : 325 × 820 × 620 Panel : 20 × 1120 × 680
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	Unit : 20 Panel : 8.5	Unit : 21 Panel : 8.5	Unit : 21 Panel : 8.5
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Turbo fan × 1	Turbo fan × 1	Turbo fan × 1
Motor		W	30	35	35
Starting method			Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 14.5 Hi : 12 Me : 10 Lo : 9	P-Hi : 14.5 Hi : 12 Me : 10 Lo : 9	P-Hi : 14.5 Hi : 12 Me : 10 Lo : 9
External static pressure		Pa	0	0	0
Outdoor air intake			Possible	Possible	Possible
Air filter, Q'ty			Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)
Connecting method			Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with V P 2 5	Connectable with V P 2 5	Connectable with V P 2 5
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"
(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

Adapted to **RoHS** directive

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Models			FDTW71KXE6F	FDTW90KXE6F	FDTW112KXE6F	FDTW140KXE6F
Panel model (Option)			TW-PSA-26W-E	TW-PSA-46W-E	TW-PSA-46W-E	TW-PSA-46W-E
Nominal cooling capacity*1		kW	7.1	9.0	11.2	14.0
Nominal heating capacity*2		kW	8.0	10.0	12.5	16.0
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.14 - 0.14 / 0.14	0.19 - 0.19 / 0.19	0.19 - 0.19 / 0.19	0.19 - 0.19 / 0.19
	Heat		0.14 - 0.14 / 0.14	0.19 - 0.19 / 0.19	0.19 - 0.19 / 0.19	0.19 - 0.19 / 0.19
Running current	Cool	A	0.75 - 0.75 / 0.75	1.00 - 1.00 / 1.00	1.00 - 1.00 / 1.00	1.00 - 1.00 / 1.00
	Heat		0.75 - 0.75 / 0.75	1.00 - 1.00 / 1.00	1.00 - 1.00 / 1.00	1.00 - 1.00 / 1.00
Sound Pressure Level		dB(A)	P-Hi : 42 Hi : 38 Me : 34 Lo : 31	P-Hi : 48 Hi : 45 Me : 41 Lo : 37	P-Hi : 48 Hi : 45 Me : 41 Lo : 37	P-Hi : 48 Hi : 45 Me : 41 Lo : 37
Exterior dimensions Height x Width x Depth		mm	Unit : 325 × 820 × 820 Panel : 20 × 1120 × 680	Unit : 325 × 1535 × 620 Panel : 20 × 1835 × 680	325 × 1535 × 620 20 × 1835 × 680	325 × 1535 × 620 20 × 1835 × 680
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	Unit : 23 Panel : 8.5	Unit : 35 Panel : 13	Unit : 35 Panel : 13	Unit : 35 Panel : 13
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Turbo fan × 1	Turbo fan × 1	Turbo fan × 2	Turbo fan × 2
Motor		W	40	35 × 2	35 × 2	35 × 2
Starting method			Direct line start	Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 14.5 Hi : 12 Me : 10 Lo : 9	P-Hi : 31 Hi : 27 Me : 23 Lo : 20	P-Hi : 31 Hi : 27 Me : 23 Lo : 20	P-Hi : 31 Hi : 27 Me : 23 Lo : 20
External static pressure		Pa	0	0	0	0
Outdoor air intake			Possible	Possible	Possible	Possible
Air filter, Q'ty			Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with V P 2 5	Connectable with V P 2 5	Connectable with V P 2 5	Connectable with V P 2 5
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"
(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

Adapted to **RoHS** directive

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(d) Ceiling cassette-1 way compact type (FDTQ)
Model FDTQ22KXE6F

Models			FDTQ22KXE6F	FDTQ22KXE6F	FDTQ22KXE6F	FDTQ22KXE6F
Panel model (Option)			Direct blow panel TQ-PSA-15W-E	Direct blow panel TQ-PSB-15W-E	Duct panel QR-PNA-14W-ER	Duct panel QR-PNB-14W-ER
Nominal cooling capacity*1		kW	2.2	2.2	2.2	2.2
Nominal heating capacity*2		kW	2.5	2.5	2.5	2.5
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07
	Heat	kW	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07
Running current	Cool	A	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35
	Heat	A	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35
Sound Pressure Level		dB(A)	P-Hi : 45 Hi : 41 Me : 38 Lo : 33	P-Hi : 45 Hi : 41 Me : 38 Lo : 33	P-Hi : 45 Hi : 41 Me : 38 Lo : 33	P-Hi : 45 Hi : 41 Me : 38 Lo : 33
Exterior dimensions Height x Width x Depth		mm	Unit : 250 × 570 × 570 Panel : 35 × 625 × 650	Unit : 250 × 570 × 570 Panel : 35 × 780 × 650	Unit : 250 × 570 × 570 Panel : 35 × 625 × 650	Unit : 250 × 570 × 570 Panel : 35 × 780 × 650
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	Unit : 23 Panel : 2.5	Unit : 23 Panel : 3	Unit : 23 Panel : 2.5	Unit : 23 Panel : 3
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 1	Centrifugal fan × 1	Centrifugal fan × 1	Centrifugal fan × 1
Motor		W	30	30	30	30
Starting method			Direct line start	Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 8 Hi : 7 Me : 6 Lo : 5	P-Hi : 8 Hi : 7 Me : 6 Lo : 5	P-Hi : 8 Hi : 7 Me : 6 Lo : 5	P-Hi : 8 Hi : 7 Me : 6 Lo : 5
External static pressure		Pa	0	0	30	30
Outdoor air intake			Possible	Possible	Possible	Possible
Air filter, Q'ty			Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo)only.

Adapted to **RoHS** directive

Models			FDTQ28KXE6F	FDTQ28KXE6F	FDTQ28KXE6F	FDTQ28KXE6F
Panel model (Option)			Direct blow panel TQ-PSA-15W-E	Direct blow panel TQ-PSB-15W-E	Duct panel QR-PNA-14W-ER	Duct panel QR-PNB-14W-ER
Nominal cooling capacity*1		kW	2.8	2.8	2.8	2.8
Nominal heating capacity*2		kW	3.2	3.2	3.2	3.2
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07
	Heat		0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07
Running current	Cool	A	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35
	Heat		0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35
Sound Pressure Level		dB(A)	P-Hi : 45 Hi : 41 Me : 38 Lo : 33	P-Hi : 45 Hi : 41 Me : 38 Lo : 33	P-Hi : 45 Hi : 41 Me : 38 Lo : 33	P-Hi : 45 Hi : 41 Me : 38 Lo : 33
Exterior dimensions Height x Width x Depth		mm	Unit : 250 × 570 × 570 Panel : 35 × 625 × 650	Unit : 250 × 570 × 570 Panel : 35 × 780 × 650	Unit : 250 × 570 × 570 Panel : 35 × 625 × 650	Unit : 250 × 570 × 570 Panel : 35 × 780 × 650
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	Unit : 23 Panel : 2.5	Unit : 23 Panel : 3	Unit : 23 Panel : 2.5	Unit : 23 Panel : 3
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 1	Centrifugal fan × 1	Centrifugal fan × 1	Centrifugal fan × 1
Motor		W	30	30	30	30
Starting method			Direct line start	Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 8 Hi : 7 Me : 6 Lo : 5	P-Hi : 8 Hi : 7 Me : 6 Lo : 5	P-Hi : 8 Hi : 7 Me : 6 Lo : 5	P-Hi : 8 Hi : 7 Me : 6 Lo : 5
External static pressure		Pa	0	0	30	30
Outdoor air intake			Possible	Possible	Possible	Possible
Air filter, Q'ty			Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo)only.

Adapted to **RoHS** directive

PJC001Z329

Models			FDTQ36KXE6F	FDTQ36KXE6F	FDTQ36KXE6F	FDTQ36KXE6F
Panel model (Option)			Direct blow panel TQ-PSA-15W-E	Direct blow panel TQ-PSB-15W-E	Duct panel QR-PNA-14W-ER	Duct panel QR-PNB-14W-ER
Nominal cooling capacity*1		kW	3.6	3.6	3.6	3.6
Nominal heating capacity*2		kW	4.0	4.0	4.0	4.0
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07
	Heat	kW	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07
Running current	Cool	A	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35
	Heat	A	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35
Sound Pressure Level		dB(A)	P-Hi : 45 Hi : 41 Me : 38 Lo : 33	P-Hi : 45 Hi : 41 Me : 38 Lo : 33	P-Hi : 45 Hi : 41 Me : 38 Lo : 33	P-Hi : 45 Hi : 41 Me : 38 Lo : 33
Exterior dimensions Height x Width x Depth		mm	Unit : 250 × 570 × 570 Panel : 35 × 625 × 650	Unit : 250 × 570 × 570 Panel : 35 × 780 × 650	Unit : 250 × 570 × 570 Panel : 35 × 625 × 650	Unit : 250 × 570 × 570 Panel : 35 × 780 × 650
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	Unit : 23 Panel : 2.5	Unit : 23 Panel : 3	Unit : 23 Panel : 2.5	Unit : 23 Panel : 3
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 1	Centrifugal fan × 1	Centrifugal fan × 1	Centrifugal fan × 1
Motor		W	30	30	30	30
Starting method			Direct line start	Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 8 Hi : 7 Me : 6 Lo : 5	P-Hi : 8 Hi : 7 Me : 6 Lo : 5	P-Hi : 8 Hi : 7 Me : 6 Lo : 5	P-Hi : 8 Hi : 7 Me : 6 Lo : 5
External static pressure		Pa	0	0	30	30
Outdoor air intake			Possible	Possible	Possible	Possible
Air filter, Q'ty			Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)	Pocket plastic net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo)only.

Adapted to **RoHS** directive

(e) Ceiling cassette-1 way type (FDTS)
Models FDTS45KXE6D, 71KXE6D

Models			FDTS45KXE6D	FDTS71KXE6D
Panel model (Option)			TS-PSA-29W-E	TS-PSA-39W-E
Nominal cooling capacity*1		kW	4.5	7.1
Nominal heating capacity*2		kW	5.0	8.0
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.10 - 0.12 / 0.10	0.13 - 0.16 / 0.13
	Heat		0.10 - 0.12 / 0.10	0.13 - 0.16 / 0.13
Running current	Cool	A	0.46 - 0.53 / 0.46	0.60 - 0.70 / 0.60
	Heat		0.46 - 0.53 / 0.46	0.60 - 0.70 / 0.60
Sound Pressure Level		dB(A)	P-Hi : 44 Hi : 43 Me : 38 Lo : 36	P-Hi : 45 Hi : 44 Me : 38 Lo : 36
Exterior dimensions Height x Width x Depth		mm	Unit : 194 × 1,040 × 650 Panel : 10 × 1,290 × 770	Unit : 194 × 1,300 × 650 Panel : 10 × 1,500 × 770
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	Unit : 27 Panel : 6	Unit : 31 Panel : 7
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 2	Centrifugal fan × 4
Motor		W	40	35×2
Starting method			Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 16 Hi : 14 Me : 12 Lo : 10	P-Hi : 20 Hi : 18 Me : 15 Lo : 12
External static pressure		Pa	0	0
Outdoor air intake			Possible	Possible
Air filter, Q'ty			Pocket plastic net × 2 (Washable)	Pocket plastic net × 3 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5	Remote control switch Option: RC-E5
Room temperature control			Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)
Connecting method			Flare piping	Flare piping
Refrigerant			R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with V P 2 0	Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose

Adapted to **RoHS** directive

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

(f) Duct connected-High static pressure type (FDU)

Models FDU71KXE6D, 90KXE6D, 112KXE6D, 140KXE6D

Models			FDU71KXE6D	FDU90KXE6D	FDU112KXE6D	FDU140KXE6D
Nominal cooling capacity		kW	7.1	9.0	11.2	14.0
Nominal heating capacity		kW	8.0	10.0	12.5	16.0
Power source			220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz
Power consumption	Cool	kW	0.29 - 0.32	0.35 - 0.39	0.39 - 0.45	0.39 - 0.45
	Heat		0.27 - 0.30	0.34 - 0.38	0.34 - 0.39	0.34 - 0.39
Running current	Cool	A	1.40 - 1.44	1.65 - 1.79	1.83 - 1.94	1.83 - 1.94
	Heat		1.33 - 1.37	1.63 - 1.74	1.65 - 1.76	1.65 - 1.76
Sound Pressure Level		dB(A)	Hi : 41 Lo : 37	Hi : 42 Lo : 37	Hi : 42 Lo : 38	Hi : 43 Lo : 39
Exterior dimensions Height x Width x Depth		mm	297 × 850 × 650	350 × 1,370 × 650	350 × 1,370 × 650	350 × 1,370 × 650
Net weight		kg	40	63	63	63
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 2	Centrifugal fan × 2	Centrifugal fan × 2	Centrifugal fan × 2
Motor		W	230	280	280	370
Starting method			Direct line start	Direct line start	Direct line start	Direct line start
Air flow		CMM	Hi : 20 Lo : 17	Hi : 34 Lo : 27	Hi : 34 Lo : 27	Hi : 42 Lo : 33.5
External static pressure		Pa	Standard : 60 Max : 130	Standard : 60 Max : 130	Standard : 60 Max : 130	Standard : 60 Max : 130
Outdoor air intake			Possible(on Return duct)	Possible(on Return duct)	Possible(on Return duct)	Possible(on Return duct)
Air filter, Q'ty			Installed on site	Installed on site	Installed on site	Installed on site
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5	Remote control switch Option: RC-E5	Remote control switch Option: RC-E5	Remote control switch Option: RC-E5
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ9.52 (3/8") Gas line: ϕ15.88 (5/8")	Liquid line: ϕ9.52 (3/8") Gas line: ϕ15.88 (5/8")	Liquid line: ϕ9.52 (3/8") Gas line: ϕ15.88 (5/8")	Liquid line: ϕ9.52 (3/8") Gas line: ϕ15.88 (5/8")
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Drain hose	Drain hose	Drain hose	Drain hose

Notes (1) The data are measured at the following conditions. Adapted to **RoHS** directive

Item	Indoor air temperature		Outdoor air temperature		Standards	External static pressure of indoor unit
Operation	DB	WB	DB	WB		Pa
Cooling	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1	60
Heating	20 ℃		7 ℃	6 ℃		

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard. ISO-T1 "UNITARY AIR-CONDITIONERS

(3)External static pressure is changeable to set by remote controller. Standard external static pressure is factory setting.
MAX external static pressure is "High static pressure" setting.

(4)Values of sound pressure level become 5dB(A) upper at external static pressure 130Pa.

Models			FDU224KXE6F	FDU280KXE6F
Nominal cooling capacity		kW	22.4	28.0
Nominal heating capacity		kW	25.0	31.5
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.94 - 1.03 / 1.46	0.96 - 1.05 / 1.48
	Heat		0.86 - 0.90 / 1.28	0.88 - 0.96 / 1.36
Running current	Cool	A	4.30 - 4.34 / 6.60	4.36 - 4.38 / 6.72
	Heat		3.90 - 3.75 / 5.81	4.00 - 4.00 / 6.18
Sound Pressure Level		dB(A)	Hi : 51	Hi : 52
Exterior dimensions Height x Width x Depth		mm	360 × 1,570 × 830	360 × 1,570 × 830
Net weight		kg	92	92
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 4	Centrifugal fan × 4
Motor		W	270x2	270x2
Starting method			Direct line start	Direct line start
Air flow		CMM	Hi : 51 / 60	Hi : 68 / 80
External static pressure		Pa	200	200
Outdoor air intake			Possible(on Return duct)	Possible(on Return duct)
Air filter, Q'ty			Installed on site	Installed on site
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ9.52 (3/8″) Gas line: ϕ19.05(3/4″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ22.22(7/8″)
Connecting method			Brazing	Brazing
Refrigerant			R410A	R410A
Drain hose			Connectable with V P 2 5	Connectable with V P 2 5
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)

Notes (1) The data are measured at the following conditions. Adapted to **RoHS** directive

Item	Indoor air temperature		Outdoor air temperature		Standards	External static pressure of indoor unit
Operation	DB	WB	DB	WB		Pa
Cooling	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1	100
Heating	20 ℃		7 ℃	6 ℃		(With optional fan controller kit:U-FCRA)

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3)Values of sound pressure level become 5dB(A) upper at external static pressure 200Pa (factory setting).

(4)Values of air flow are based at external static pressure 200Pa (factory setting).

(g) Duct connected-Low/Middle static pressure type (FDUM)

Models FDUM22KXE6F, 28KXE6F, 36KXE6F, 45KXE6F, 56KXE6F

Models			FDUM22KXE6F	FDUM28KXE6F	FDUM36KXE6F	FDUM45KXE6F	FDUM56KXE6F
Nominal cooling capacity*1		kW	2.2	2.8	3.6	4.5	5.6
Nominal heating capacity*2		kW	2.5	3.2	4.0	5.0	6.3
Power source			220-240V～50Hz / 220V～60Hz	220-240V～50Hz / 220V～60Hz	220-240V～50Hz / 220V～60Hz	220-240V～50Hz / 220V～60Hz	220-240V～50Hz / 220V～60Hz
Power consumption	Cool	kW	0.10 - 0.10 / 0.10	0.10 - 0.10 / 0.10	0.10 - 0.10 / 0.10	0.10 - 0.10 / 0.10	0.10 - 0.10 / 0.10
	Heat	kW	0.10 - 0.10 / 0.10	0.10 - 0.10 / 0.10	0.10 - 0.10 / 0.10	0.10 - 0.10 / 0.10	0.10 - 0.10 / 0.10
Running current	Cool	A	0.46 - 0.42 / 0.46	0.46 - 0.42 / 0.46	0.46 - 0.42 / 0.46	0.46 - 0.42 / 0.46	0.46 - 0.42 / 0.46
	Heat	A	0.46 - 0.42 / 0.46	0.46 - 0.42 / 0.46	0.46 - 0.42 / 0.46	0.46 - 0.42 / 0.46	0.46 - 0.42 / 0.46
Sound Pressure Level		dB(A)	P-Hi : 37 Hi : 32 Me : 29 Lo : 26	P-Hi : 37 Hi : 32 Me : 29 Lo : 26	P-Hi : 37 Hi : 32 Me : 29 Lo : 26	P-Hi : 37 Hi : 32 Me : 29 Lo : 26	P-Hi : 37 Hi : 32 Me : 29 Lo : 26
Exterior dimensions Height x Width x Depth		mm	280 × 750 × 635	280 × 750 × 635	280 × 750 × 635	280 × 750 × 635	280 × 750 × 635
Net weight		kg	29	29	29	29	29
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 1	Centrifugal fan × 1	Centrifugal fan × 1	Centrifugal fan × 1	Centrifugal fan × 1
Motor		W	100	100	100	100	100
Starting method			Direct line start	Direct line start	Direct line start	Direct line start	Direct line start
Air flow (Standard)		CMM	P-Hi : 13 Hi : 10 Me : 9 Lo : 8	P-Hi : 13 Hi : 10 Me : 9 Lo : 8	P-Hi : 13 Hi : 10 Me : 9 Lo : 8	P-Hi : 13 Hi : 10 Me : 9 Lo : 8	P-Hi : 13 Hi : 10 Me : 9 Lo : 8
External static pressure		Pa	100 (at 13 CMM)	100 (at 13 CMM)	100 (at 13 CMM)	100 (at 13 CMM)	100 (at 13 CMM)
Outside air intake			Possible	Possible	Possible	Possible	Possible
Air filter, Q'ty			Procure locally	Procure locally	Procure locally	Procure locally	Procure locally
Shock & vibration absorber			Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option : RC-E5, RC-EX1A	Remote control switch Option : RC-E5, RC-EX1A	Remote control switch Option : RC-E5, RC-EX1A	Remote control switch Option : RC-E5, RC-EX1A	Remote control switch Option : RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line : ϕ6.35 (1/4") Gas line : ϕ9.52 (3/8")	Liquid line : ϕ6.35 (1/4") Gas line : ϕ9.52 (3/8")	Liquid line : ϕ6.35 (1/4") Gas line : ϕ12.7 (1/2")	Liquid line : ϕ6.35 (1/4") Gas line : ϕ12.7 (1/2")	Liquid line : ϕ6.35 (1/4") Gas line : ϕ12.7 (1/2")
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with VP20 (Standard) or VP25 (used with attached socket)	Connectable with VP20 (Standard) or VP25 (used with attached socket)	Connectable with VP20 (Standard) or VP25 (used with attached socket)	Connectable with VP20 (Standard) or VP25 (used with attached socket)	Connectable with VP20 (Standard) or VP25 (used with attached socket)
Insulation for piping			Necessary (both Liquid & Gas line)	Necessary (both Liquid & Gas line)	Necessary (both Liquid & Gas line)	Necessary (both Liquid & Gas line)	Necessary (both Liquid & Gas line)
Accessories			Drain hose	Drain hose	Drain hose	Drain hose	Drain hose

Notes (1) The data are measured at the following conditions.

Adapted to **RoHS** directive

Item	Indoor air temperature		Outdoor air temperature		Standards	External static pressure of indoor unit
Operation	DB	WB	DB	WB		Pa
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1	35
Heating	20˚C		7˚C	6˚C		

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard. ISO-T1 "UNITARY AIR-CONDITIONERS"
(3) Initial static pressure values of optional air filter "UM-FL1EF" are 5Pa.
(4) When wireless remote controller is used, fan is 3 speed setting (Hi-Me-Lo) only.

Models FDUM71KXE6F, 90KXE6F, 112KXE6F, 140KXE6F, 160KXE6F

Models			FDUM71KXE6F	FDUM90KXE6F	FDUM112KXE6F	FDUM140KXE6F	FDUM160KXE6F
Nominal cooling capacity*1		kW	7.1	9.0	11.2	14.0	16.0
Nominal heating capacity*2		kW	8.0	10.0	12.5	16.0	18.0
Power source			220-240V～50Hz / 220V～60Hz	220-240V～50Hz / 220V～60Hz	220-240V～50Hz / 220V～60Hz	220-240V～50Hz / 220V～60Hz	220-240V～50Hz / 220V～60Hz
Power consumption	Cool	kW	0.20 - 0.20 / 0.20	0.20 - 0.20 / 0.20	0.29 - 0.29 / 0.29	0.33 - 0.33 / 0.33	0.45 - 0.45 / 0.45
	Heat		0.20 - 0.20 / 0.20	0.20 - 0.20 / 0.20	0.29 - 0.29 / 0.29	0.33 - 0.33 / 0.33	0.45 - 0.45 / 0.45
Running current	Cool	A	0.91 - 0.83 / 0.91	0.91 - 0.83 / 0.91	1.32 - 1.21 / 1.32	1.50 - 1.38 / 1.50	2.05 - 1.88 / 2.05
	Heat		0.91 - 0.83 / 0.91	0.91 - 0.83 / 0.91	1.32 - 1.21 / 1.32	1.50 - 1.38 / 1.50	2.05 - 1.88 / 2.05
Sound Pressure Level		dB(A)	P-Hi : 38 Hi : 33 Me : 29 Lo : 25	P-Hi : 38 Hi : 33 Me : 29 Lo : 25	P-Hi : 44 Hi : 38 Me : 36 Lo : 30	P-Hi : 45 Hi : 40 Me : 34 Lo : 29	P-Hi : 47 Hi : 40 Me : 35 Lo : 30
Exterior dimensions Height x Width x Depth		mm	280 × 950 × 635	280 × 950 × 635	280 × 1,370 × 740	280 × 1,370 × 740	280 × 1,370 × 740
Net weight		kg	34	34	54	54	54
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 2	Centrifugal fan × 2	Centrifugal fan × 3	Centrifugal fan × 3	Centrifugal fan × 3
Motor		W	130	130	100 + 130	100 + 200	100 + 200
Starting method			Direct line start	Direct line start	Direct line start	Direct line start	Direct line start
Air flow (Standard)		CMM	P-Hi : 24 Hi : 19 Me : 15 Lo : 10	P-Hi : 24 Hi : 19 Me : 15 Lo : 10	P-Hi : 36 Hi : 28 Me : 25 Lo : 19	P-Hi : 39 Hi : 32 Me : 26 Lo : 20	P-Hi : 48 Hi : 35 Me : 28 Lo : 22
External static pressure		Pa	100 (at 24 CMM)	100 (at 24 CMM)	100 (at 36 CMM)	100 (at 39 CMM)	100 (at 48 CMM)
Outside air intake			Possible	Possible	Possible	Possible	Possible
Air filter, Q'ty			Procure locally	Procure locally	Procure locally	Procure locally	Procure locally
Shock & vibration absorber			Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option : RC-E5, RC-EX1A	Remote control switch Option : RC-E5, RC-EX1A	Remote control switch Option : RC-E5, RC-EX1A	Remote control switch Option : RC-E5, RC-EX1A	Remote control switch Option : RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line : ϕ 9.52 (3/8") Gas line : ϕ 15.88 (5/8")	Liquid line : ϕ 9.52 (3/8") Gas line : ϕ 15.88 (5/8")	Liquid line : ϕ 9.52 (3/8") Gas line : ϕ 15.88 (5/8")	Liquid line : ϕ 9.52 (3/8") Gas line : ϕ 15.88 (5/8")	Liquid line : ϕ 9.52 (3/8") Gas line : ϕ 15.88 (5/8")
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with VP20 (Standard) or VP25 (used with attached socket)	Connectable with VP20 (Standard) or VP25 (used with attached socket)	Connectable with VP20 (Standard) or VP25 (used with attached socket)	Connectable with VP20 (Standard) or VP25 (used with attached socket)	Connectable with VP20 (Standard) or VP25 (used with attached socket)
Insulation for piping			Necessary (both Liquid & Gas line)	Necessary (both Liquid & Gas line)	Necessary (both Liquid & Gas line)	Necessary (both Liquid & Gas line)	Necessary (both Liquid & Gas line)
Accessories			Drain hose	Drain hose	Drain hose	Drain hose	Drain hose

Notes (1) The data are measured at the following conditions.

Adapted to **RoHS** directive

Item	Indoor air temperature		Outdoor air temperature		Standards	External static pressure of indoor unit
Operation	DB	WB	DB	WB		Pa
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1	35 (FDUM71, 90KXE6F) 60 (FDUM112-160KXE6F)
Heating	20˚C		7˚C	6˚C		

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard. ISO-T1 "UNITARY AIR-CONDITIONERS"
(3) Initial static pressure values of optional air filter "UM-FL2EF,3EF" are 5Pa.
(4) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

(h) Duct connected (thin)-Low static pressure type (FDUT)
Models FDUT22KXE6D, 28KXE6D, 36KXE6D

Models			FDUT22KXE6D		FDUT28KXE6D		FDUT36KXE6D	
			Rear air return	Bottom air return	Rear air return	Bottom air return	Rear air return	Bottom air return
Nominal cooling capacity		kW	2.2	2.2	2.8	2.8	3.6	3.6
Nominal heating capacity		kW	2.5	2.5	3.2	3.2	4.0	4.0
Power source			220-240V ~ 50Hz / 220 ~ 60Hz	220-240V ~ 50Hz / 220 ~ 60Hz	220-240V ~ 50Hz / 220 ~ 60Hz	220-240V ~ 50Hz / 220 ~ 60Hz	220-240V ~ 50Hz / 220 ~ 60Hz	220-240V ~ 50Hz / 220 ~ 60Hz
Power consumption	Cool	kW	0.05- 0.06 / 0.06	0.05- 0.06 / 0.06	0.05- 0.06 / 0.06	0.05- 0.06 / 0.06	0.06 - 0.07 / 0.07	0.06 - 0.07 / 0.07
	Heat		0.05- 0.06 / 0.06	0.05- 0.06 / 0.06	0.05- 0.06 / 0.06	0.05- 0.06 / 0.06	0.06 - 0.07 / 0.07	0.06 - 0.07 / 0.07
Running current	Cool	A	0.24 - 0.26 / 0.28	0.24 - 0.26 / 0.28	0.24 - 0.26 / 0.28	0.24 - 0.26 / 0.28	0.28 - 0.31 / 0.33	0.28 - 0.31 / 0.33
	Heat		0.24 - 0.26 / 0.28	0.24 - 0.26 / 0.28	0.24 - 0.26 / 0.28	0.24 - 0.26 / 0.28	0.28 - 0.31 / 0.33	0.28 - 0.31 / 0.33
Sound Pressure Level ①		dB(A)	Hi : 29 Me : 26 Lo : 24	Hi : 39 Me : 36 Lo : 32	Hi : 29 Me : 26 Lo : 24	Hi : 39 Me : 36 Lo : 32	Hi : 33 Me : 31 Lo : 28	Hi : 43 Me : 40 Lo : 37
Sound Pressure Level ②		dB(A)	Hi : 37 Me : 34 Lo : 30	Hi : 38 Me : 35 Lo : 31	Hi : 37 Me : 34 Lo : 30	Hi : 38 Me : 35 Lo : 31	Hi : 39 Me : 35 Lo : 33	Hi : 42 Me : 39 Lo : 36
Exterior dimensions Height x Width x Depth		mm	220 × 750 × 520	220 × 750 × 520	220 × 750 × 520	220 × 750 × 520	220 × 750 × 520	220 × 750 × 520
Net weight		kg	26	26	26	26	26	26
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan ×2	Centrifugal fan ×2	Centrifugal fan ×2	Centrifugal fan ×2	Centrifugal fan ×2	Centrifugal fan ×2
Motor		W	25	25	25	25	25	25
Starting method			Direct line start	Direct line start	Direct line start	Direct line start	Direct line start	Direct line start
Air flow		CMM	Hi : 7.5 Me : 6 Lo : 5	Hi : 7.5 Me : 6 Lo : 5	Hi : 7.5 Me : 6 Lo : 5	Hi : 7.5 Me : 6 Lo : 5	Hi : 8.5 Me : 7 Lo : 6	Hi : 8.5 Me : 7 Lo : 6
External static pressure		Pa	10	10	10	10	10	10
Outdoor air intake			–	–	–	–	–	–
Suction guard(Air filter), Q'ty			Procure locally	Procure locally	Procure locally	Procure locally	Procure locally	Procure locally
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5	Remote control switch Option: RC-E5	Remote control switch Option: RC-E5	Remote control switch Option: RC-E5	Remote control switch Option: RC-E5	Remote control switch Option: RC-E5
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with VP25	Connectable with VP25	Connectable with VP25	Connectable with VP25	Connectable with VP25	Connectable with VP25
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Adapted to **RoHS** directive

Item	Indoor air temperature		Outdoor air temperature		Standards	External static pressure of indoor unit
Operation	DB	WB	DB	WB		Pa
Cooling	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1	10
Heating	20 ℃		7 ℃	6 ℃		

(2) Sound Pressure Level shows the value when the supply duct of 2m and the return duct of 1m (except the Bottom air return) are connected the unit.
(3) This packaged air-conditioner is manufactured and tested in conformity with the following standard. ISO-T1 "UNITARY AIR-CONDITIONERS"
(4)Sound Pressure Level ① : Mike position is 1.5m below the unit, ② : Mike position is 1m in front and 1m below of the air supply duct.
(5)MAX external static pressure is 35Pa by using duct flange plate kit "UT-DAS1E".
(6)Initial static pressure values of optional suction guard(Air filter) "UT-FL1E" are 5Pa.

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Models			FDUT45KXE6D		FDUT56KXE6D	
			Rear air return	Bottom air return	Rear air return	Bottom air return
Nominal cooling capacity		kW	4.5	4.5	5.6	5.6
Nominal heating capacity		kW	5.0	5.0	6.0	6.0
Power source			220-240V ~ 50Hz / 220 ~ 60Hz	220-240V ~ 50Hz / 220 ~ 60Hz	220-240V ~ 50Hz / 220 ~ 60Hz	220-240V ~ 50Hz / 220 ~ 60Hz
Power consumption	Cool	kW	0.08 - 0.09/ 0.10	0.08 - 0.09/ 0.10	0.11 - 0.13/ 0.14	0.11 - 0.13/ 0.14
	Heat		0.08 - 0.09/ 0.10	0.08 - 0.09/ 0.10	0.11 - 0.13/ 0.14	0.11 - 0.13/ 0.14
Running current	Cool	A	0.37- 0.40/ 0.46	0.37- 0.40/ 0.46	0.51- 0.56 / 0.65	0.51- 0.56 / 0.65
	Heat		0.37- 0.40/ 0.46	0.37- 0.40/ 0.46	0.51 - 0.56 / 0.65	0.51 - 0.56 / 0.65
Sound Pressure Level ①		dB(A)	Hi : 35 Me : 32 Lo : 28	Hi : 44 Me : 41 Lo : 36	Hi : 36 Me : 34 Lo : 31	Hi : 48 Me : 45 Lo : 43
Sound Pressure Level ②		dB(A)	Hi : 42 Me : 38 Lo : 34	Hi : 43 Me : 40 Lo : 35	Hi : 44 Me : 40 Lo : 37	Hi : 46 Me : 42 Lo : 40
Exterior dimensions Height x Width x Depth		mm	220 × 950 × 520	220 × 950 × 520	220 × 950 × 520	220 × 950 × 520
Net weight		kg	28	28	28	28
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan ×2	Centrifugal fan ×2	Centrifugal fan ×2	Centrifugal fan ×2
Motor		W	45	45	45	45
Starting method			Direct line start	Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	Hi : 12 Me : 10 Lo : 8	Hi : 12 Me : 10 Lo : 8	Hi : 12.5 Me : 10 Lo : 8.5	Hi : 12.5 Me : 10 Lo : 8.5
External static pressure		Pa	10	10	10	10
Outdoor air intake			–	–	–	–
Suction guard(Air filter), Q'ty			Procure locally	Procure locally	Procure locally	Procure locally
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5	Remote control switch Option: RC-E5	Remote control switch Option: RC-E5	Remote control switch Option: RC-E5
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A
Drain pump			Built-in Drain pump	Built-in Drain pump	Built-in Drain pump	Built-in Drain pump
Drain hose			Connectable with VP25	Connectable with VP25	Connectable with VP25	Connectable with VP25
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Adapted to **RoHS** directive

Item	Indoor air temperature		Outdoor air temperature		Standards	External static pressure of indoor unit
Operation	DB	WB	DB	WB		Pa
Cooling	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1	10
Heating	20 ℃		7 ℃	6 ℃		

(2) Sound Pressure Level shows the value when the supply duct of 2m and the return duct of 1m (except the Bottom air return) are connected the unit.
(3) This packaged air-conditioner is manufactured and tested in conformity with the following standard. ISO-T1 "UNITARY AIR-CONDITIONERS"
(4)Sound Pressure Level ① : Mike position is 1.5m below the unit, ② : Mike position is 1m in front and 1m below of the air supply duct.
(5)MAX external static pressure is 50Pa by using duct flange plate kit "UT-DAS2E".
(6)Initial static pressure values of optional suction guard(Air filter) "UT-FL2E" are 5Pa.

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(i) Duct connected-Compact and Flexible type (FDUH)
Models FDUH22KXE6F, 28KXE6F, 36KXE6F

Models			FDUH22KXE6F	FDUH28KXE6F	FDUH36KXE6F
Nominal cooling capacity		kW	2.2	2.8	3.6
Nominal heating capacity		kW	2.5	3.2	4.0
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07
	Heat	kW	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07	0.05 - 0.07 / 0.07
Running current	Cool	A	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35
	Heat	A	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35	0.25 - 0.32 / 0.35
Sound Pressure Level		dB(A)	P-Hi : 39 Hi : 33 Me : 30 Lo : 27	P-Hi : 39 Hi : 33 Me : 30 Lo : 27	P-Hi : 39 Hi : 33 Me : 30 Lo : 27
Exterior dimensions Height x Width x Depth		mm	257 × 570 × 530	257 × 570 × 530	257 × 570 × 530
Net weight		kg	22	22	22
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 1	Centrifugal fan × 1	Centrifugal fan × 1
Motor		W	30	30	30
Starting method			Direct line start	Direct line start	Direct line start
Air flow		CMM	P-Hi : 8.5 Hi : 7 Me : 6.5 Lo : 6	P-Hi : 8.5 Hi : 7 Me : 6.5 Lo : 6	P-Hi : 8.5 Hi : 7 Me : 6.5 Lo : 6
External static pressure		Pa	30	30	30
Outdoor air intake			Not possible	Not possible	Not possible
Air filter, Q'ty			Procure locally	Procure locally	Procure locally
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)
Connecting method			Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A
Drain hose			Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Standard Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions. Adapted to **RoHS** directive

Item	Indoor air temperature		Outdoor air temperature		Standards	External static pressure of indoor unit
Operation	DB	WB	DB	WB		Pa
Cooling	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1	30
Heating	20 ℃		7 ℃	6 ℃		

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard. ISO-T1 "UNITARY AIR-CONDITIONERS

(3) As for "Exterior dimensions" of <Bottom suction setting>, refer to "PJC001Z292".

(4)Initial static pressure values of optional air filter "UH-FL1E" are 5Pa.

(5)When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

(j) Wall mounted type (FDK)
Models FDK22KXE6F, 28KXE6F, 36KXE6F

Models			FDK22KXE6F	FDK28KXE6F	FDK36KXE6F
Nominal cooling capacity*1		kW	2.2	2.8	3.6
Nominal heating capacity*2		kW	2.5	3.2	4.0
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.05	0.05	0.05
	Heat	kW	0.04	0.04	0.04
Running current	Cool	A	0.23 - 0.21 / 0.23	0.23 - 0.21 / 0.23	0.23 - 0.21 / 0.23
	Heat	A	0.23 - 0.21 / 0.23	0.23 - 0.21 / 0.23	0.23 - 0.21 / 0.23
Sound Pressure Level	Cool	dB(A)	P-Hi : 38 Hi : 35 Me : 33 Lo : 31	P-Hi : 38 Hi : 35 Me : 33 Lo : 31	P-Hi : 48 Hi : 41 Me : 35 Lo : 31
	Heat	dB(A)	P-Hi : 38 Hi : 35 Me : 33 Lo : 31	P-Hi : 38 Hi : 35 Me : 33 Lo : 31	P-Hi : 42 Hi : 39 Me : 35 Lo : 31
Exterior dimensions Height x Width x Depth		mm	298 × 840 × 259	298 × 840 × 259	298 × 840 × 259
Exterior appearance (Munsell color)			Cool White (9.3G8.7/0.1) near equivalent	Cool White (9.3G8.7/0.1) near equivalent	Cool White (9.3G8.7/0.1) near equivalent
Net weight		kg	12	12	12
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Tangential fan × 1	Tangential fan × 1	Tangential fan × 1
Motor		W	33	33	33
Starting method			Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 11 Hi : 8 Me : 7 Lo : 6	P-Hi : 11 Hi : 8 Me : 7 Lo : 6	P-Hi : 15 Hi : 10 Me : 9 Lo : 7
External static pressure		Pa	0	0	0
Outdoor air intake			Not possible	Not possible	Not possible
Air filter, Q'ty			Polypropylene net × 2 (Washable)	Polypropylene net × 2 (Washable)	Polypropylene net × 2 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")
Connecting method			Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A
Drain hose			Connectable with V P 1 6	Connectable with V P 1 6	Connectable with V P 1 6
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Standard Accessories			Mounting kit	Mounting kit	Mounting kit

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	ISO-T1

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3)When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

Adapted to **RoHS** directive

Models FDK45KXE6F, 56KXE6F, 71KXE6F

Models			FDK45KXE6F	FDK56KXE6F	FDK71KXE6F
Nominal cooling capacity*1		kW	4.5	5.6	7.1
Nominal heating capacity*2		kW	5.0	6.3	8.0
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.05	0.05	0.09
	Heat		0.05	0.05	0.09
Running current	Cool	A	0.23 - 0.21 / 0.23	0.23 - 0.21 / 0.23	0.41 - 0.48 / 0.41
	Heat		0.23 - 0.21 / 0.23	0.23 - 0.21 / 0.23	0.41 - 0.48 / 0.41
Sound Pressure Level	Cool	dB(A)	P-Hi : 48 Hi : 42 Me : 37 Lo : 33	P-Hi : 48 Hi : 46 Me : 42 Lo : 37	P-Hi : 48 Hi : 47 Me : 43 Lo : 39
	Heat		P-Hi : 43 Hi : 42 Me : 37 Lo : 33	P-Hi : 47 Hi : 46 Me : 42 Lo : 37	P-Hi : 48 Hi : 47 Me : 43 Lo : 39
Exterior dimensions Height x Width x Depth		mm	298 × 840 × 259	298 × 840 × 259	318 × 1,098 × 248
Exterior appearance (Munsell color)			Cool White (9.3G8.7/0.1) near equivalent	Cool White (9.3G8.7/0.1) near equivalent	Cool White (9.3G8.7/0.1) near equivalent
Net weight		kg	12.5	13	15.5
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Tangential fan × 1	Tangential fan × 1	Tangential fan × 1
Motor		W	33	33	45
Starting method			Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 15 Hi : 11 Me : 9 Lo : 7	P-Hi : 16 Hi : 14 Me : 12 Lo : 10	P-Hi : 24 Hi : 21 Me : 18 Lo : 15
External static pressure		Pa	0	0	0
Outdoor air intake			Not possible	Not possible	Not possible
Air filter, Q'ty			Polypropylene net × 2 (Washable)	Polypropylene net × 2 (Washable)	Polypropylene net × 2 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat	Overload protection for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")	Liquid line: ϕ9.52 (3/8") Gas line: ϕ15.88 (5/8")
Connecting method			Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A
Drain hose			Connectable with V P 1 6	Connectable with V P 1 6	Connectable with V P 1 6
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Standard Accessories			Mounting kit	Mounting kit	Mounting kit

Adapted to **RoHS** directive

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3)When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

(k) Ceiling suspended type (FDE)

Models FDE36KXE6F, 45KXE6F, 56KXE6F, 71KXE6F

Models			FDE36KXE6F	FDE45KXE6F	FDE56KXE6F	FDE71KXE6F
Nominal cooling capacity*1		kW	3.6	4.5	5.6	7.1
Nominal heating capacity*2		kW	4.0	5.0	6.3	8.0
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.05 - 0.06 / 0.06	0.05 - 0.06 / 0.06	0.05 - 0.06 / 0.06	0.10 - 0.11 / 0.11
	Heat	kW	0.05 - 0.06 / 0.06	0.05 - 0.06 / 0.06	0.05 - 0.06 / 0.06	0.09 - 0.10 / 0.10
Running current	Cool	A	0.25 - 0.26 / 0.29	0.25 - 0.26 / 0.29	0.25 - 0.26 / 0.29	0.46 - 0.48 / 0.50
	Heat	A	0.23 - 0.25 / 0.28	0.23 - 0.25 / 0.28	0.23 - 0.25 / 0.28	0.42 - 0.44 / 0.46
Sound Pressure Level		dB(A)	P-Hi : 46 Hi : 39 Me : 38 Lo : 36	P-Hi : 46 Hi : 39 Me : 38 Lo : 36	P-Hi : 46 Hi : 39 Me : 38 Lo : 36	P-Hi : 50 Hi : 41 Me : 39 Lo : 37
Exterior dimensions Height x Width x Depth		mm	210 × 1,070 × 690	210 × 1,070 × 690	210 × 1,070 × 690	210 × 1,320 × 690
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	28	28	28	37
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 2	Centrifugal fan × 2	Centrifugal fan × 2	Centrifugal fan × 4
Motor		W	25	25	25	20 ×2
Starting method			Direct line start	Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 11 Hi : 10 Me : 9 Lo : 7	P-Hi : 11 Hi : 10 Me : 9 Lo : 7	P-Hi : 11 Hi : 10 Me : 9 Lo : 7	P-Hi : 18 Hi : 16 Me : 14 Lo : 12
External static pressure		Pa	0	0	0	0
Outdoor air intake			Not possible	Not possible	Not possible	Not possible
Air filter, Q'ty			Pocket plastic net × 2 (Washable)	Pocket plastic net × 2 (Washable)	Pocket plastic net × 2 (Washable)	Pocket plastic net × 2 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")	Liquid line: ϕ9.52 (3/8") Gas line: ϕ15.88 (5/8")
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A
Drain hose			Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

Adapted to **RoHS** directive

Models			FDE112KXE6F	FDE140KXE6F
Nominal cooling capacity*1		kW	11.2	14.0
Nominal heating capacity*2		kW	12.5	16.0
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.14 - 0.16 / 0.16	0.16 - 0.18 / 0.20
	Heat		0.13 - 0.15 / 0.15	0.15 - 0.17 / 0.18
Running current	Cool	A	0.65 - 0.67 / 0.77	0.77 - 0.78 / 0.91
	Heat		0.59 - 0.63 / 0.70	0.70 - 0.72 / 0.83
Sound Pressure Level		dB(A)	P-Hi : 46 Hi : 44 Me : 41 Lo : 39	P-Hi : 50 Hi : 46 Me : 44 Lo : 43
Exterior dimensions Height x Width x Depth		mm	250 × 1,620 × 690	250 × 1,620 × 690
Exterior appearance (Munsell color)			Plaster White (6.8Y8.9/0.2) near equivalent	Plaster White (6.8Y8.9/0.2) near equivalent
Net weight		kg	49	49
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 4	Centrifugal fan × 4
Motor		W	30 ×2	40 ×2
Starting method			Direct line start	Direct line start
Air flow(Standard)		CMM	P-Hi : 28 Hi : 26 Me : 23 Lo : 21	P-Hi : 32 Hi : 29 Me : 26 Lo : 23
External static pressure		Pa	0	0
Outdoor air intake			Not possible	Not possible
Air filter, Q'ty			Pocket plastic net × 2 (Washable)	Pocket plastic net × 2 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)
Connecting method			Flare piping	Flare piping
Refrigerant			R410A	R410A
Drain hose			Connectable with V P 2 0	Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

(3) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

Adapted to **RoHS** directive

(I) Floor standing-2 way type (FDFW)
Models FDFW28KXE6F, 45KXE6F, 56KXE6F

Models			FDFW28KXE6F	FDFW45KXE6F	FDFW56KXE6F
Nominal cooling capacity*1		kW	2.8	4.5	5.6
Nominal heating capacity*2		kW	3.2	5.0	6.3
Power source			220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz	220-240V ~ 50Hz / 220V ~ 60Hz
Power consumption	Cool	kW	0.02 - 0.02 / 0.02	0.02 - 0.02 / 0.02	0.03 - 0.03 / 0.03
	Heat		0.02 - 0.02 / 0.02	0.02 - 0.02 / 0.02	0.03 - 0.03 / 0.03
Running current	Cool	A	0.10 - 0.09 / 0.10	0.10 - 0.09 / 0.10	0.15 - 0.14 / 0.15
	Heat		0.10 - 0.09 / 0.10	0.10 - 0.09 / 0.10	0.15 - 0.14 / 0.15
Sound Pressure Level		dB(A)	Hi : 36 Me : 34 Lo : 30	Hi : 38 Me : 36 Lo : 33	Hi : 44 Me : 37 Lo : 33
Exterior dimensions Height x Width x Depth		mm	600 × 860 × 238	600 × 860 × 238	600 × 860 × 238
Exterior appearance (Munsell color)			Fine Snow (8.0Y9.3/0.1) near equivalent	Fine Snow (8.0Y9.3/0.1) near equivalent	Fine Snow (8.0Y9.3/0.1) near equivalent
Net weight		kg	19	20	20
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Turbo fan × 1	Turbo fan × 1	Turbo fan × 1
Motor		W	40	40	40
Starting method			Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	Hi : 9 Me : 8 Lo : 7	Hi : 9 Me : 8 Lo : 7	Hi : 11 Me : 9 Lo : 8
External static pressure		Pa	0	0	0
Outdoor air intake			Not possible	Not possible	Not possible
Air filter, Q'ty			Polypropylene net × 1 (Washable)	Polypropylene net × 1 (Washable)	Polypropylene net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")
Connecting method			Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A
Drain hose			Connectable with V P 1 6 (I.D. 16.0)	Connectable with V P 1 6 (I.D. 16.0)	Connectable with V P 1 6 (I.D. 16.0)
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit	Mounting kit	Mounting kit

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

Adapted to **RoHS** directive

(m) Floor standing (with casing) type (FDFL)
Model FDFL71KXE6F

Models			FDFL71KXE6F
Nominal cooling capacity*1		kW	7.1
Nominal heating capacity*2		kW	8.0
Power source			220-240V ~ 50Hz
Power consumption	Cool	kW	0.09 - 0.10
	Heat		0.09 - 0.10
Running current	Cool	A	0.41 - 0.42
	Heat		0.41 - 0.42
Sound Pressure Level		dB(A)	Hi : 43 Me : 41 Lo : 40
Exterior dimensions Height x Width x Depth		mm	630 × 1,481 × 225
Exterior appearance (Munsell color)			Ceramic White (N8.0) near equivalent
Net weight		kg	40
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 2
Motor		W	40
Starting method			Direct line start
Air flow(Standard)		CMM	Hi : 18 Me : 15 Lo : 12
External static pressure		Pa	0
Outdoor air intake			Not possible
Air filter, Q'ty			Polypropylene net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)
Connecting method			Flare piping
Refrigerant			R410A
Drain hose			Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

Adapted to **RoHS** directive

PGD000Z097

(n) Floor standing (without casing) type (FDFU)
Models FDFU28KXE6F, 45KXE6F, 56KXE6F, 71KXE6F

Models			FDFU28KXE6F	FDFU45KXE6F	FDFU56KXE6F	FDFU71KXE6F
Nominal cooling capacity*1		kW	2.8	4.5	5.6	7.1
Nominal heating capacity*2		kW	3.2	5.0	6.3	8.0
Power source			220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz
Power consumption	Cool	kW	0.09 - 0.10	0.09 - 0.10	0.09 - 0.10	0.09 - 0.10
	Heat		0.09 - 0.10	0.09 - 0.10	0.09 - 0.10	0.09 - 0.10
Running current	Cool	A	0.41 - 0.42	0.41 - 0.42	0.41 - 0.42	0.41 - 0.42
	Heat		0.41 - 0.42	0.41 - 0.42	0.41 - 0.42	0.41 - 0.42
Sound Pressure Level		dB(A)	Hi : 41 Me : 38 Lo : 36	Hi : 43 Me : 41 Lo : 40	Hi : 43 Me : 41 Lo : 40	Hi : 43 Me : 41 Lo : 40
Exterior dimensions Height x Width x Depth		mm	630 × 1,077 × 225	630 × 1,077 × 225	630 × 1,077 × 225	630 × 1,362 × 225
Net weight		kg	25	25	25	32
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan × 2	Centrifugal fan × 2	Centrifugal fan × 2	Centrifugal fan × 2
Motor		W	30	40	40	40
Starting method			Direct line start	Direct line start	Direct line start	Direct line start
Air flow(Standard)		CMM	Hi : 12 Me : 11 Lo : 10	Hi : 14 Me : 12 Lo : 10	Hi : 14 Me : 12 Lo : 10	Hi : 18 Me : 15 Lo : 12
External static pressure		Pa	0	0	0	0
Outdoor air intake			Not possible	Not possible	Not possible	Not possible
Air filter, Q'ty			Polypropylene net × 1 (Washable)	Polypropylene net × 1 (Washable)	Polypropylene net × 1 (Washable)	Polypropylene net × 1 (Washable)
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form	Polyurethane form	Polyurethane form	Polyurethane form
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Thermostat by electronics	Thermostat by electronics	Thermostat by electronics	Thermostat by electronics
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ6.35 (1/4″) Gas line: ϕ9.52 (3/8″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ6.35 (1/4″) Gas line: ϕ12.7 (1/2″)	Liquid line: ϕ9.52 (3/8″) Gas line: ϕ15.88 (5/8″)
Connecting method			Flare piping	Flare piping	Flare piping	Flare piping
Refrigerant			R410A	R410A	R410A	R410A
Drain hose			Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0	Connectable with V P 2 0
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose	Mounting kit,Drain hose

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	
Cooling*1	27 ℃	19 ℃	35 ℃	24 ℃	ISO-T1
Heating*2	20 ℃		7 ℃	6 ℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the following standard.
ISO-T1 "UNITARY AIR-CONDITIONERS"

Adapted to **RoHS** directive

PGD000Z098

(o) Outdoor air processing unit (FDU-F)

Models FDU500FKXE6F, 850FKXE6F, 1300FKXE6F, 1800FKXE6F

Models			FDU500FKXE6F	FDU850FKXE6F	FDU1300FKXE6F	FDU1800FKXE6F
Nominal cooling capacity		kW	9.0	14.0	22.4	28.0
Nominal heating capacity		kW	4.2	7.0	10.9	14.8
Power source			220-240V～ 50Hz/220V～ 60Hz	220-240V～ 50Hz/220V～ 60Hz	220-240V～ 50Hz/220V～ 60Hz	220-240V～ 50Hz/220V～ 60Hz
Power consumption	Cool	kW	0.11 / 0.13	0.16 / 0.18	0.27 / 0.32	0.31 / 0.38
	Heat		0.11 / 0.13	0.16 / 0.18	0.27 / 0.32	0.31 / 0.38
Running current	Cool	A	0.60 / 0.70	0.85 / 1.05	1.60 / 1.70	1.70 / 2.00
	Heat		0.60 / 0.70	0.85 / 1.05	1.60 / 1.70	1.70 / 2.00
Sound Pressure Level		dB(A)	38/40	41/43	43/45	46/47
Exterior dimensions Height x Width x Depth		mm	360 × 820 × 830	360 × 1,200 × 830	360 × 1,570 × 830	360 × 1,570 × 830
Net weight		kg	48	62	82	84
Refrigerant equipment Heat exchanger			Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing	Louver fin & inner grooved tubing
Refrigerant control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Air handling equipment Fan type & Q'ty			Centrifugal fan ×1	Centrifugal fan ×1	Centrifugal fan ×2	Centrifugal fan ×2
Motor		W	70	120	130	200
Starting method			Direct line start	Direct line start	Direct line start	Direct line start
Air flow		CMM	8.5 / 8.5	14 / 14.5	22 / 21.5	30 / 30
		CMH	510/510	840/870	1320/1290	1800/1800
External static pressure		Pa	200	200	200	200
Air filter, Q'ty			Installed on site	Installed on site	Installed on site	Installed on site
Shock & vibration absorber			Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)	Rubber sleeve(for fan motor)
Insulation (noise & heat)			Polyurethane form , Glass Wool	Polyurethane form , Glass Wool	Polyurethane form , Glass Wool	Polyurethane form , Glass Wool
Operation control Operation switch			Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A	Remote control switch Option: RC-E5, RC-EX1A
Room temperature control			Not possible	Not possible	Not possible	Not possible
Safety equipment			Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat	Internal thermostat for fan motor Frost protection thermostat
Installation data Refrigerant piping size			Liquid line: ϕ9.52 (3/8") Gas line: ϕ15.88 (5/8")	Liquid line: ϕ9.52 (3/8") Gas line: ϕ15.88 (5/8")	Liquid line: ϕ9.52 (3/8") Gas line: ϕ19.05 (6/8")	Liquid line: ϕ9.52 (3/8") Gas line: ϕ22.22 (7/8")
Connecting method			Flare piping	Flare piping	Brazing	Brazing
Refrigerant			R410A	R410A	R410A	R410A
Drain hose			Connectable with VP25	Connectable with VP25	Connectable with VP25	Connectable with VP25
Insulation for piping			Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)	Necessary(both Liquid & Gas line)
Accessories			Drain hose clamp	Drain hose clamp	Drain hose clamp	Drain hose clamp
Optional parts			Fan controller kit (U-FCRB)	Fan controller kit (U-FCRB)	Fan controller kit (U-FCRB)	Fan controller kit (U-FCRB)
The connection disabled outdoor unit			FDCA140HKXEN4R, 140,160HKXES4R,FDC112,140,155KXEN6, FDC112,140,155KXES6			

NOTE (1)The data are measured at 33℃DB 28℃WB(68%RH) during cooling and 0℃DB-2.9℃WB(50%RH) during heating(no frost).
External static pressure of indoor unit is 100Pa with optional fan controller kit(U-FCRB).
(2)Temperature range of outdoor air must be 20～40℃DB (32℃WB) during cooling and -10～24℃DB during heating.
(3)Operation sound is measured in an anechoic room based on jis standard. In case of actual room installation, it usually becomes larger than the displayed value due to the surrounding noise and echo.
(4)The total connection capacity of the other standard air conditioning units and the outdoor air processing units must be from 50% to100%(the total includes the outdoor air processing unit).
The connection capacity of the outdoor air processing unit must not exceed 30% of the capacity of the outdoor unit.
(5)Single outdoor air processing unit can be used alone. The connection capacity of the outdoor air processing unit must be from 50% to 100% of the total capacity of the outdoor unit.
(6)Single outdoor air processing unit can be used alone. Maximum number of outdoor air processing units that can be connected to the outdoor unit is 2units.
(7)Values of sound pressure level become 5dB(A) upper at external static pressure 200Pa (factory setting).
(8)Values of sir flow are based at external static pressure 200Pa (factory setting).
(9)As the unit is without CCC approval, this unit can only be used together with outdoor unit that is more than 10HP (280) or more in cooling capacity when sold in China.

Adapted to **RoHS** directive

FDU-F Outdoor Air Processing Unit and Connection to KXE6 Allowable combinations

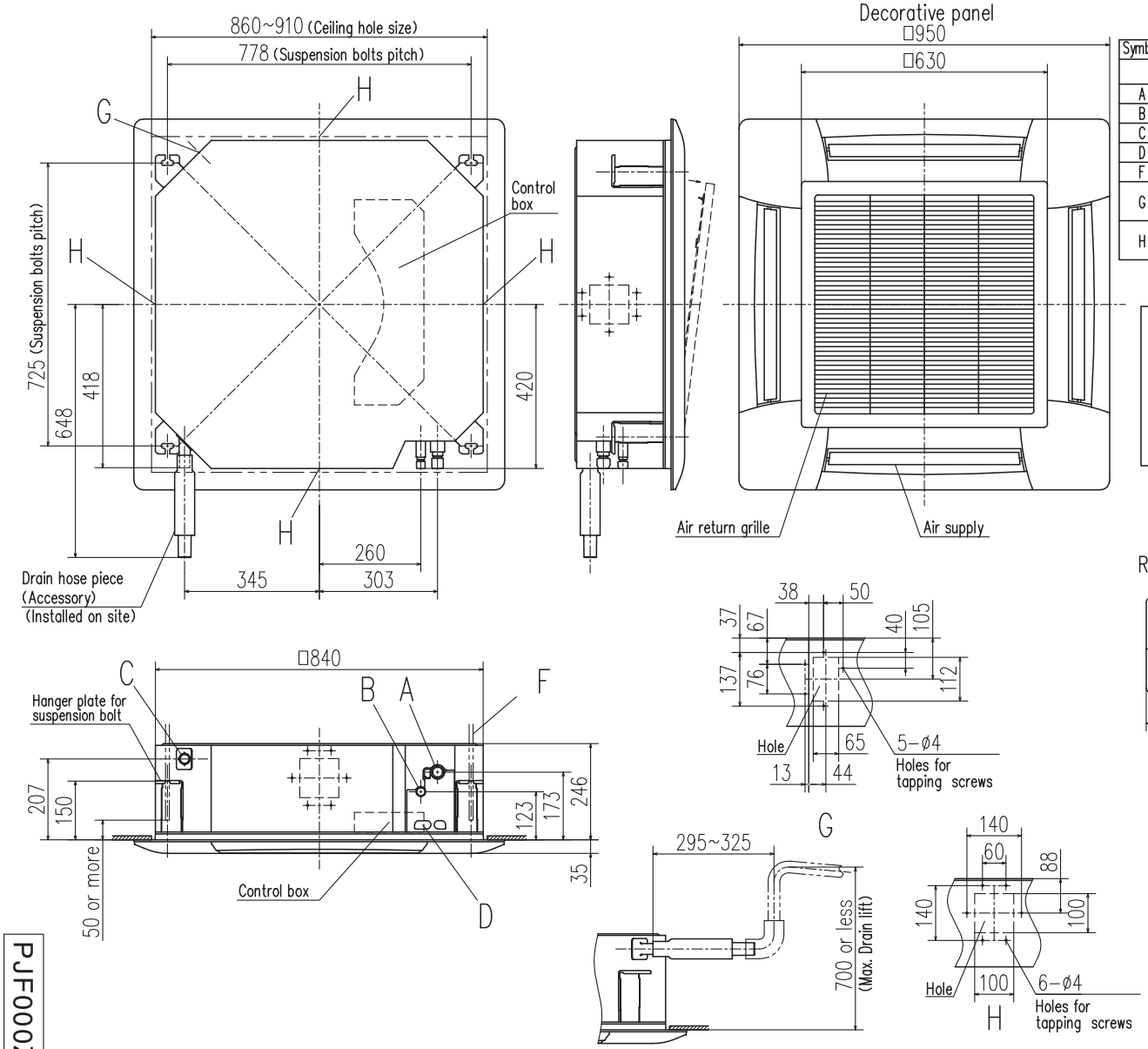
Outdoor unit series				KXE6(4-5.5HP,112-155)	KXE6(8-24HP,224-680)
Connection to FDU-F				NO*2	YES*1
Limitation on connection capacity	In case of FDU-F use only		Capacity ratio*3	NO connection possible	50～100%
			Number of units		2 units or less
	Combination with indoor unit	FDU-F Outdoor air processing unit	Capacity ratio*3	NO connection possible	30% or lower
			Number of units		No limitation
		Indoor unit total capacity (including FDU-F)		NO connection possible	50～100%

*1 Possible (When outdoor temperature is -10℃ or higher)
*2 No connection allowed
*3 FDU-F capacity/outdoor unit capacity ratio
Remarks: When calculating the capacity ratio with the indoor units. FDU-F units will be calculated by the following normal values
FDU500FKXE6F=90, FDU850FKXE6F=140, FDU1300FKXE6F=224, FDU1800FKXE6F=280

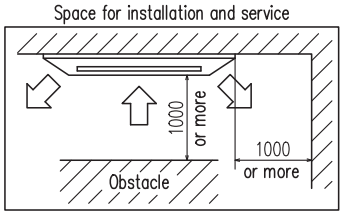
2.2 Exterior dimensions

(a) Ceiling cassette-4 way type (FDT)

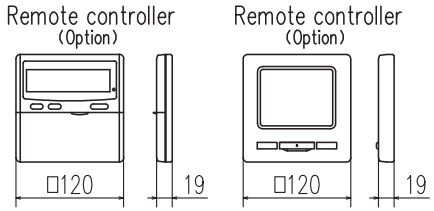
Models FDT28KXE6F, 36DXE6F, 45KXE6F, 56KXE6F, 71KXE6F



Symbol	Content			
	Model	28	36,45,56	71
A	Gas piping	ø9.52 (3/8") (Flare)	ø12.7 (1/2") (Flare)	ø15.88 (5/8") (Flare)
B	Liquid piping	ø6.35 (1/4") (Flare)		ø9.52 (3/8") (Flare)
C	Drain piping	VP25 Note (2)		
D	Hole for wiring			
F	Suspension bolts	(M10 or M8)		
G	Outside air opening for ducting	(Knock out)		
H	Air outlet opening for ducting	(Knock out)		



Make a space of 4000 or more between the units when installing more than one.

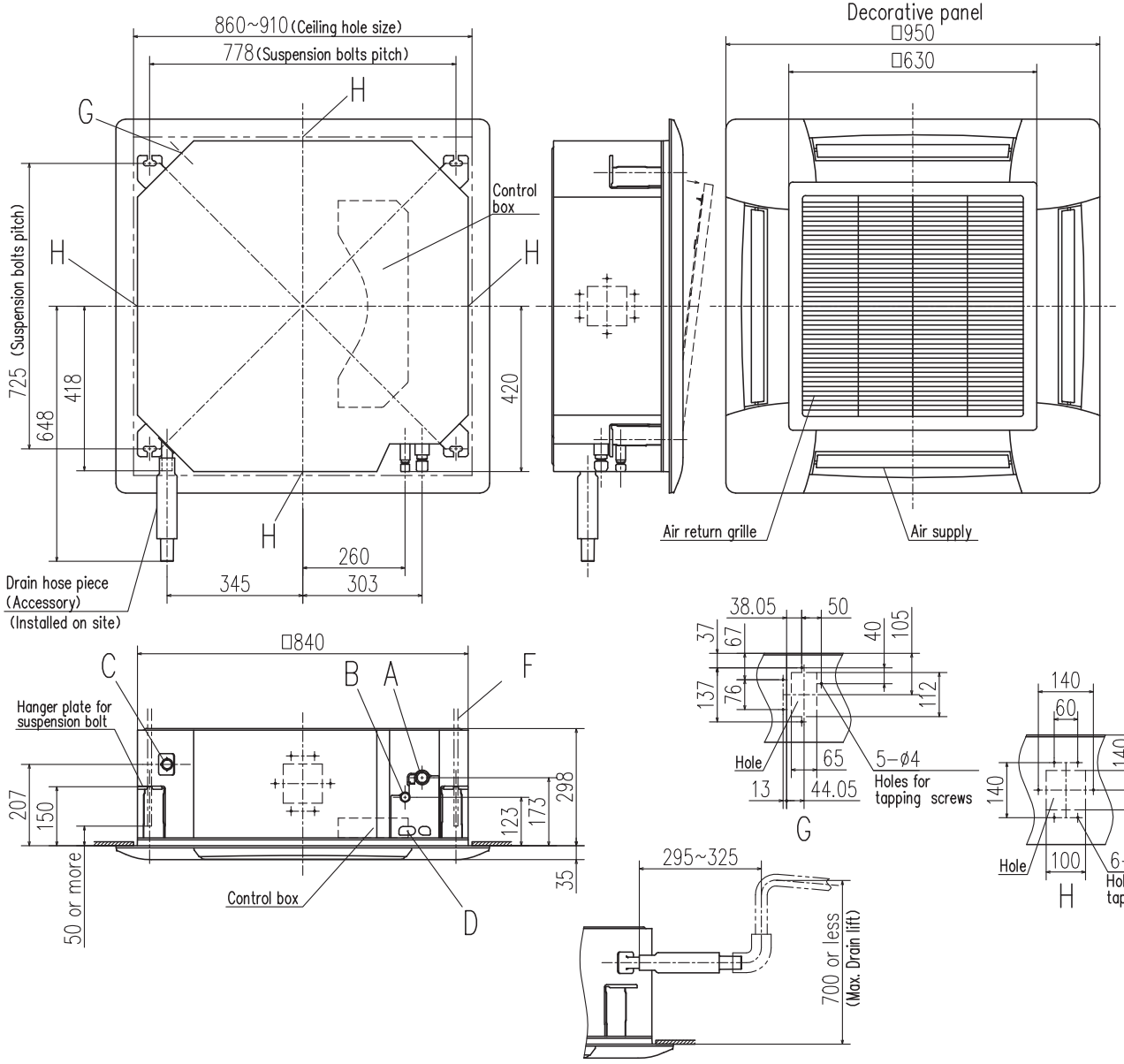


Notes (1) The model name label is attached inside the air return grille.
(2) Prepare the connecting socket (VP25) on site.

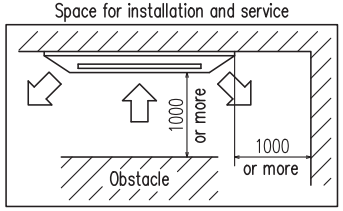
Unit: mm

PJF000Z287

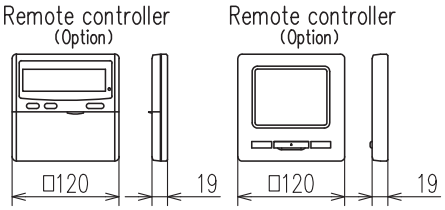
Models FDT90KXE6F, 112KXE6F, 140KXE6F, 160KXE6F



Symbol	Content	
A	Gas piping	φ15.88 (5/8") (Flare)
B	Liquid piping	φ9.52 (3/8") (Flare)
C	Drain piping	VP25 Note (2)
D	Hole for wiring	
F	Suspension bolts	(M10 or M8)
G	Outside air opening for ducting	(Knock out)
H	Air outlet opening for ducting	(Knock out)



Make a space of 5000 or more between the units when installing more than one.



Notes (1) The model name label is attached inside the air return grille.
(2) Prepare the connecting socket (VP25) on site.

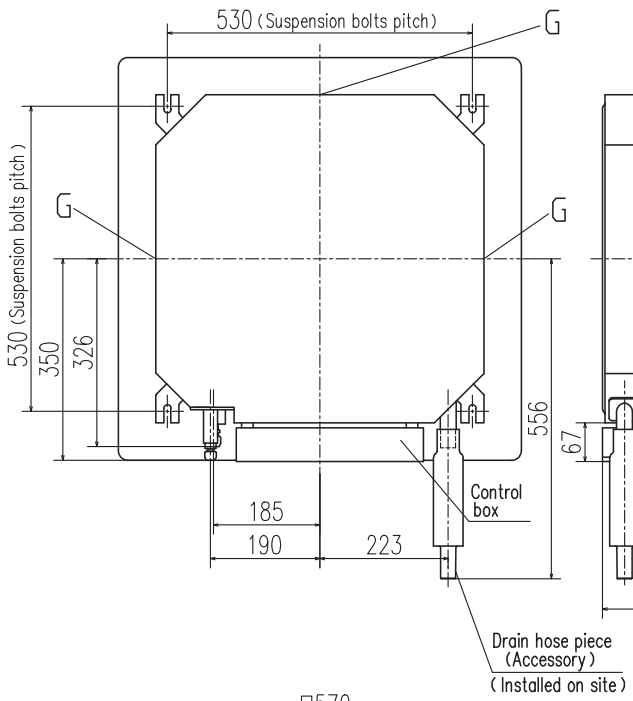
Unit: mm

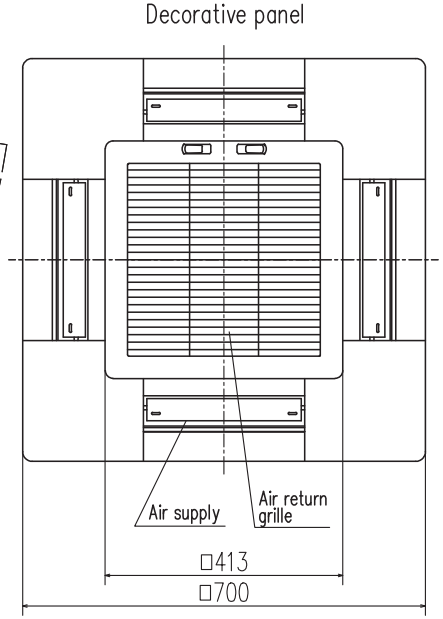
PJF000Z288

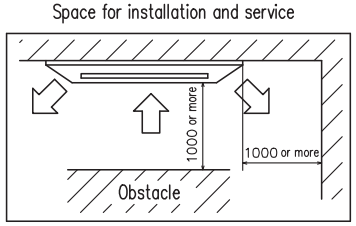
(b) Ceiling cassette-4 way compact type (FDTC)

Models FDTC22KXE6F, 28KXE6F, 36KXE6F, 45KXE6F, 56KXE6F

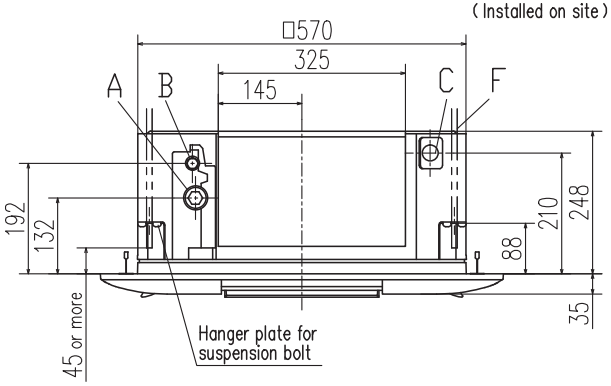
Symbol	Content		
	Model	22,28	36,45,56
A	Gas piping	ϕ9.52 (3/8") (Flare)	ϕ12.7 (1/2") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)	
C	Drain piping	VP20 (I.D.20,O.D.26) Note (2)	
D	Hole for wiring	ϕ25	
F	Suspension bolts	(M10 or M8)	
G	Air outlet opening for ducting	(Knock out)	

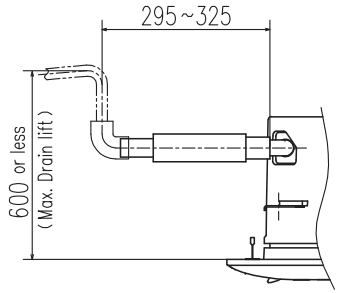


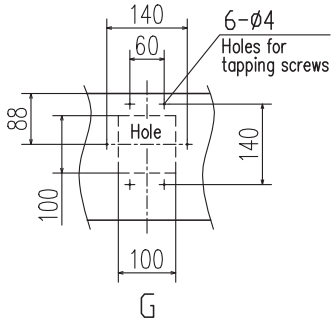




Make a space of 4000 or more between the units when installing more than one.

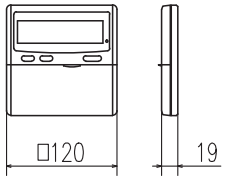




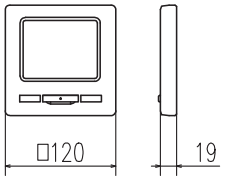


Unit: mm

Remote controller (Option)



Remote controller (Option)

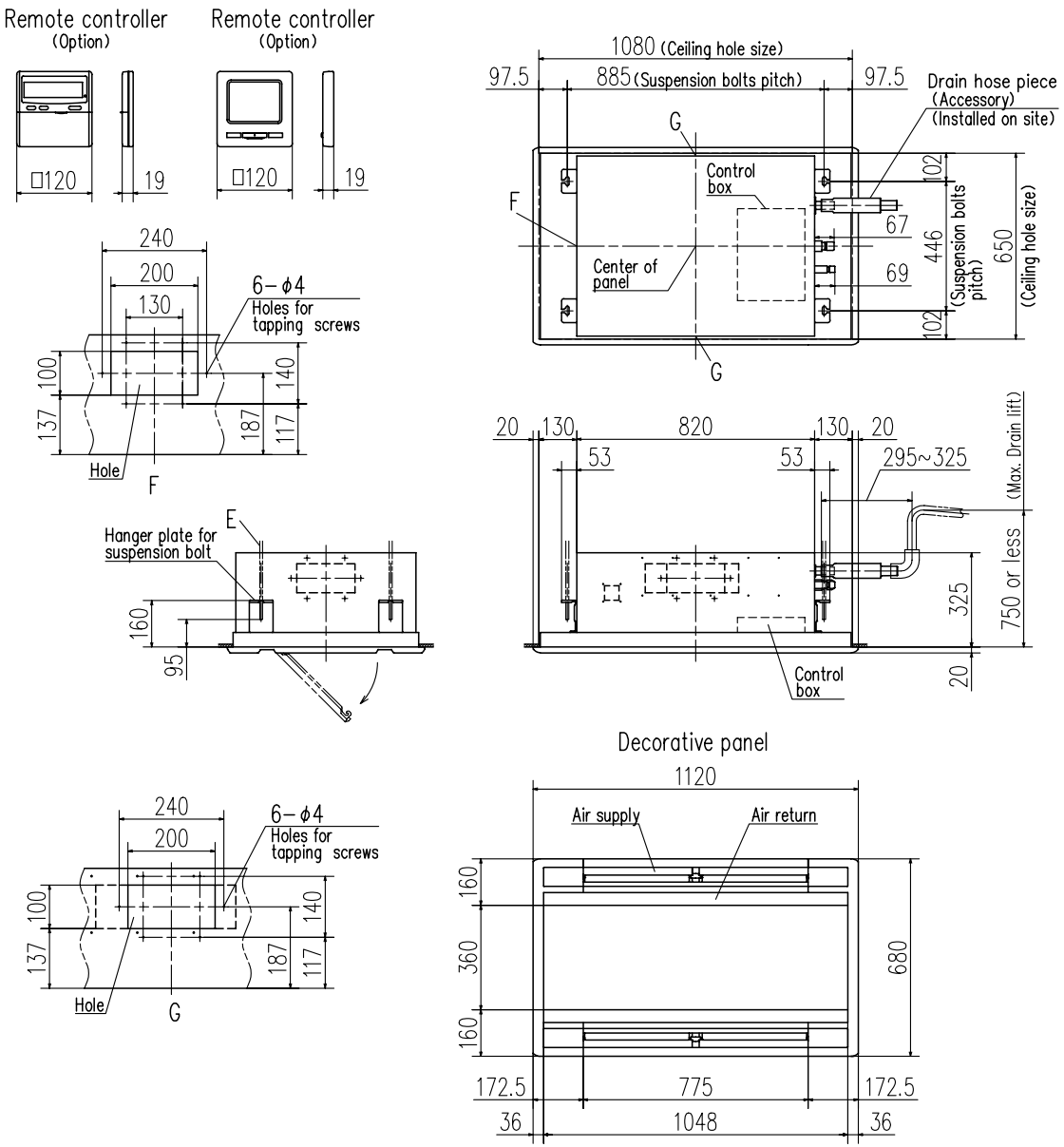


Notes (1) The model name label is attached on the control box lid.
(2) Prepare the connecting socket (VP20) on site.
(3) This unit is designed for 2x2 grid ceiling.
If it is installed on a ceiling other than 2x2 grid ceiling, provide an inspection port on the control box side.

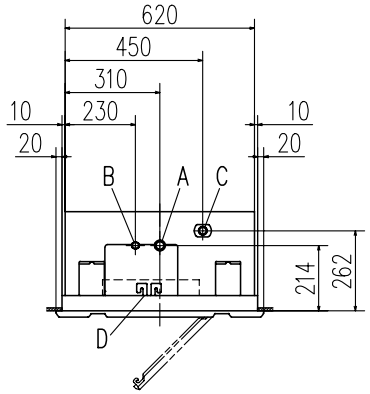
PJA003Z339 B

(c) Ceiling cassette-2 way type (FDTW)

Models FDTW28KXE6F, 45KXE6F, 56KXE6F, 71KXE6F

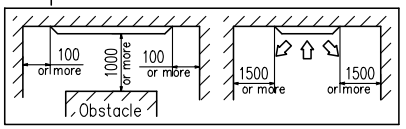


Symbol	Content			
	Model	28	45,56	71
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)	φ15.88 (5/8") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)		φ9.52 (3/8") (Flare)
C	Drain piping	VP25 Note (2)		
D	Hole for wiring			
E	Suspension bolts	(M10)		
F	Outside air opening for ducting	(Knock out)		
G	Air outlet opening for ducting	(Knock out)		



Notes (1) The model name label is attached on the lid of the control box.
(2) Prepare the connecting socket (VP25) on site.

Space for installation and service

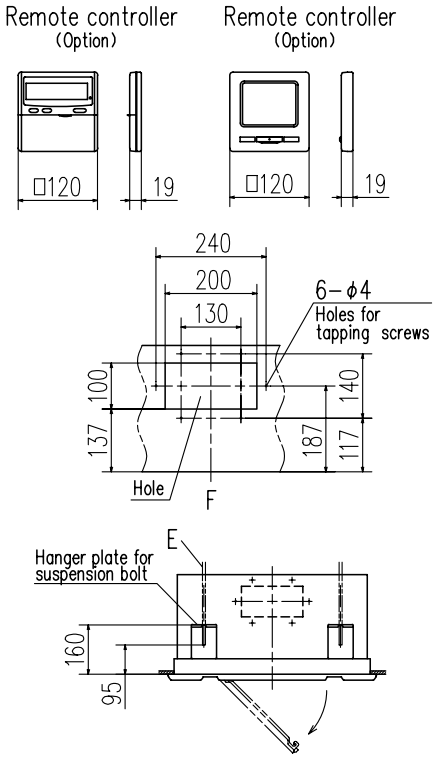


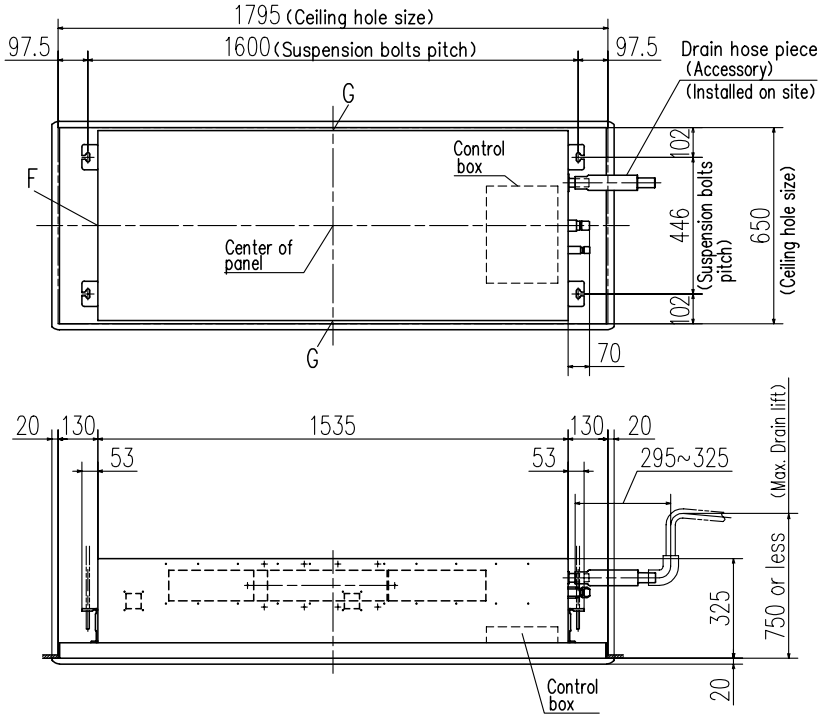
Make a space of 4000 or more between the units when installing more than one.

PJB001Z713 A

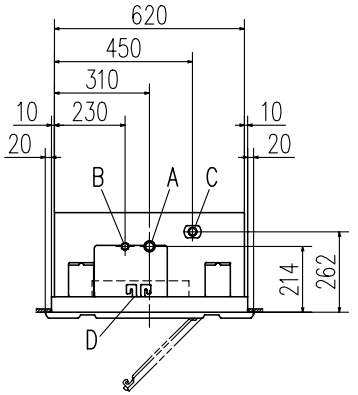
#

Models FDTW90KXE6F, 112KXE6F, 140KXE6F

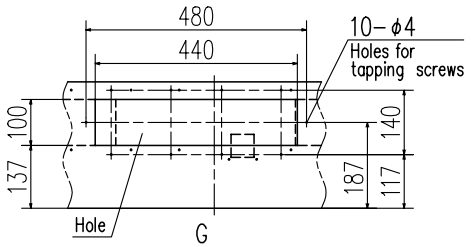




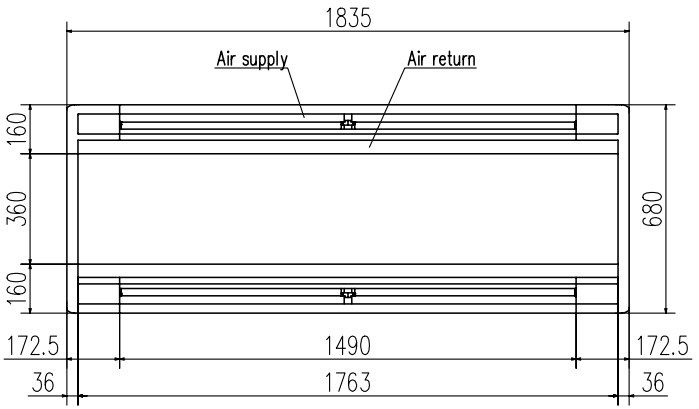
Symbol	Content	
A	Gas piping	φ15.88 (5/8") (Flare)
B	Liquid piping	φ9.52 (3/8") (Flare)
C	Drain piping	VP25 Note (2)
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Outside air opening for ducting	(Knock out)
G	Air outlet opening for ducting	(Knock out)



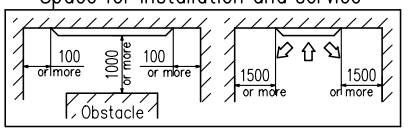
Notes (1) The model name label is attached on the lid of the control box.
(2) Prepare the connecting socket (VP25) on site.



Decorative panel



Space for installation and service



Make a space of 5000 or more between the units when installing more than one.

PJB001Z714 A

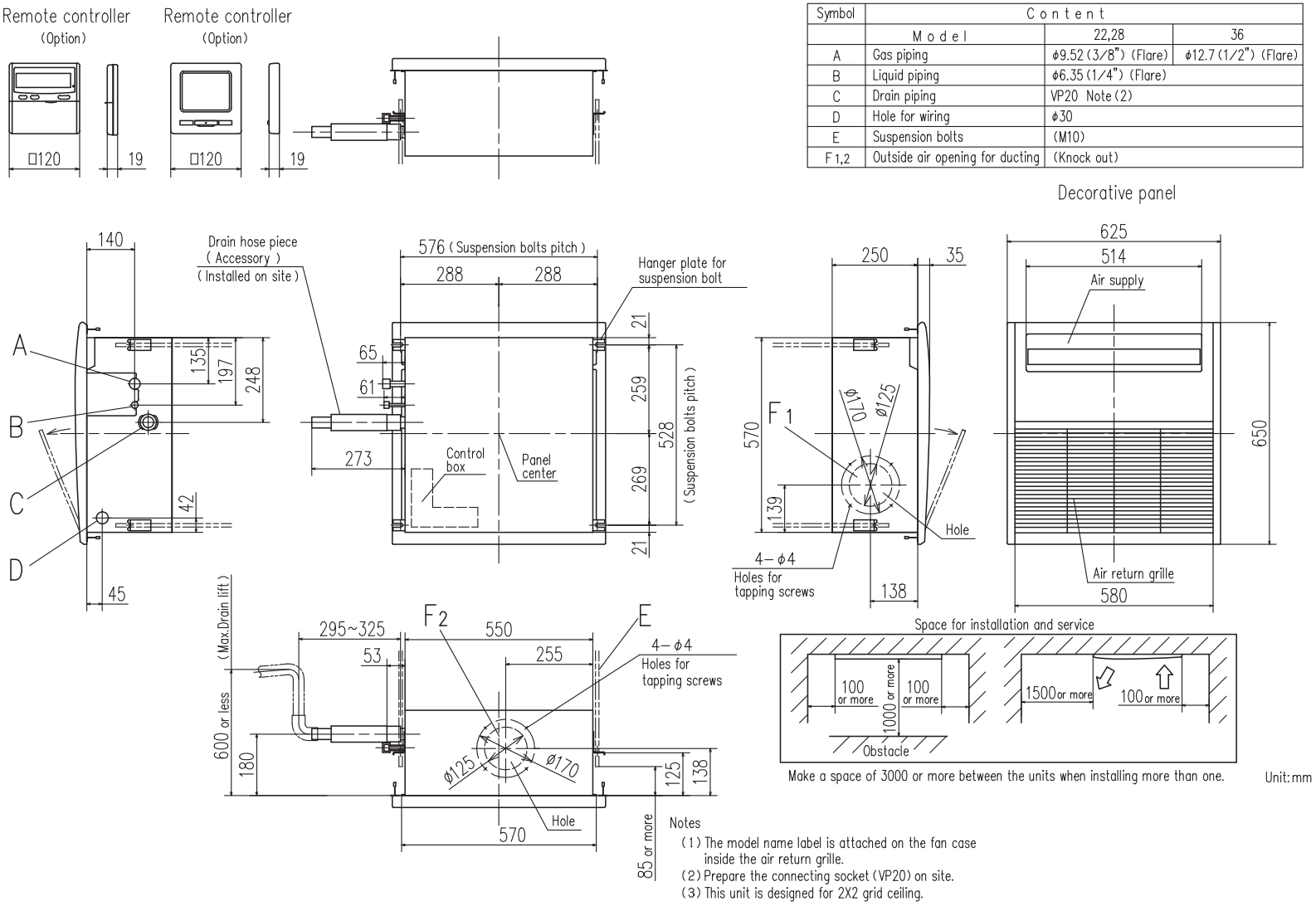
#

(d) Ceiling cassette-1 way compact type (FDTQ)

(1) Direct blow type

Models FDTQ22KXE6F, 28KXE6F, 36KXE6F

Symbol	Content		
	Model	22,28	36
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C	Drain piping	VP20 Note (2)	
D	Hole for wiring	φ30	
E	Suspension bolts	(M10)	
F 1,2	Outside air opening for ducting	(Knock out)	



Direct blow panel (TQ-PSA-15W-E)

Notes

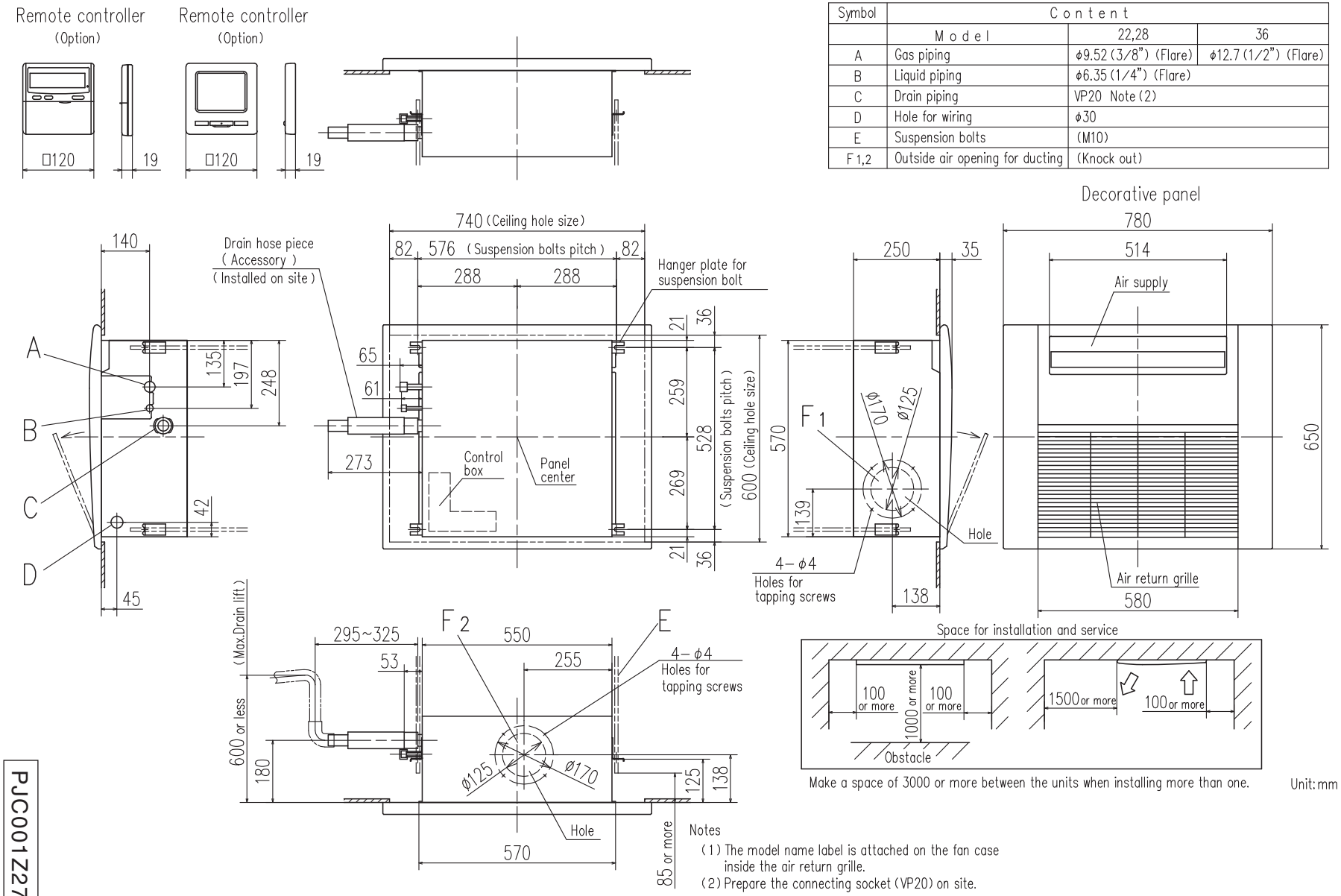
(1) The model name label is attached on the fan case inside the air return grille.
(2) Prepare the connecting socket (VP20) on site.
(3) This unit is designed for 2X2 grid ceiling.

PJC001Z276 A

Models FDTQ22KXE6F, 28KXE6F, 36KXE6F

Direct blow panel (TQ-PSB-15W-E)

Symbol	Content		
	Model	22,28	36
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C	Drain piping	VP20 Note (2)	
D	Hole for wiring	φ30	
E	Suspension bolts	(M10)	
F 1,2	Outside air opening for ducting	(Knock out)	



Notes

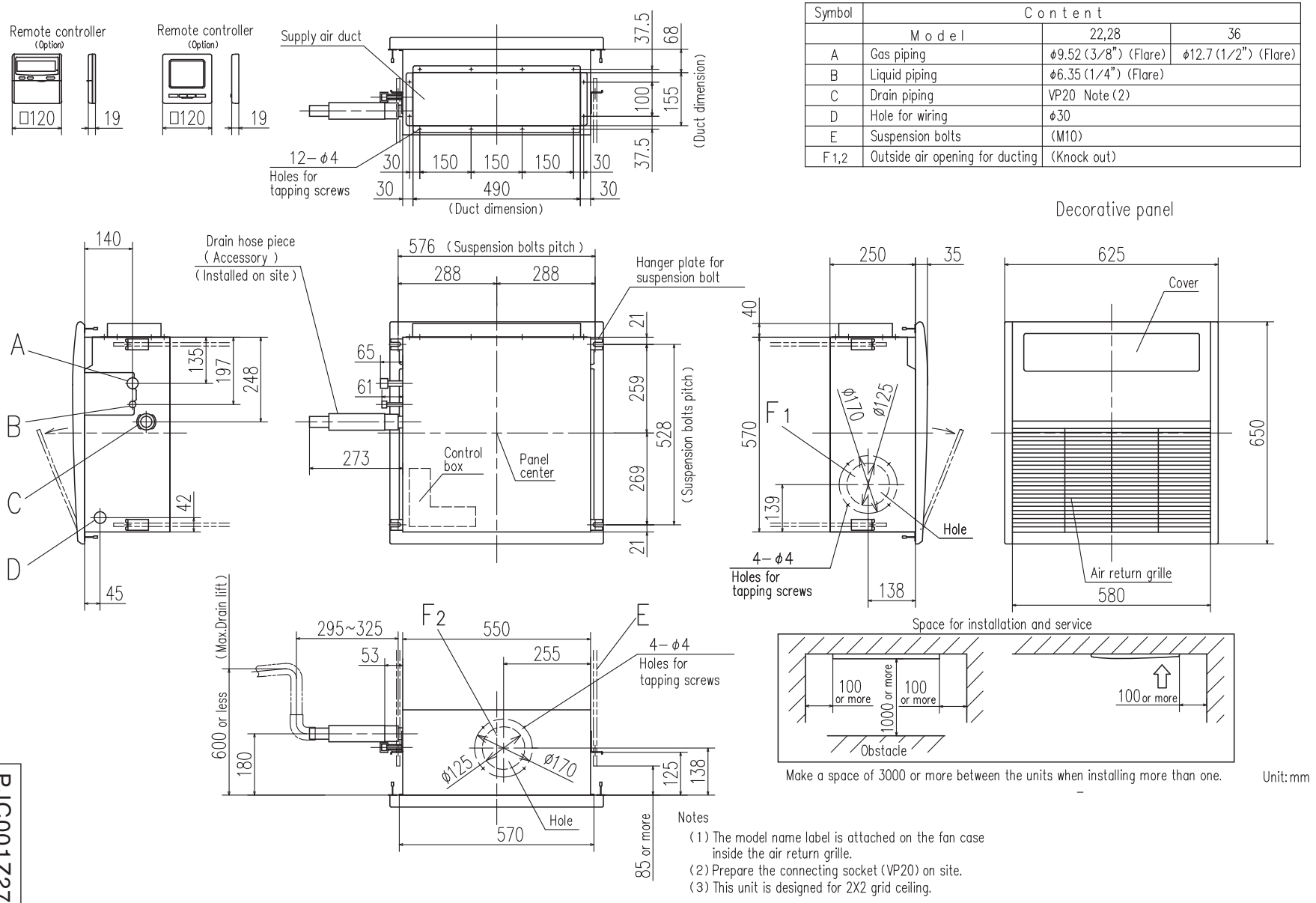
(1) The model name label is attached on the fan case inside the air return grille.

(2) Prepare the connecting socket (VP20) on site.

PJC001Z277 A

(2) Duct type
Models FDTQ22KXE6F, 28KXE6F, 36KXE6F

Symbol	Content		
	Model	22,28	36
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C	Drain piping	VP20 Note (2)	
D	Hole for wiring	φ30	
E	Suspension bolts	(M10)	
F 1,2	Outside air opening for ducting	(Knock out)	



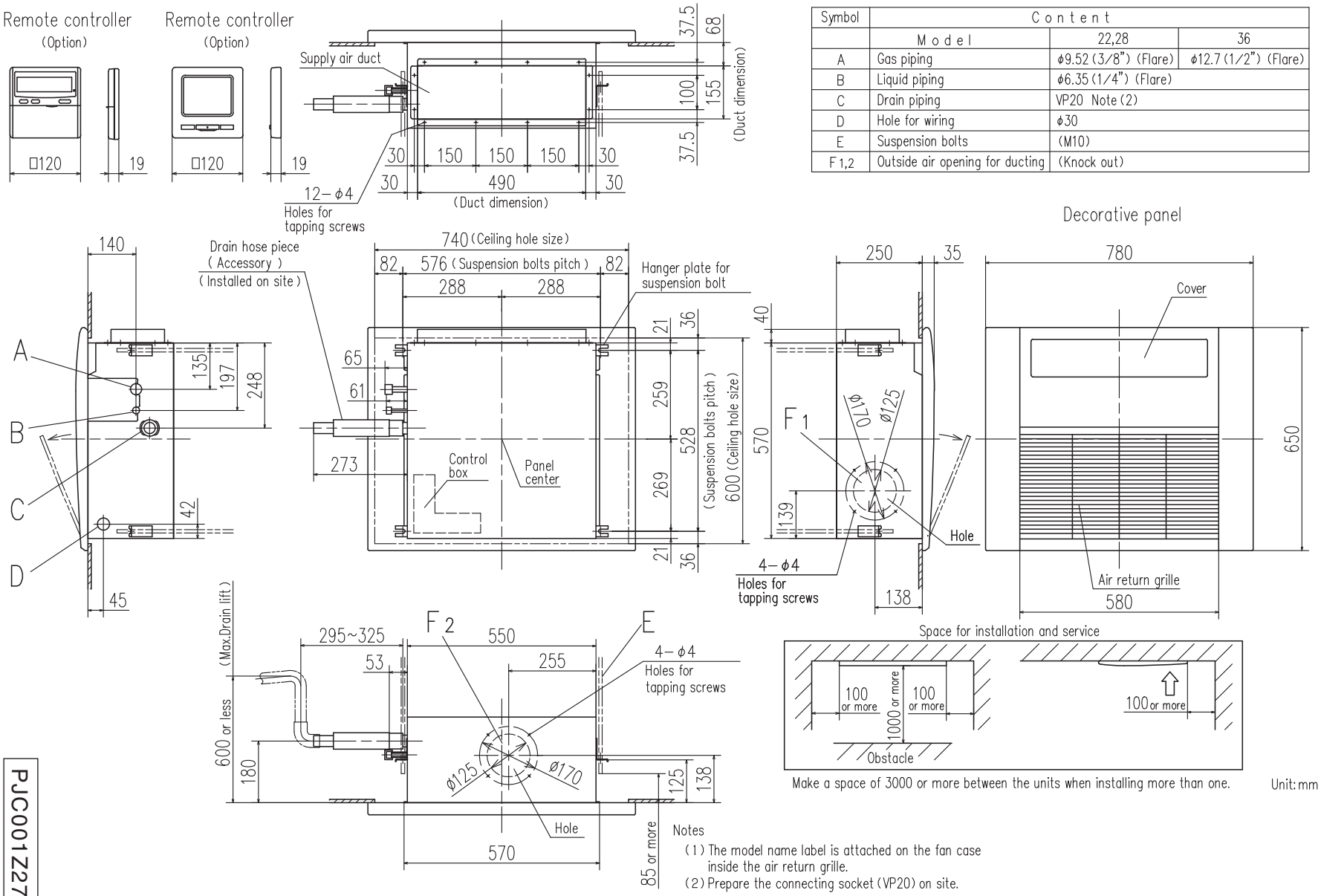
Notes
(1) The model name label is attached on the fan case inside the air return grille.
(2) Prepare the connecting socket (VP20) on site.
(3) This unit is designed for 2X2 grid ceiling.

Duct panel (QR-PNA-14W-ER)

PJC001Z278 A

Models FDTQ22KXE6F, 28KXE6F, 36KXE6F

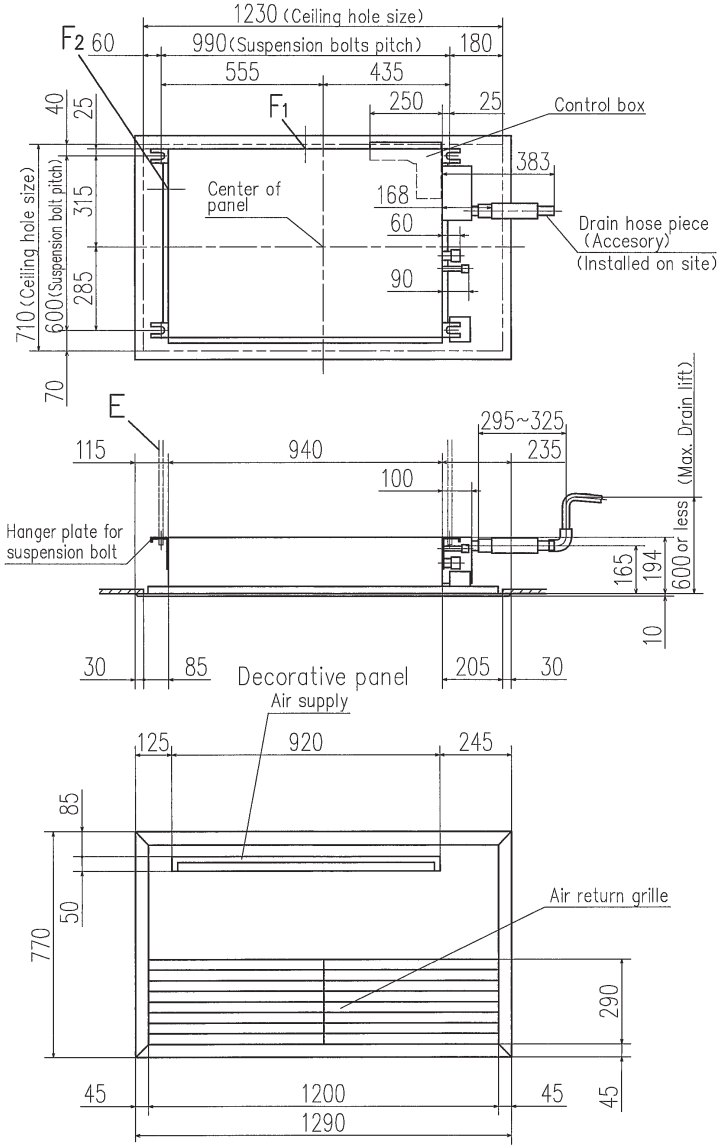
Symbol	Content		
	Model	22,28	36
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C	Drain piping	VP20 Note (2)	
D	Hole for wiring	φ30	
E	Suspension bolts	(M10)	
F 1,2	Outside air opening for ducting	(Knock out)	

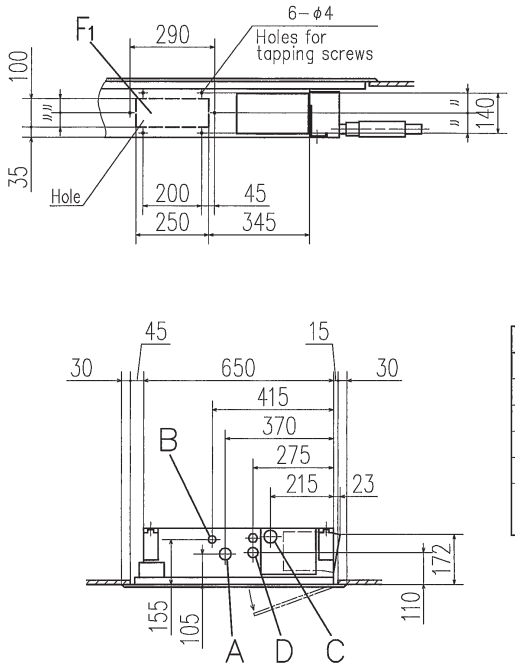


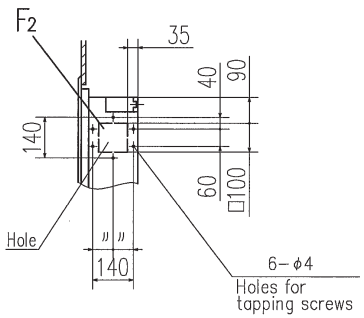
Duct panel (QR-PNB-14W-ER)

PJC001Z279 A

(e) Ceiling cassette-1 way type (FDTS)
Model FDTS45KXE6D

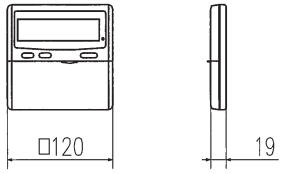






Symbol	Content	
A	Gas piping	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)
C	Drain piping	VP20 Note (2)
D	Hole for wiring	φ35
E	Suspension bolts	(M10)
F1,2	Ducting for outdoor air intake	(Knock out)

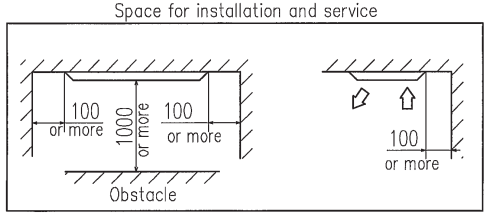
Remote controller
(Option)



Notes (1) The model name label is attached on the fan case inside the air return grille.
(2) Prepare the connecting socket (VP20) on site.

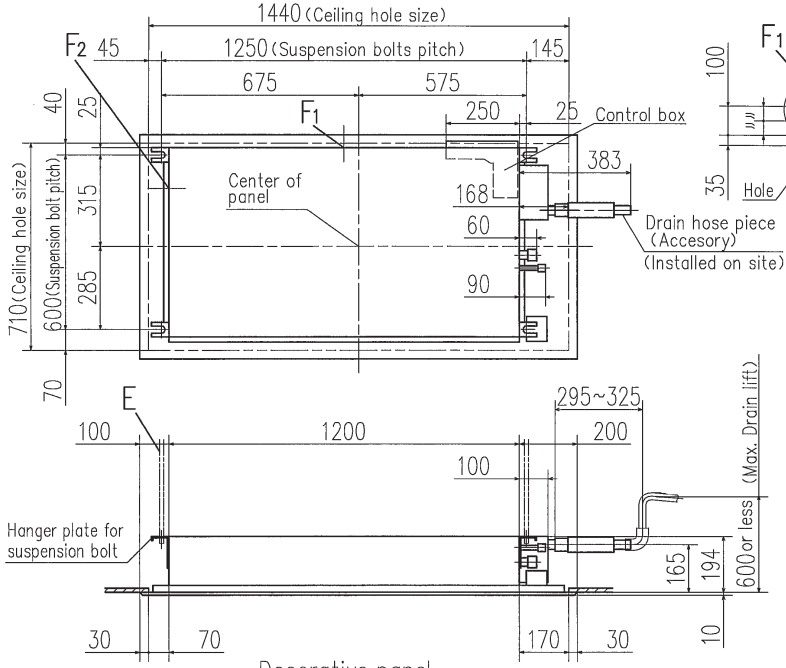
Unit: mm

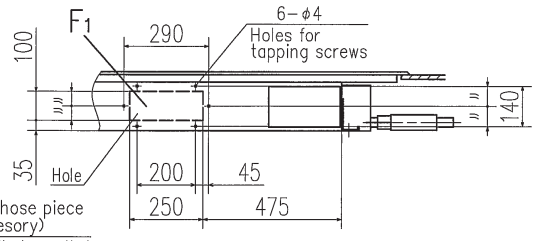
Space for installation and service

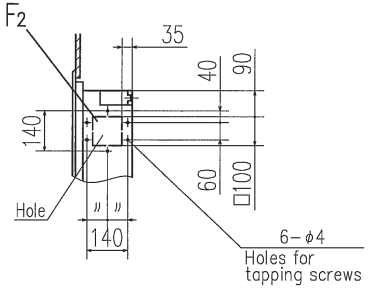


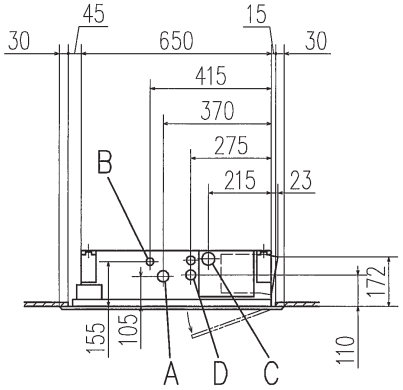
Make a space of 4000 or more between the units when installing more than one.

PJC001Z193 A



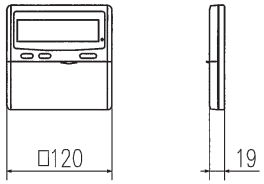






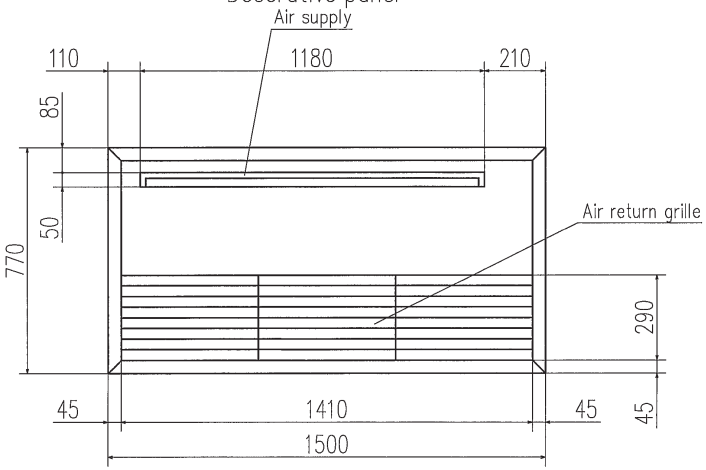
Symbol	Content	
A	Gas piping	φ15.88 (5/8") (Flare)
B	Liquid piping	φ9.52 (3/8") (Flare)
C	Drain piping	VP20 Note (2)
D	Hole for wiring	φ35
E	Suspension bolts	(M10)
F1,2	Outside air opening for ducting	(Knock out)

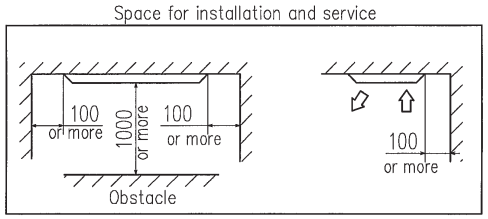
Remote controller
(Option)



Notes (1) The model name label is attached on the fan case inside the air return grille.
(2) Prepare the connecting socket (VP20) on site.

Unit: mm



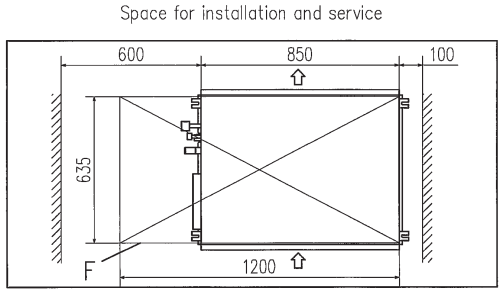


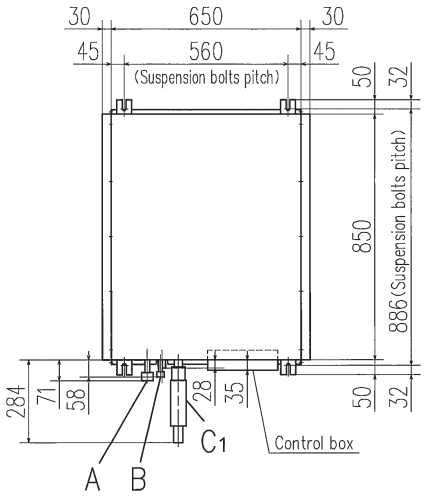
Make a space of 4500 or more between the units when installing more than one.

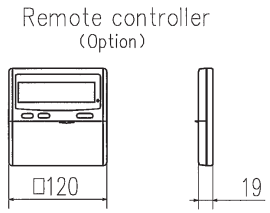
PJC001Z194 A

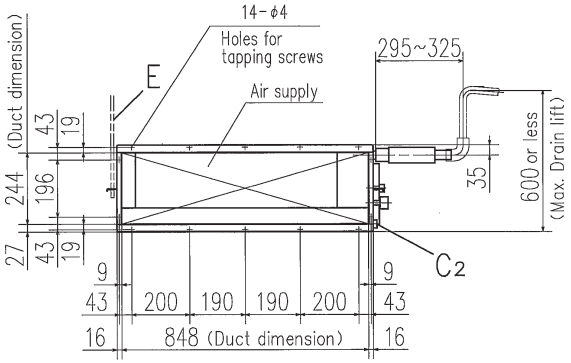
(f) Duct connected-High static pressure type (FDU)
Model FDU71KXE6D

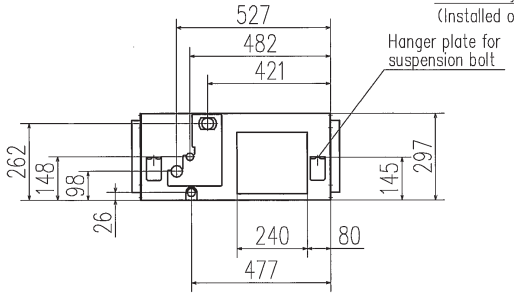
Symbol	Content	
A	Gas piping	ϕ15.88 (5/8") (Flare)
B	Liquid piping	ϕ9.52 (3/8") (Flare)
C1	Drain piping	VP20 Note (2)
C2	Drain piping (Gravity drainage)	VP20
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Inspection hole	(635X1200)

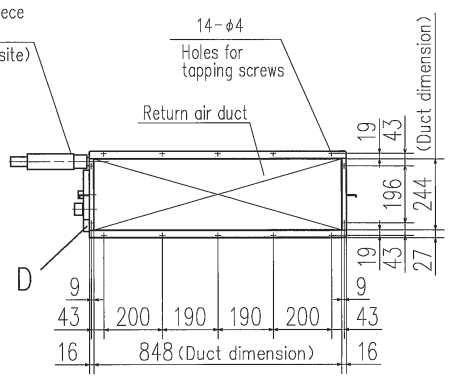






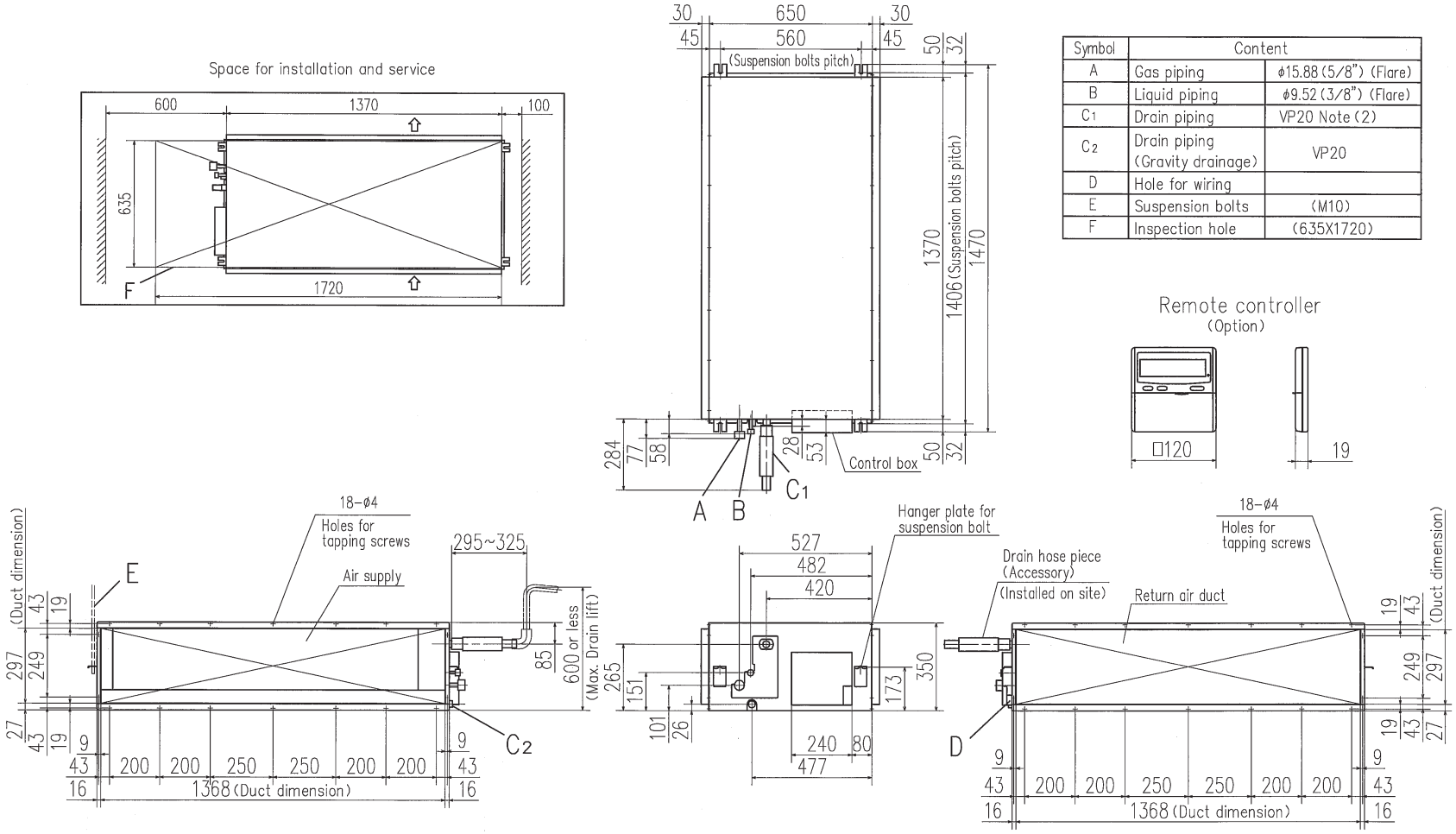






Unit : mm

Notes (1) The model name label is attached on the lid of the control box.
(2) Prepare the connecting socket (VP20) on site.



Symbol	Content	
A	Gas piping	φ15.88 (5/8") (Flare)
B	Liquid piping	φ9.52 (3/8") (Flare)
C1	Drain piping	VP20 Note (2)
C2	Drain piping (Gravity drainage)	VP20
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Inspection hole	(635X1720)

Unit : mm

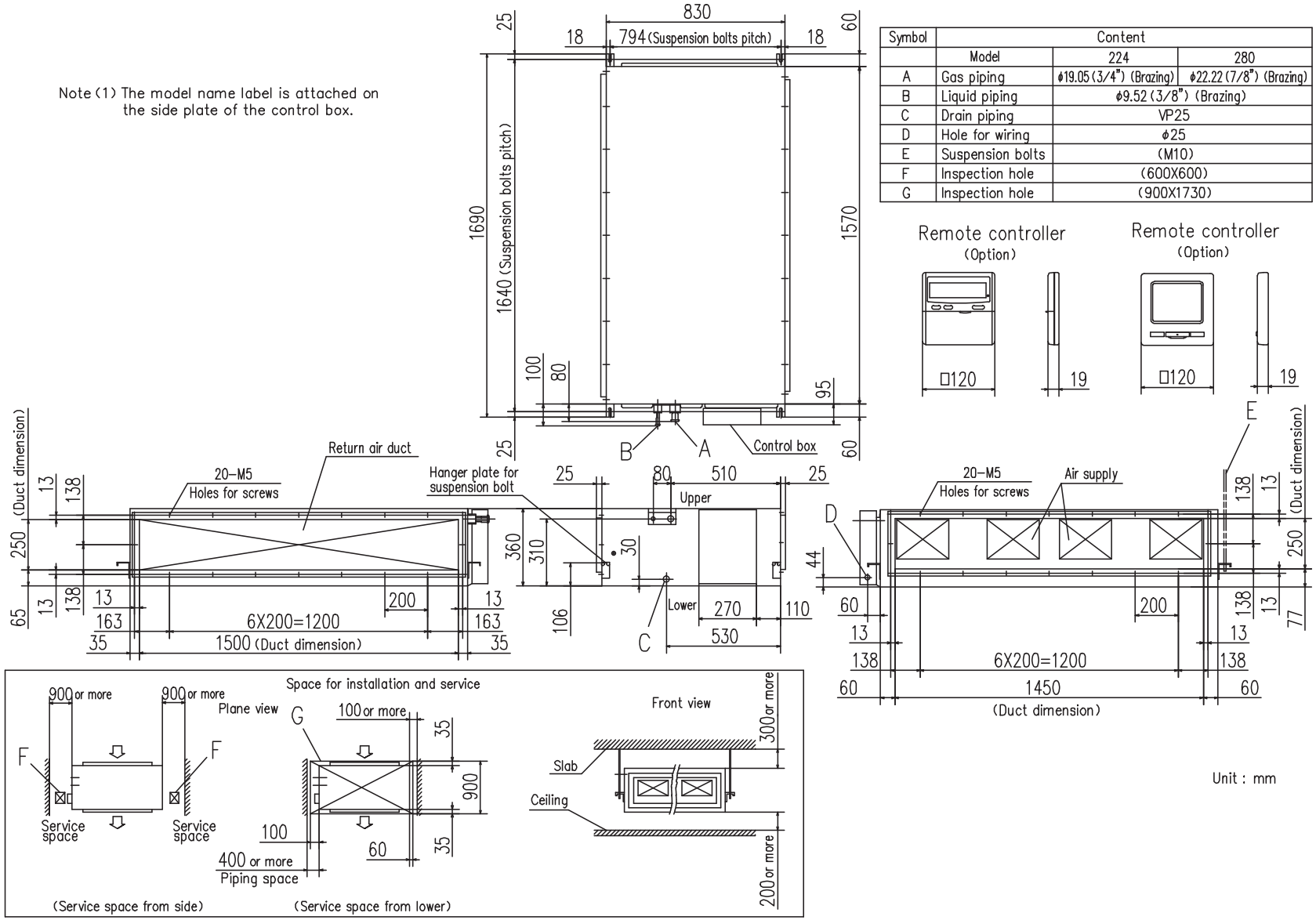
Notes (1) The model name label is attached on the lid of the control box.
(2) Prepare the connecting socket (VP20) on site.

PJD001Z227 B

Models FDU224KXE6F, 280KXE6F

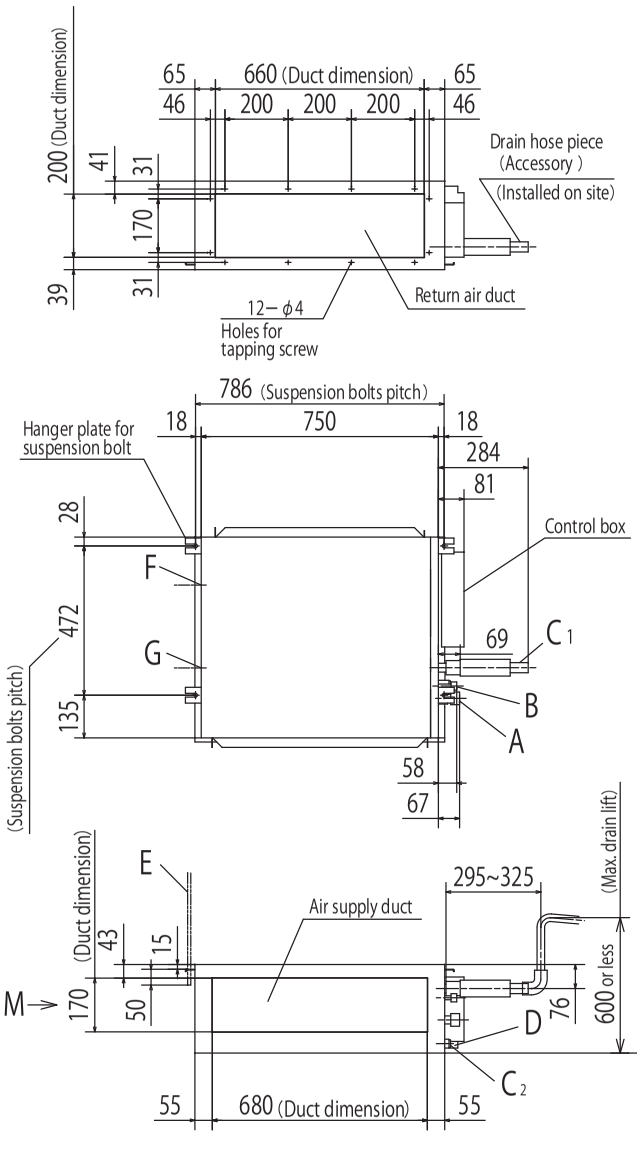
Note (1) The model name label is attached on the side plate of the control box.

Symbol	Content		
	Model	224	280
A	Gas piping	ϕ19.05 (3/4") (Brazing)	ϕ22.22 (7/8") (Brazing)
B	Liquid piping	ϕ9.52 (3/8") (Brazing)	
C	Drain piping	VP25	
D	Hole for wiring	ϕ25	
E	Suspension bolts	(M10)	
F	Inspection hole	(600X600)	
G	Inspection hole	(900X1730)	



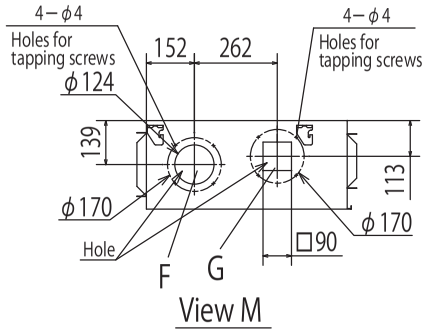
PJD001Z228 B

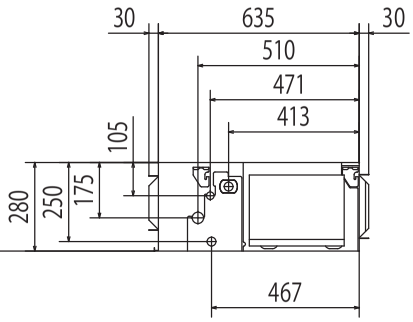
(g) Duct connected-Low/Middle static pressure type (FDUM)
Models FDUM22KXE6F, 28KXE6F, 36KXE6F, 45KXE6F, 56KXE6F



Symbol	Content		
	Model	22,28	36,45,56
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C1	Drain piping	VP20 (I.D.20,O.D.26) (Standard) or VP25 (I.D.25,O.D.32) (Used with attached socket) Note (2)	
C2	Drain piping (Gravity drainage)	VP20 (I.D.20,O.D.26) (Standard) or VP25 (I.D.25,O.D.32) (Used with attached socket)	
D	Hole for wiring		
E	Suspension bolts	(M10)	
F	Outside air opening for ducting	(Knock out)	
G	Air outlet opening for ducting	(Knock out)	
H	Inspection hole	(450X450)	

Notes (1) The model name label is attached on the lid of the control box.
(2) Prepare the connecting socket (VP20 or VP25) on site.



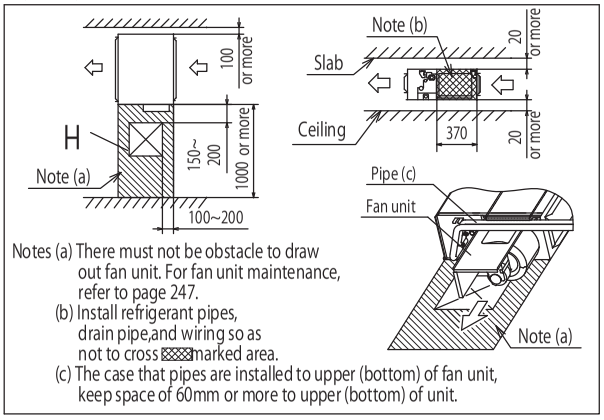


Unit:mm

Space for installation and service

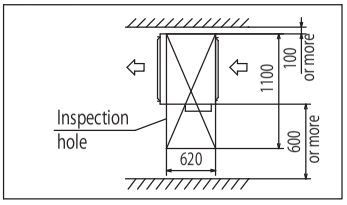
Select either of two cases to keep space for installation and services.

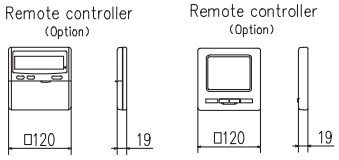
(Case 1) From side of unit



Notes (a) There must not be obstacle to draw out fan unit. For fan unit maintenance, refer to page 247.
(b) Install refrigerant pipes, drain pipe,and wiring so as not to cross ▩ marked area.
(c) The case that pipes are installed to upper (bottom) of fan unit, keep space of 60mm or more to upper (bottom) of unit.

(Case 2) From bottom of unit

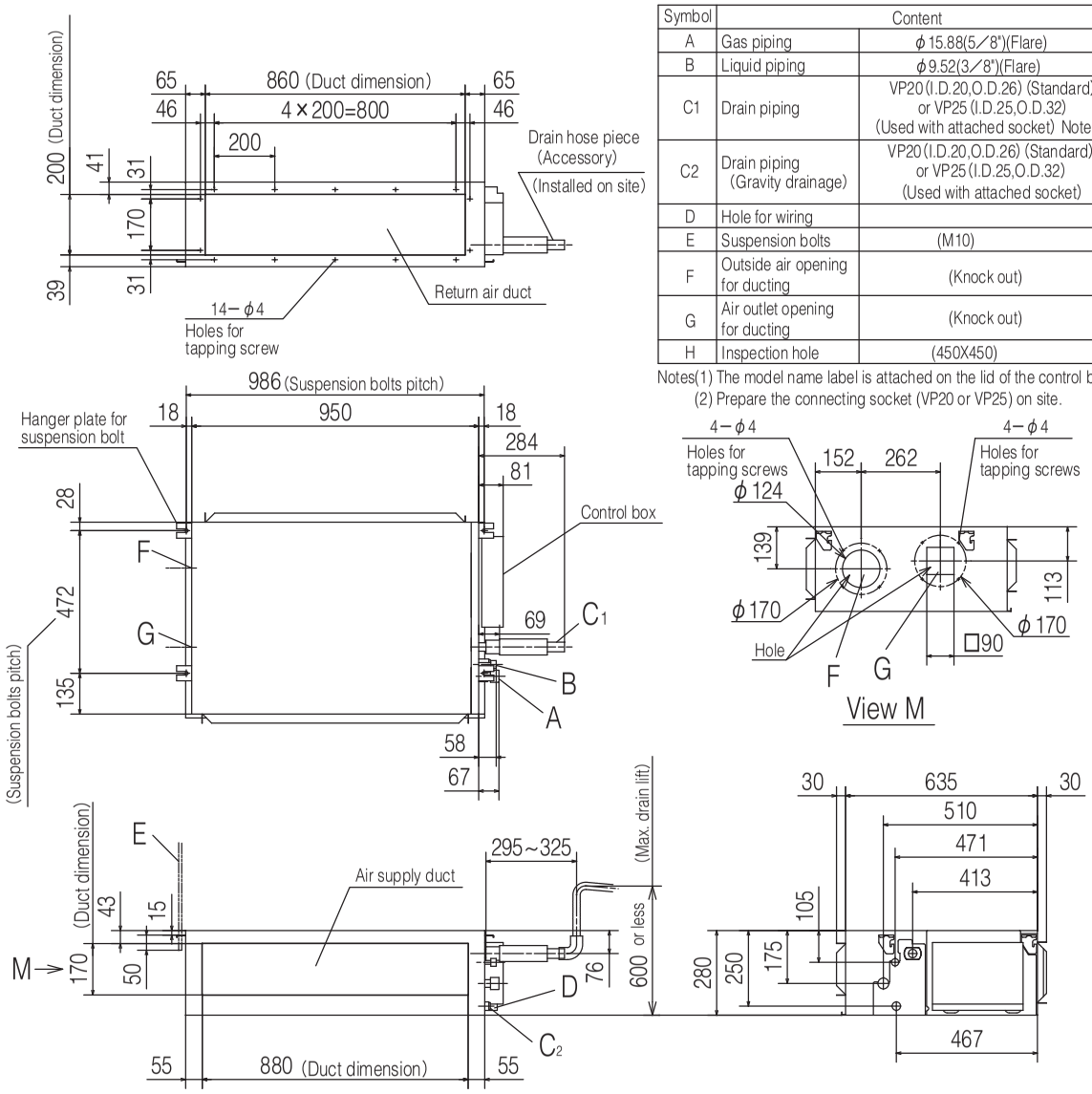




PJG000Z016

#

Models FDUM71KXE6F, 90KXE6F

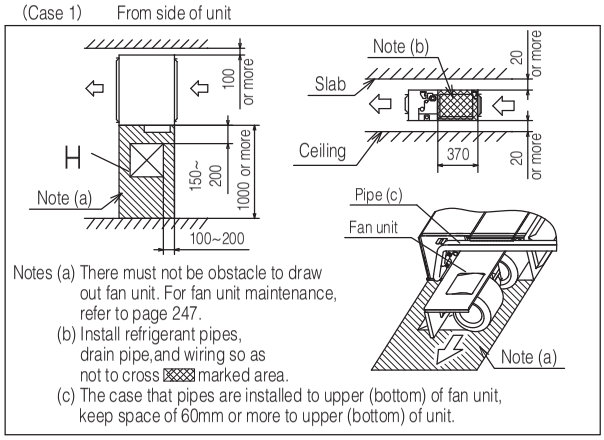


Symbol	Content	
A	Gas piping	φ15.88(5/8")(Flare)
B	Liquid piping	φ9.52(3/8")(Flare)
C1	Drain piping	VP20(I.D.20,O.D.26) (Standard) or VP25 (I.D.25,O.D.32) (Used with attached socket) Note(2)
C2	Drain piping (Gravity drainage)	VP20(I.D.20,O.D.26) (Standard) or VP25(I.D.25,O.D.32) (Used with attached socket)
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Outside air opening for ducting	(Knock out)
G	Air outlet opening for ducting	(Knock out)
H	Inspection hole	(450X450)

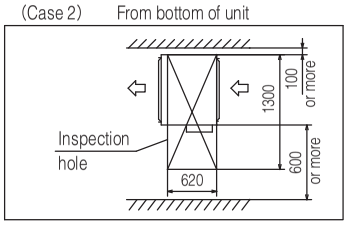
Notes(1) The model name label is attached on the lid of the control box.
(2) Prepare the connecting socket (VP20 or VP25) on site.

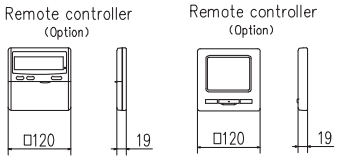
Space for installation and service

Select either of two cases to keep space for installation and services.



Notes (a) There must not be obstacle to draw out fan unit. For fan unit maintenance, refer to page 247.
(b) Install refrigerant pipes, drain pipe,and wiring so as not to cross ▩ marked area.
(c) The case that pipes are installed to upper (bottom) of fan unit, keep space of 60mm or more to upper (bottom) of unit.

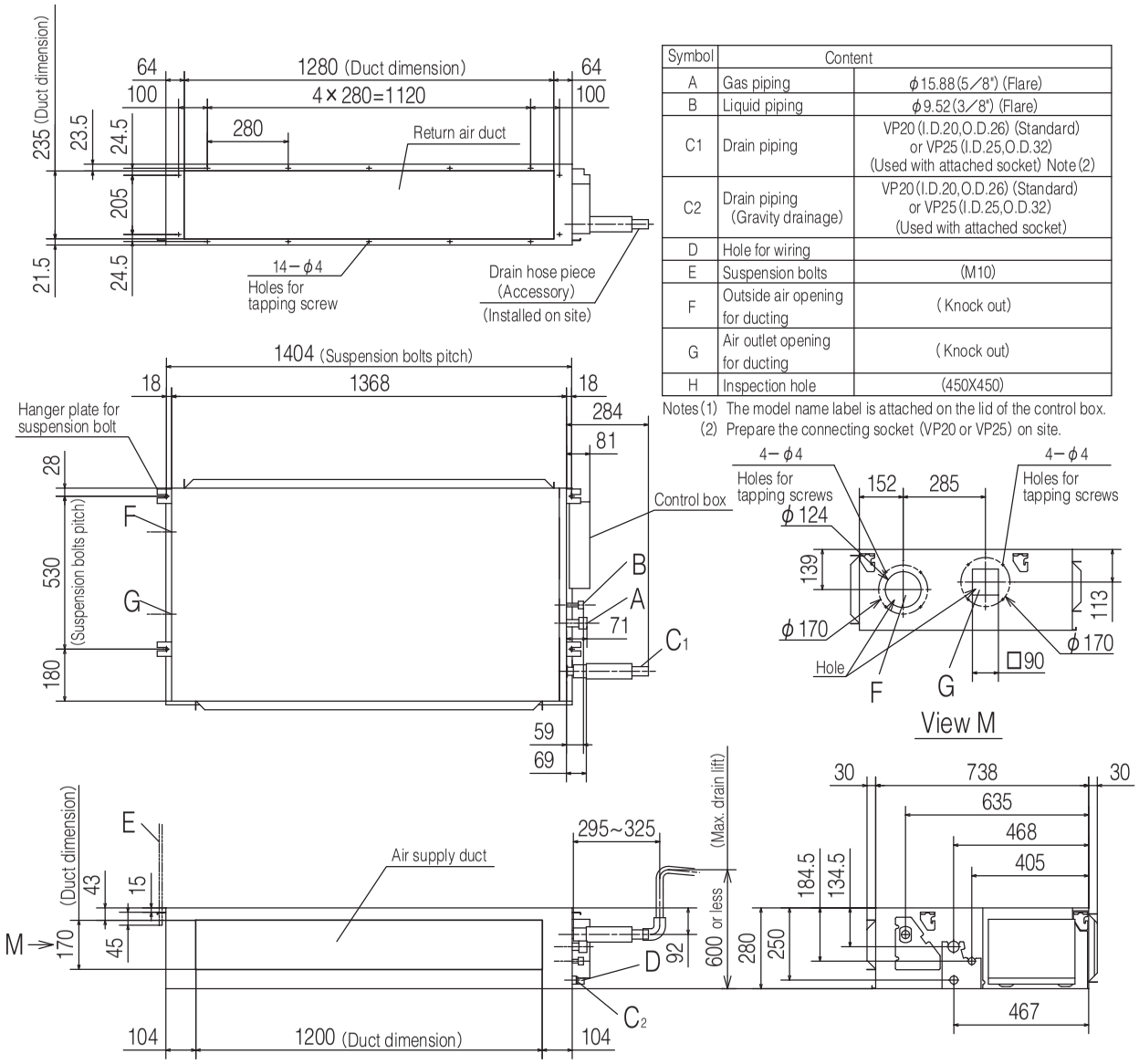




PJG000Z017

#

Models FDUM112KXE6F, 140KXE6F, 160KXE6F

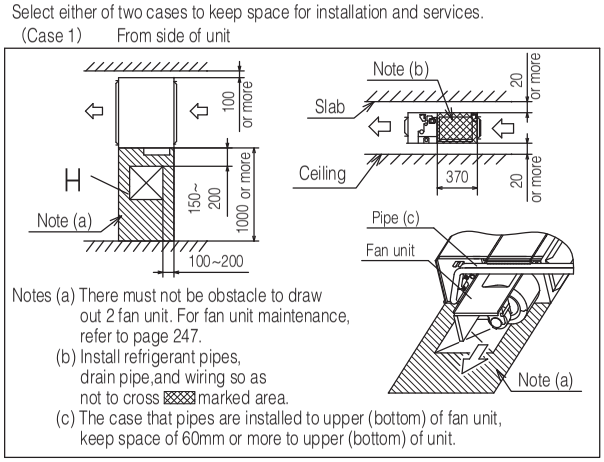


Symbol	Content	
A	Gas piping	φ15.88 (5/8") (Flare)
B	Liquid piping	φ9.52 (3/8") (Flare)
C1	Drain piping	VP20 (I.D.20,O.D.26) (Standard) or VP25 (I.D.25,O.D.32) (Used with attached socket) Note (2)
C2	Drain piping (Gravity drainage)	VP20 (I.D.20,O.D.26) (Standard) or VP25 (I.D.25,O.D.32) (Used with attached socket)
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Outside air opening for ducting	(Knock out)
G	Air outlet opening for ducting	(Knock out)
H	Inspection hole	(450X450)

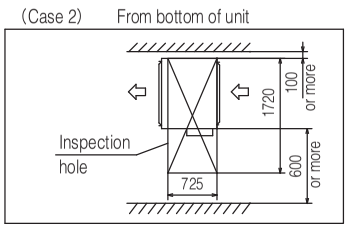
Notes (1) The model name label is attached on the lid of the control box.
(2) Prepare the connecting socket (VP20 or VP25) on site.

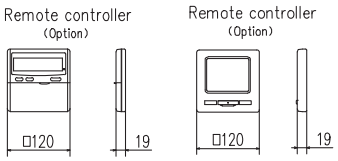
Space for installation and service

Select either of two cases to keep space for installation and services.



Notes (a) There must not be obstacle to draw out 2 fan unit. For fan unit maintenance, refer to page 247.
(b) Install refrigerant pipes, drain pipe,and wiring so as not to cross ▩ marked area.
(c) The case that pipes are installed to upper (bottom) of fan unit, keep space of 60mm or more to upper (bottom) of unit.





PJG000Z018

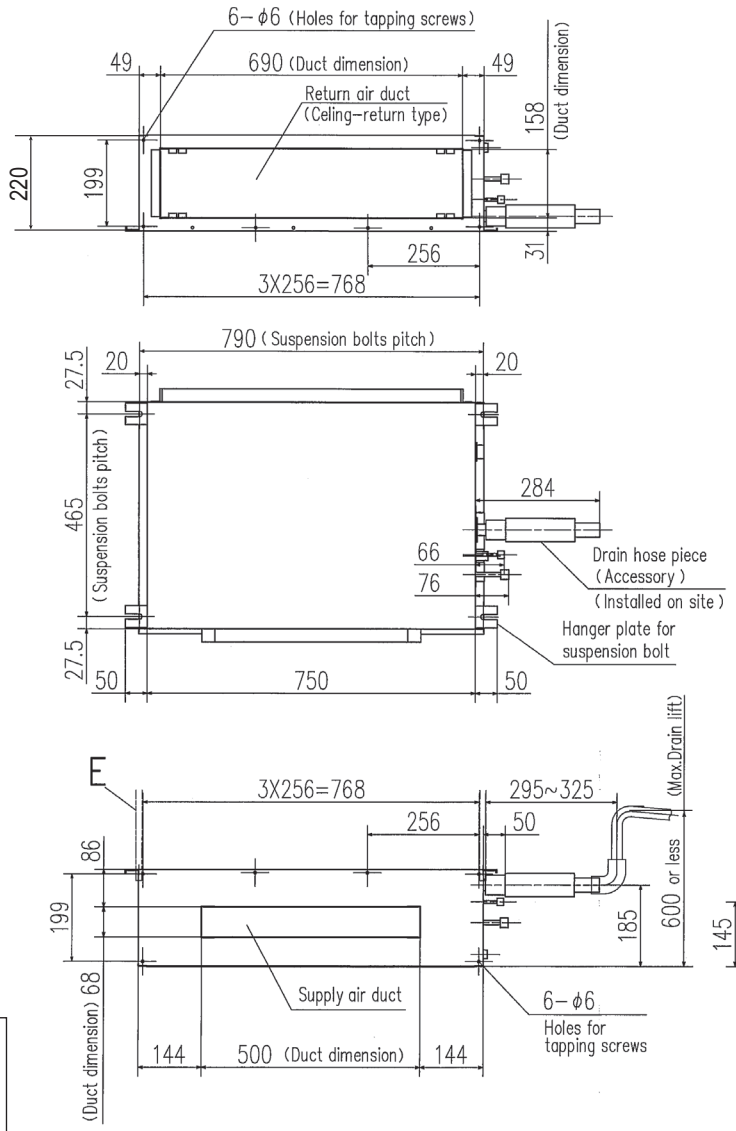
#

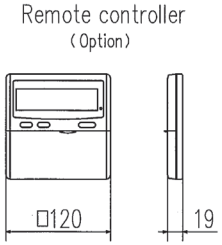
(h) Duct connected (thin)-Low static pressure type (FDUT)

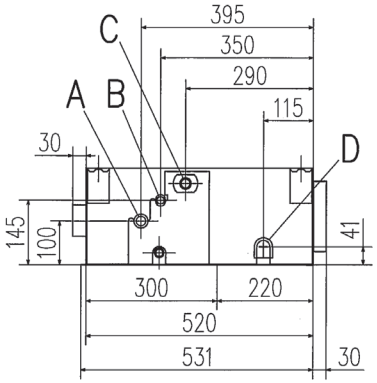
1)Rear air return type

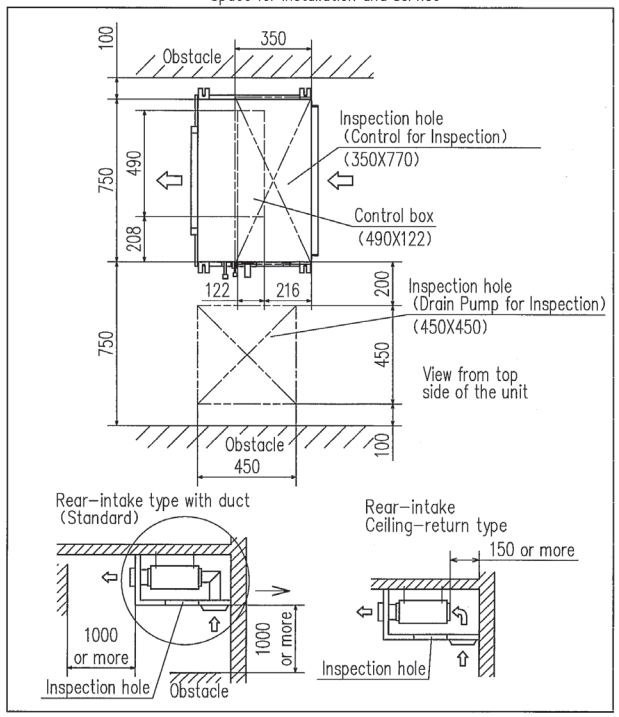
Models FDUT22KXE6D, 28KXE6D, 36KXE6D

Symbol	Content		
	Model	22,28	36
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C	Drain piping	VP25 Note (2)	
D	Hole for wiring	φ35	
E	Suspension bolts	(M10)	





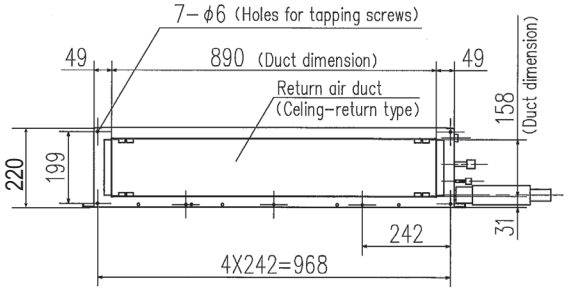


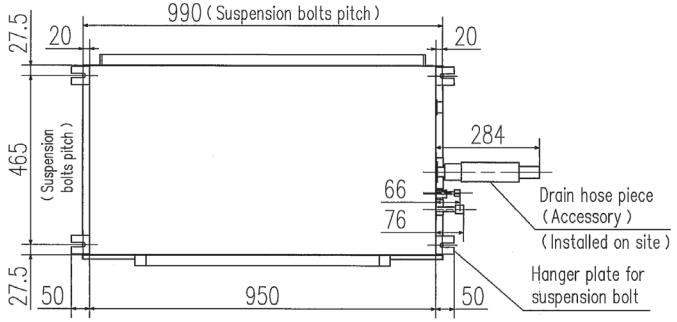


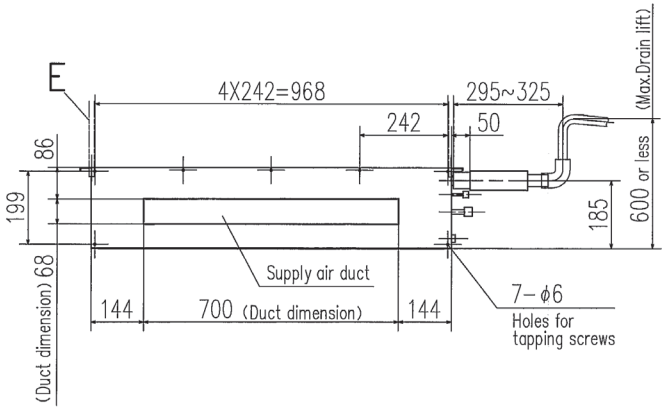
Unit: mm

Notes
(1) The model name label is attached on the side plate.
(2) Prepare the connecting socket (VP25) on site.

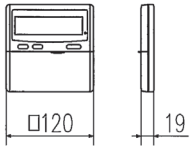
PJM000Z001 B

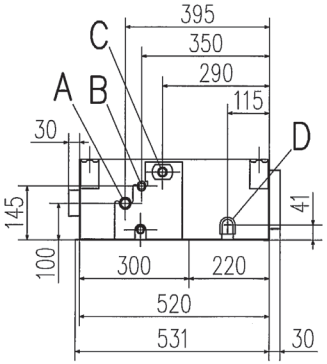






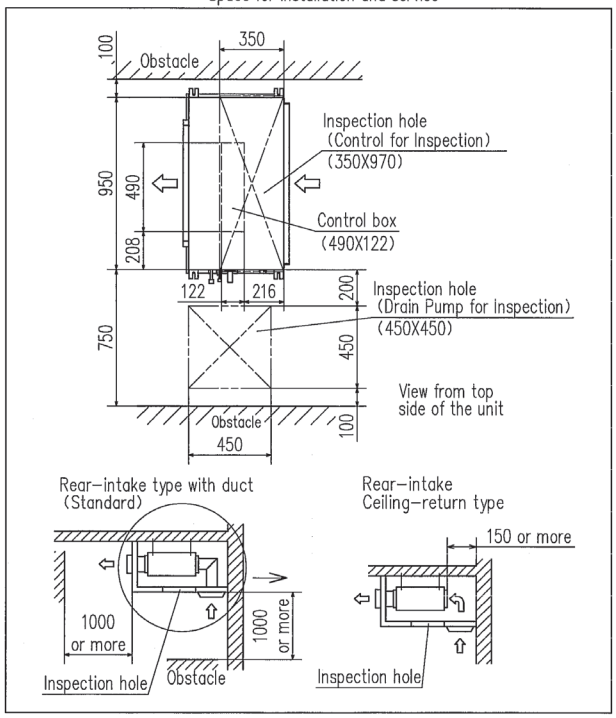
Remote controller
(Option)





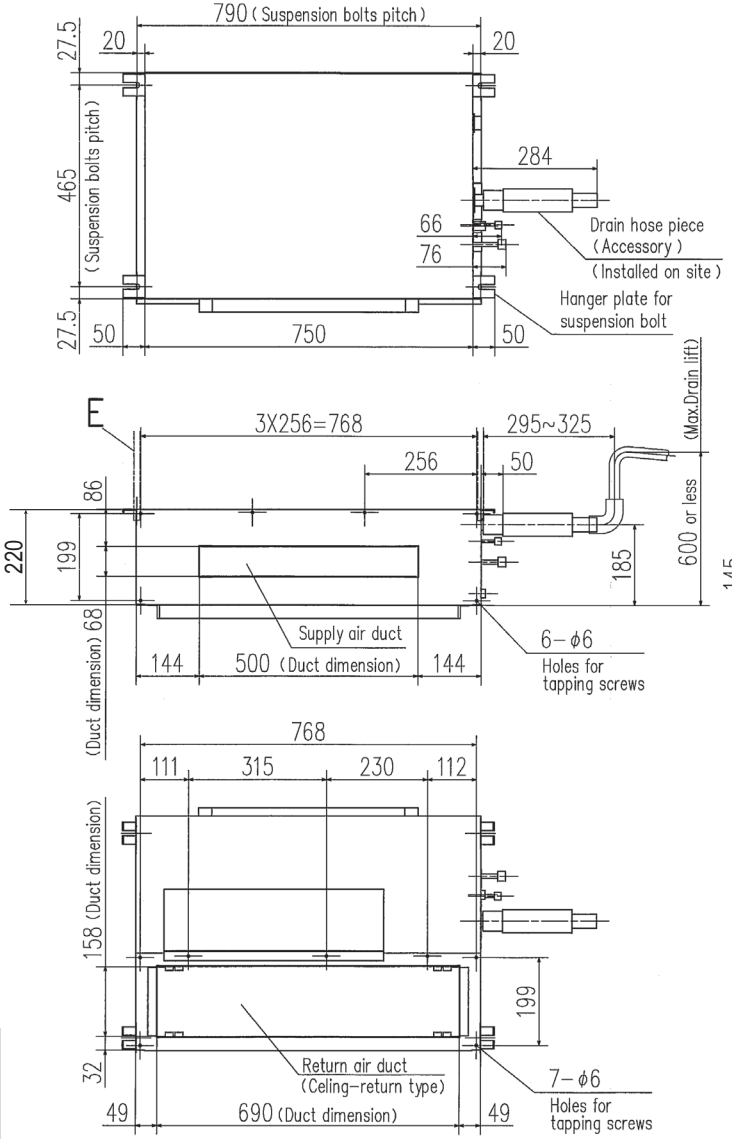
Symbol	Content	
	Model	45,56
A	Gas piping	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)
C	Drain piping	VP25 Note (2)
D	Hole for wiring	φ35
E	Suspension bolts	(M10)

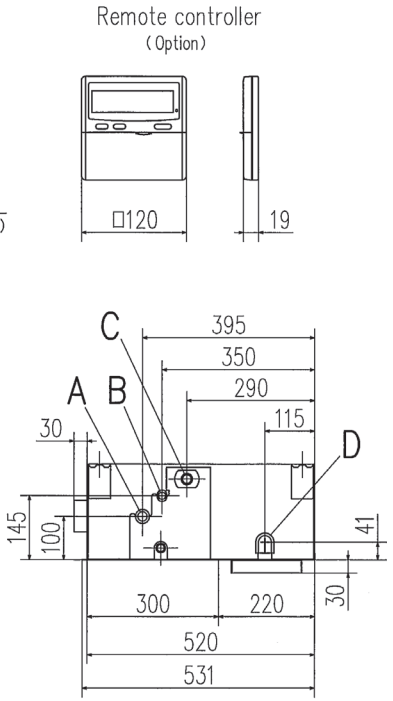
Space for installation and service



Notes
(1) The model name label is attached on the side plate.
(2) Prepare the connecting socket (VP25) on site.

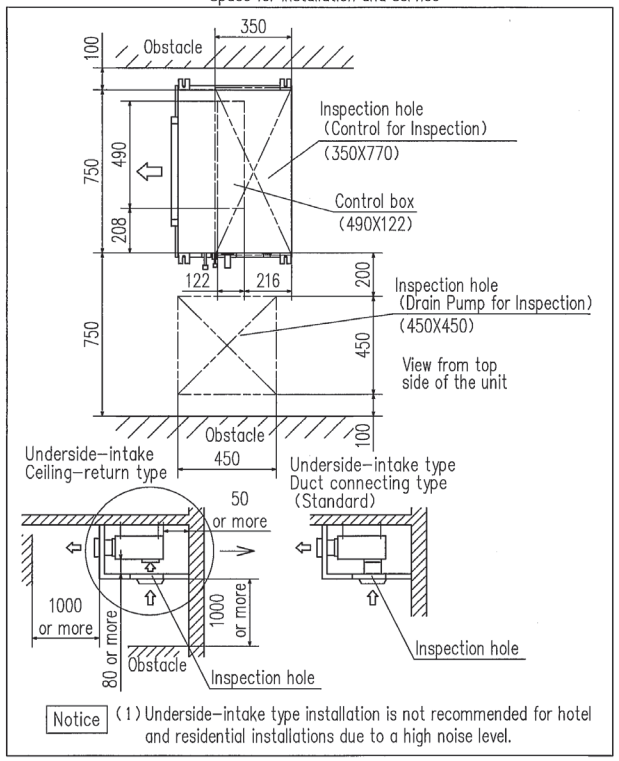
2)Bottom air return type
Models FDUT22KXE6D, 28KXE6D, 36KXE6D





Symbol	Content		
	Model	22,28	36
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C	Drain piping	VP25 Note (2)	
D	Hole for wiring	φ35	
E	Suspension bolts	(M10)	

Space for installation and service

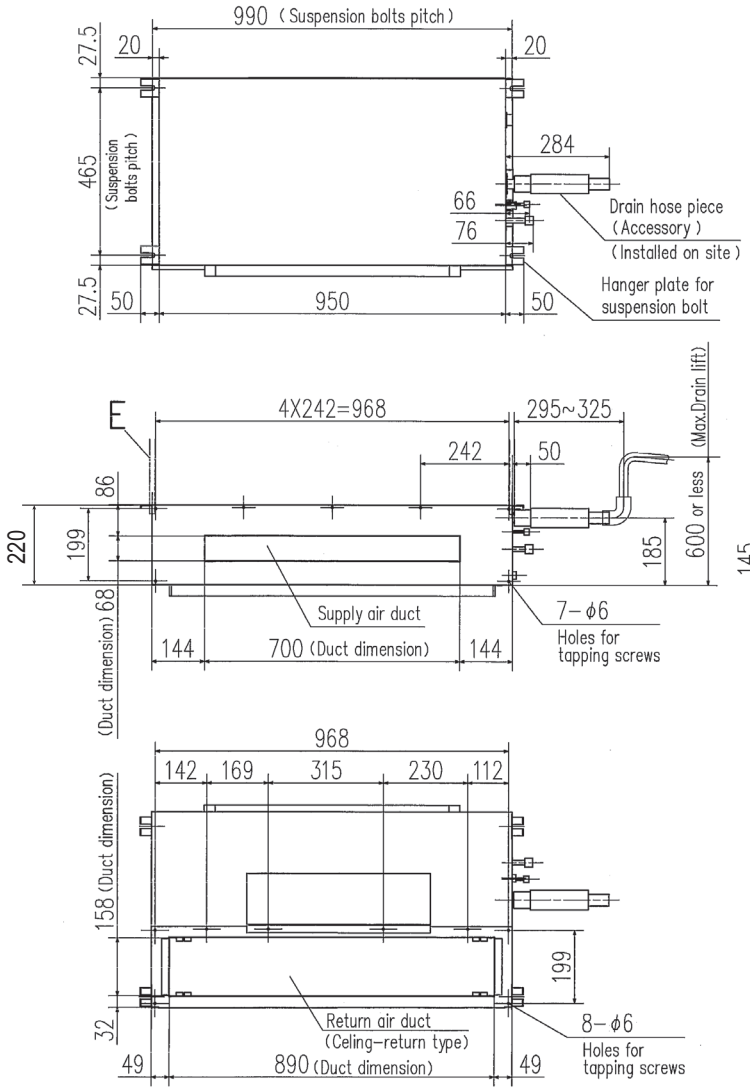


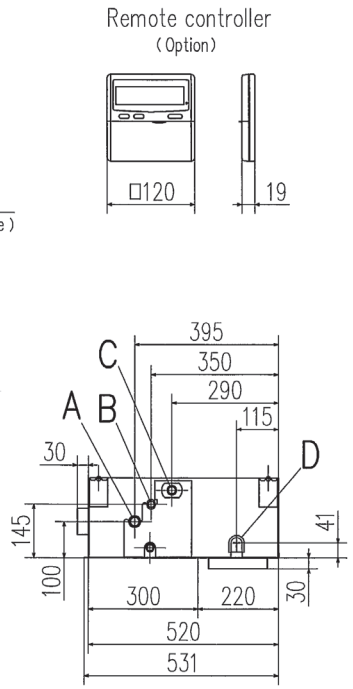
Notice (1) Underside−intake type installation is not recommended for hotel and residential installations due to a high noise level.

Unit: mm

Notes
(1) The model name label is attached on the side plate.
(2) Prepare the connecting socket (VP25) on site.
(3) At the time of factory shipment it is the back suction.
Then, it becomes the lower suction for local repair.

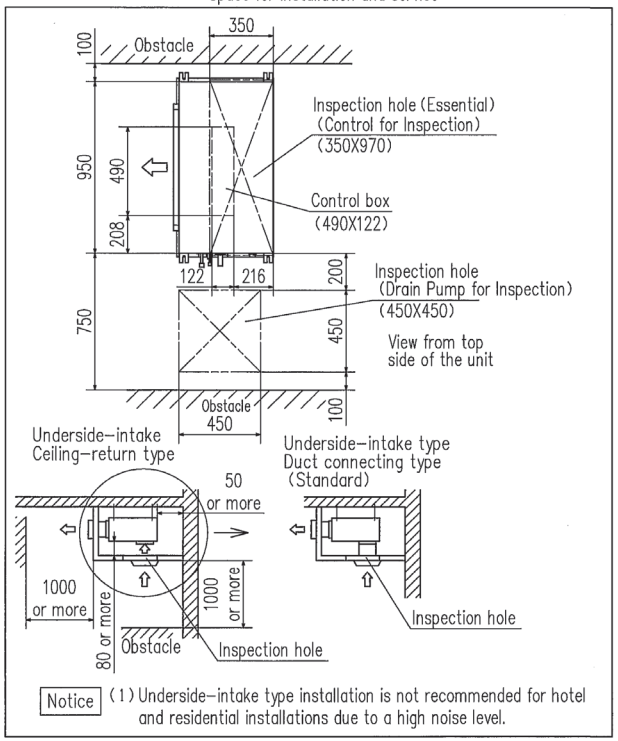
PJM000Z003 B





Symbol	Content	
	Model	45,56
A	Gas piping	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)
C	Drain piping	VP25 Note (2)
D	Hole for wiring	φ35
E	Suspension bolts	(M10)

Space for installation and service



Notice (1) Underside-intake type installation is not recommended for hotel and residential installations due to a high noise level.

Unit: mm

Notes
(1) The model name label is attached on the side plate.
(2) Prepare the connecting socket (VP25) on site.
(3) At the time of factory shipment it is the back suction.
Then, it becomes the lower suction for local repair.

PJM000Z004 B

(i) Duct connected-Compact and Flexible-type (FDUH)

Models FDUH22KXE6F, 28KXE6F, 36KXE6F

1) Rear air return type

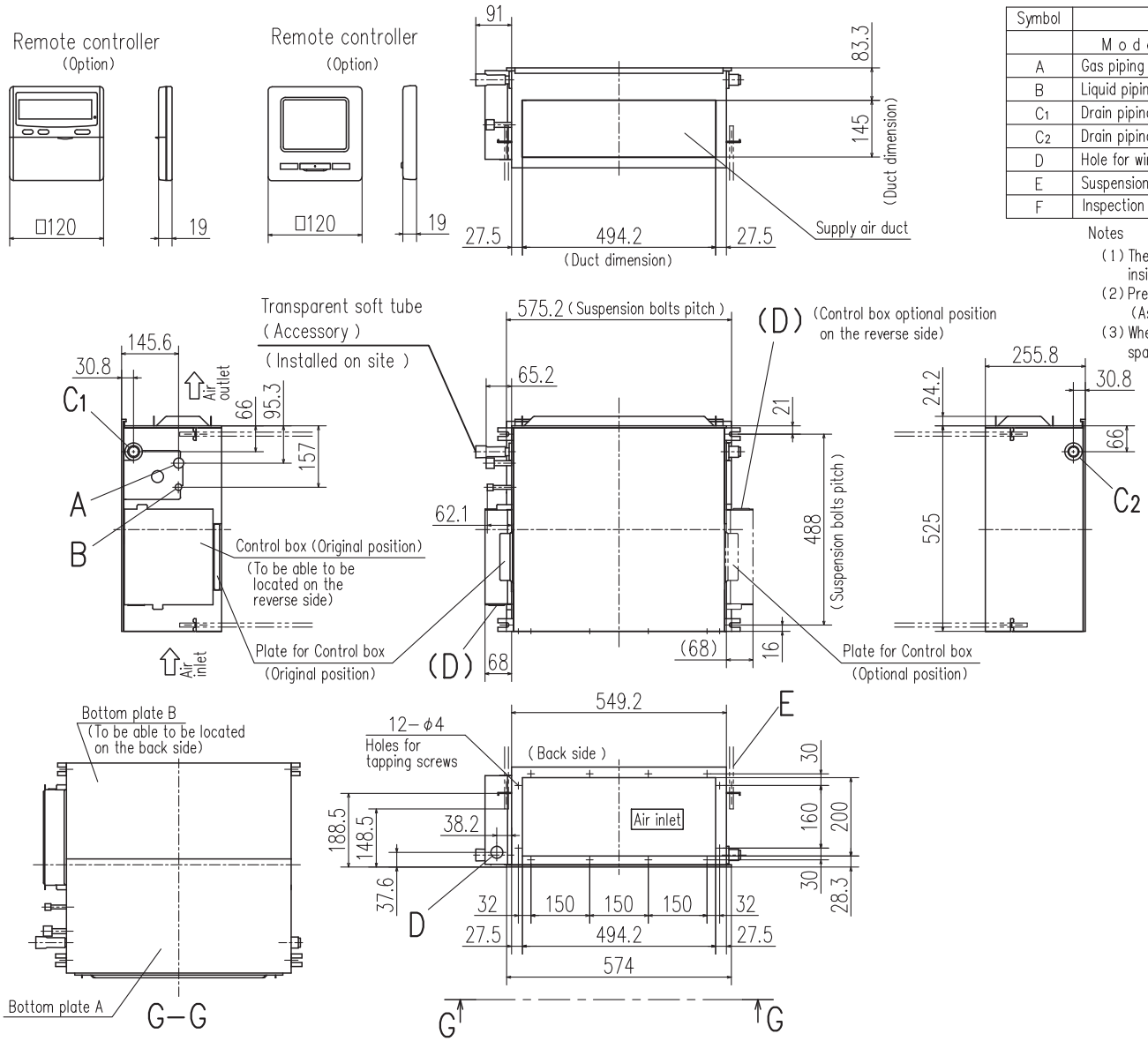
Symbol	Content		
	Model	22,28	36
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C_1	Drain piping	VP20 Note (2)	
C_2	Drain piping	To be used instead of "C_1"	
D	Hole for wiring	φ30	
E	Suspension bolts	(M10)	
F	Inspection hole	(590X1150) Note (3)	

Notes

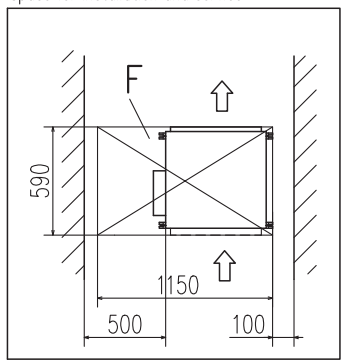
(1) The model name label is attached on the fan case inside the air return grille.

(2) Prepare the connecting socket (VP20) on site. (As for drain piping, it is possible to choose C_1 or C_2)

(3) When control box is located on the reverse side, Installation space should be modified new location.



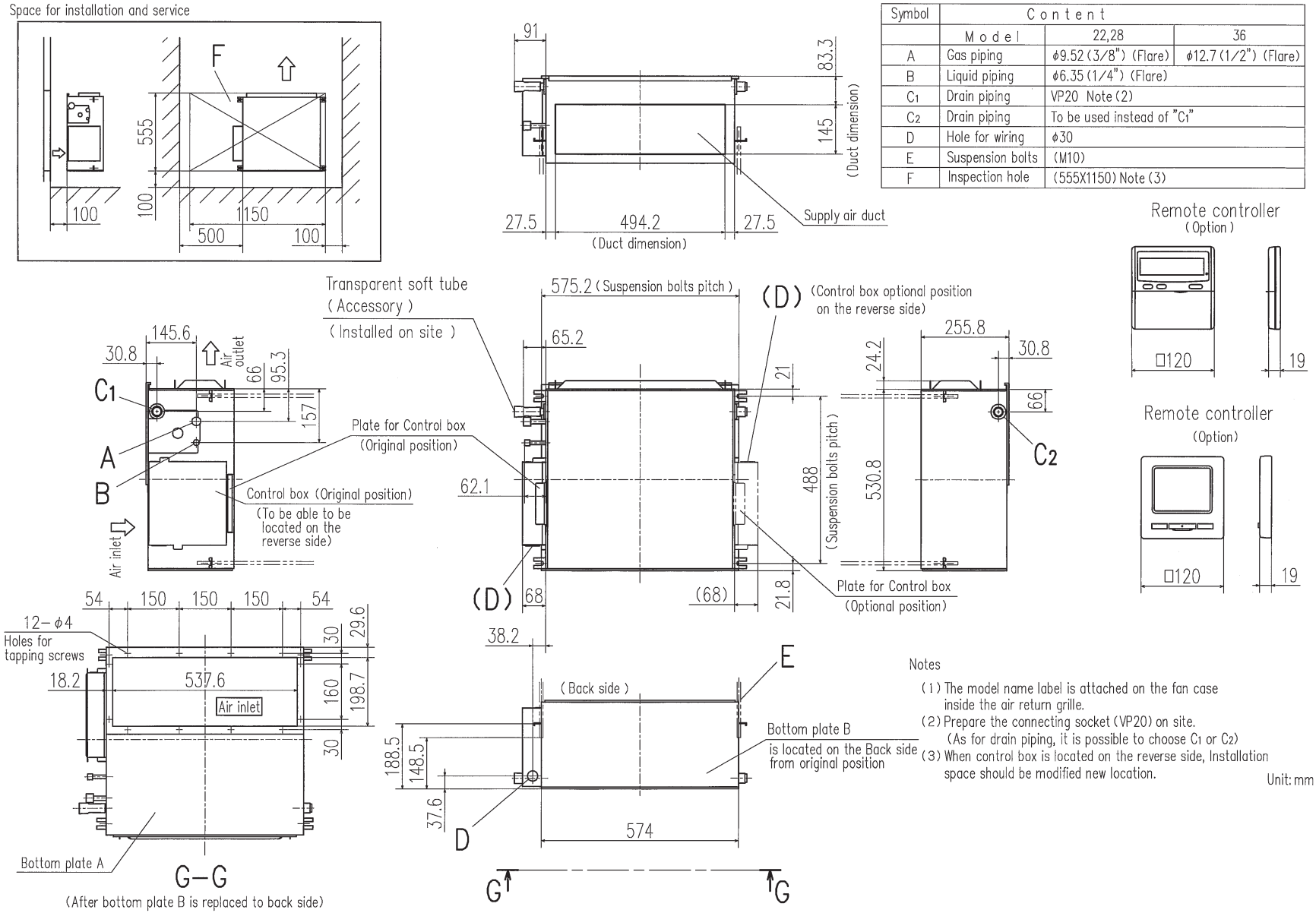
Space for installation and service



PJC001Z283 A

Models FDUH22KXE6F, 28KXE6F, 36KXE6F
2) Bottom suction type

Symbol	Content		
	Model	22,28	36
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C_1	Drain piping	VP20 Note (2)	
C_2	Drain piping	To be used instead of "C_1"	
D	Hole for wiring	φ30	
E	Suspension bolts	(M10)	
F	Inspection hole	(555X1150) Note (3)	



Notes

(1) The model name label is attached on the fan case inside the air return grille.
(2) Prepare the connecting socket (VP20) on site.
(As for drain piping, it is possible to choose C_1 or C_2)
(3) When control box is located on the reverse side, Installation space should be modified new location.

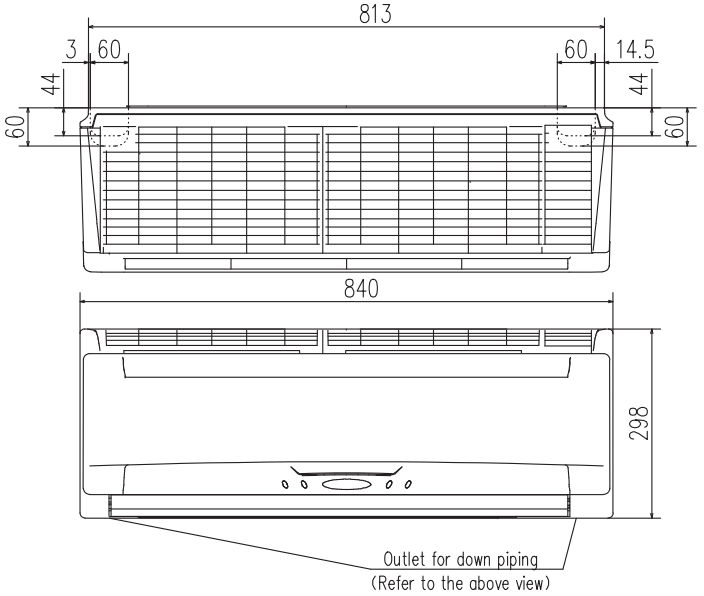
Unit: mm

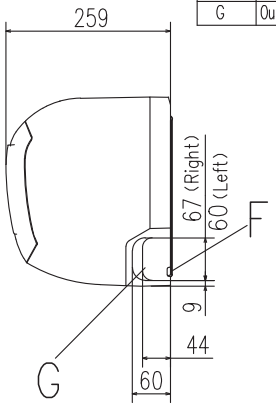
PJC001Z292

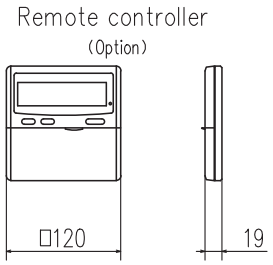
(j) Wall mounted type (FDK)

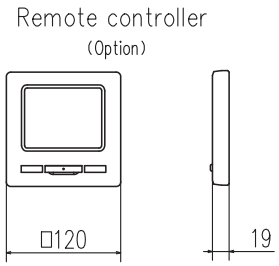
Models FDK22KXE6F, 28KXE6F, 36KXE6F, 45KXE6F, 56KXE6F

Symbol	Content		
	Model	22,28	36,45,56
A	Gas piping	ϕ9.52 (3/8") (Flare)	ϕ12.7 (1/2") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)	
C	Hole on wall for right rear piping	(ϕ65)	
D	Hole on wall for left rear piping	(ϕ65)	
E	Drain piping	VP16	
F	Outlet for wiring		
G	Outlet for piping (on both side)		

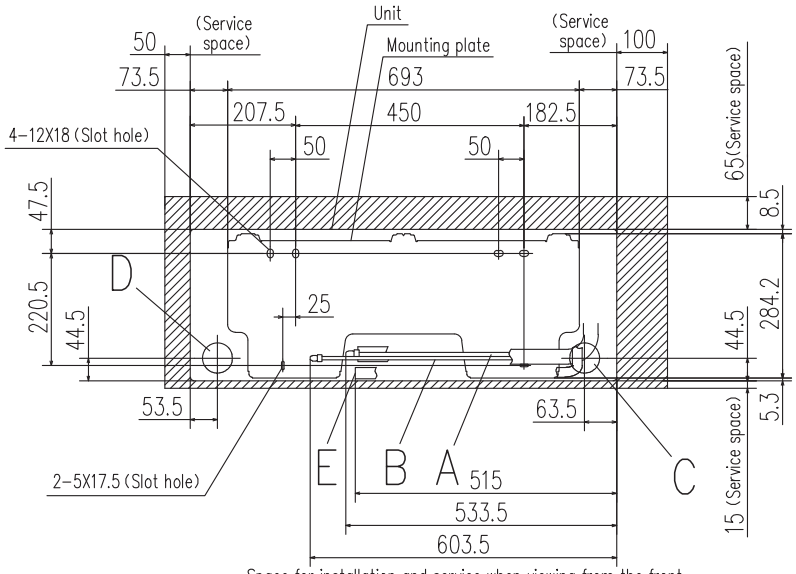








Unit: mm

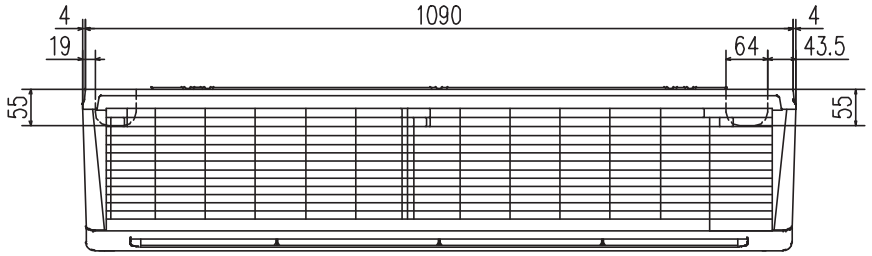


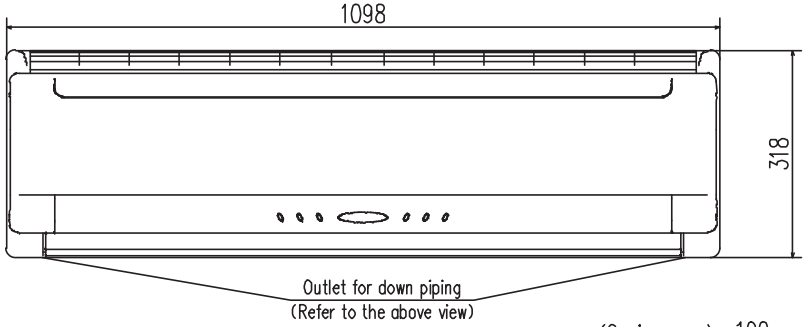
Space for installation and service when viewing from the front

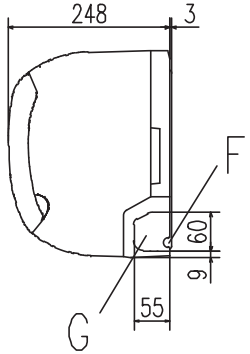
Note (1) The model name label is attached on the underside of the panel.

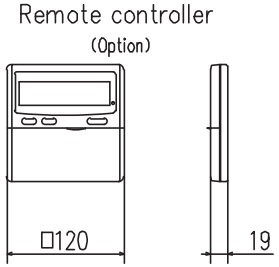
PHA000Z981

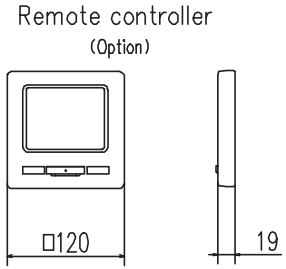
Symbol	Content	
A	Gas piping	ϕ15.88 (5/8") (Flare)
B	Liquid piping	ϕ9.52 (3/8") (Flare)
C	Hole on wall for right rear piping	(ϕ65)
D	Hole on wall for left rear piping	(ϕ65)
E	Drain piping	VP16
F	Outlet for wiring	
G	Outlet for piping (on both side)	





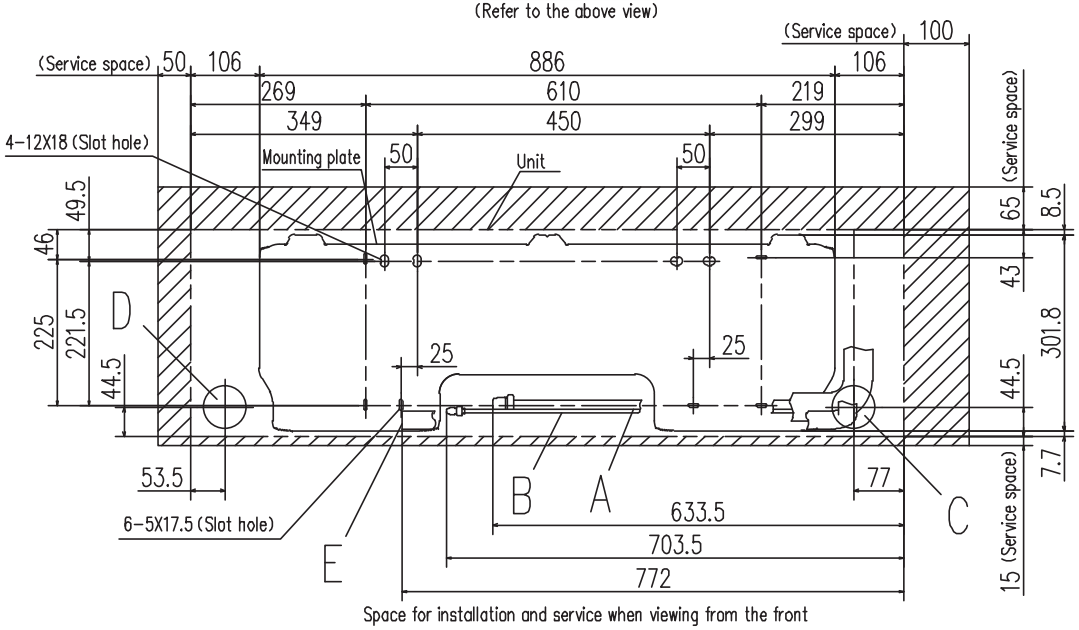






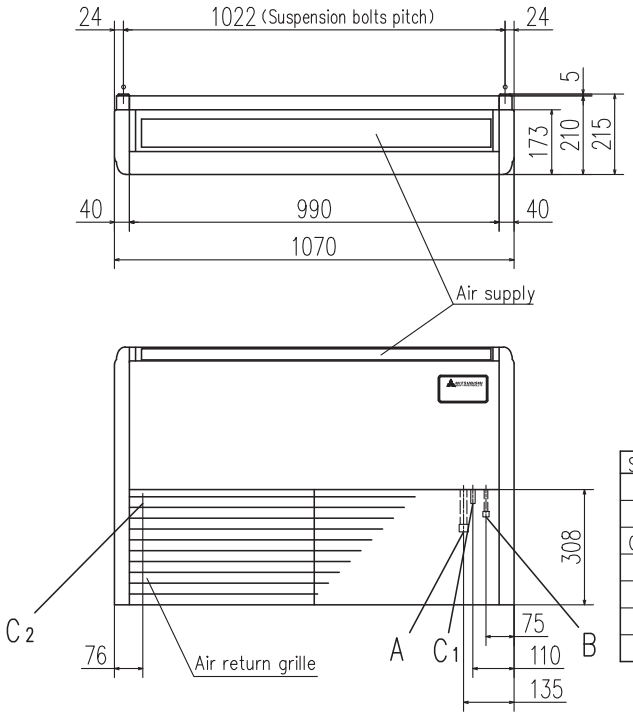
Note (1) The model name label is attached on the underside of the panel.

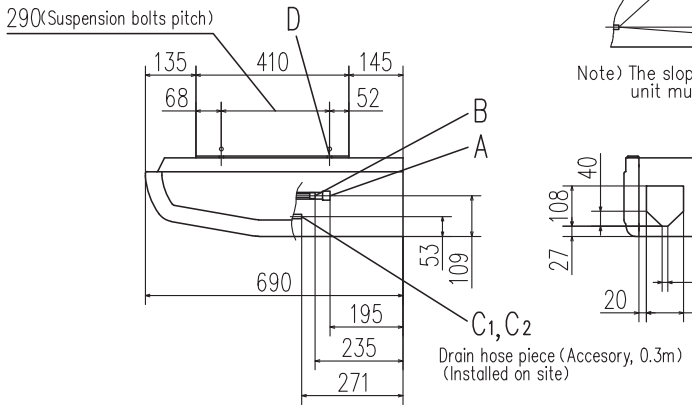
Unit: mm

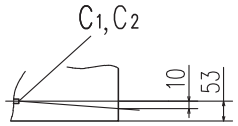


PHA000Z982 B

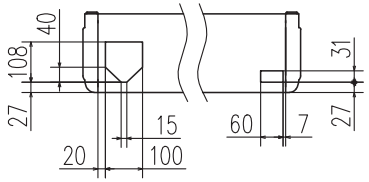
(k) Ceiling suspended type (FDE)
Models FDE36KXE6F, 45KXE6F, 56KXE6F





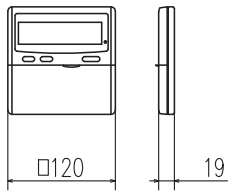


Note) The slope of drain piping inside the unit must take decline of 10mm.

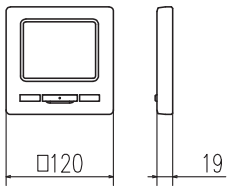


Symbol	Content	
A	Gas piping	ϕ12.7 (1/2") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)
C 1,2	Drain piping	VP20
D	Hole for suspension bolt	(M10 or M8)
E	Back cutout	PE cover
F	Top cutout	Plate cover
G	Hole for drain piping (for left back)	(Knock out)

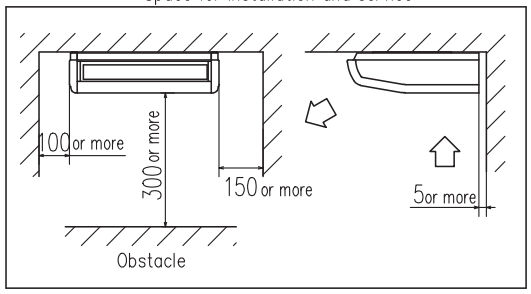
Remote controller
(Option)



Remote controller
(Option)

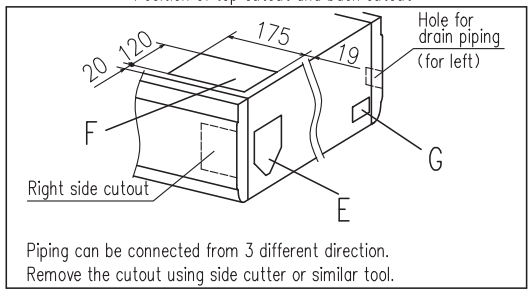


Space for installation and service



Make a space of 4000 or more between the units when installing more than one.

Position of top cutout and back cutout



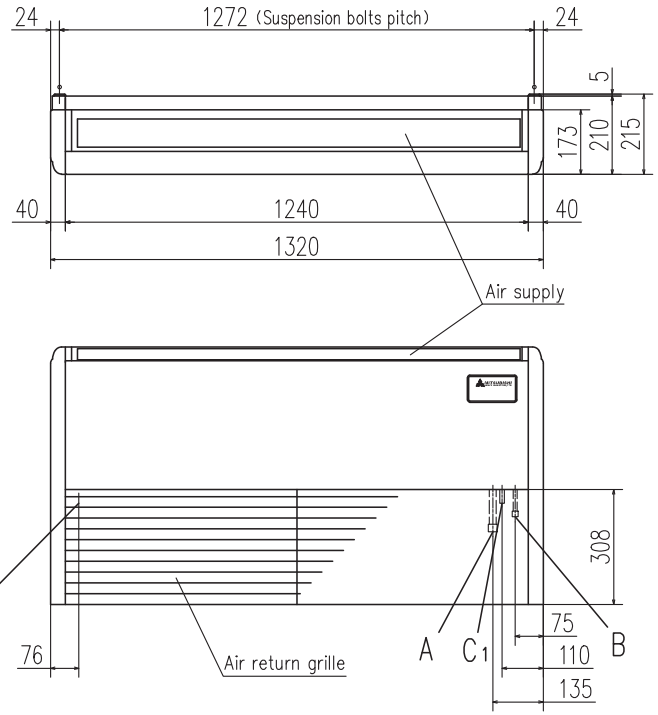
Piping can be connected from 3 different direction.
Remove the cutout using side cutter or similar tool.

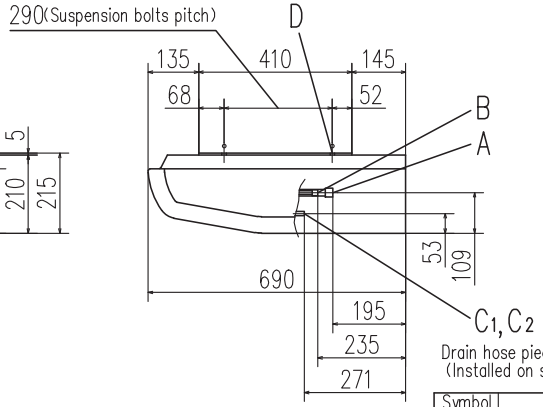
Note (1) The model name label is attached on the fan casing inside the air return grille.

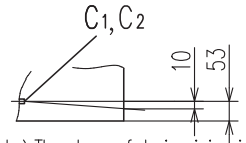
Unit: mm

PFA003Z823 B

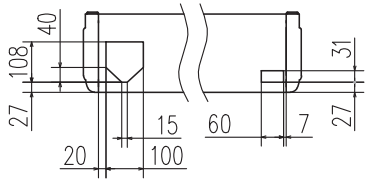
Model FDE71KXE6F







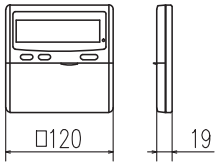
Note) The slope of drain piping inside the unit must take decline of 10mm.



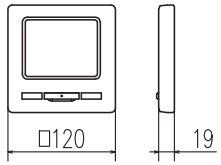
Drain hose piece (Accesory, 0.3m)
(Installed on site)

Symbol	Content	
A	Gas piping	ϕ15.88 (5/8") (Flare)
B	Liquid piping	ϕ9.52 (3/8") (Flare)
C 1,2	Drain piping	VP20
D	Hole for suspension bolt	(M10 or M8)
E	Back cutout	PE cover
F	Top cutout	Plate cover
G	Hole for drain piping (for left back)	(Knock out)

Remote controller
(Option)



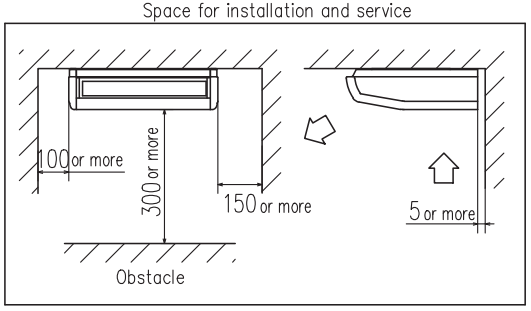
Remote controller
(Option)



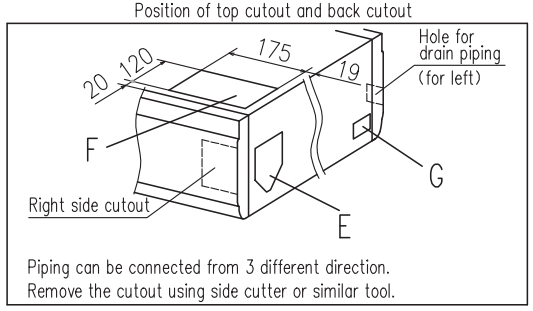
Note (1) The model name label is attached on the fan casing inside the air return grille.

Unit: mm

Space for installation and service



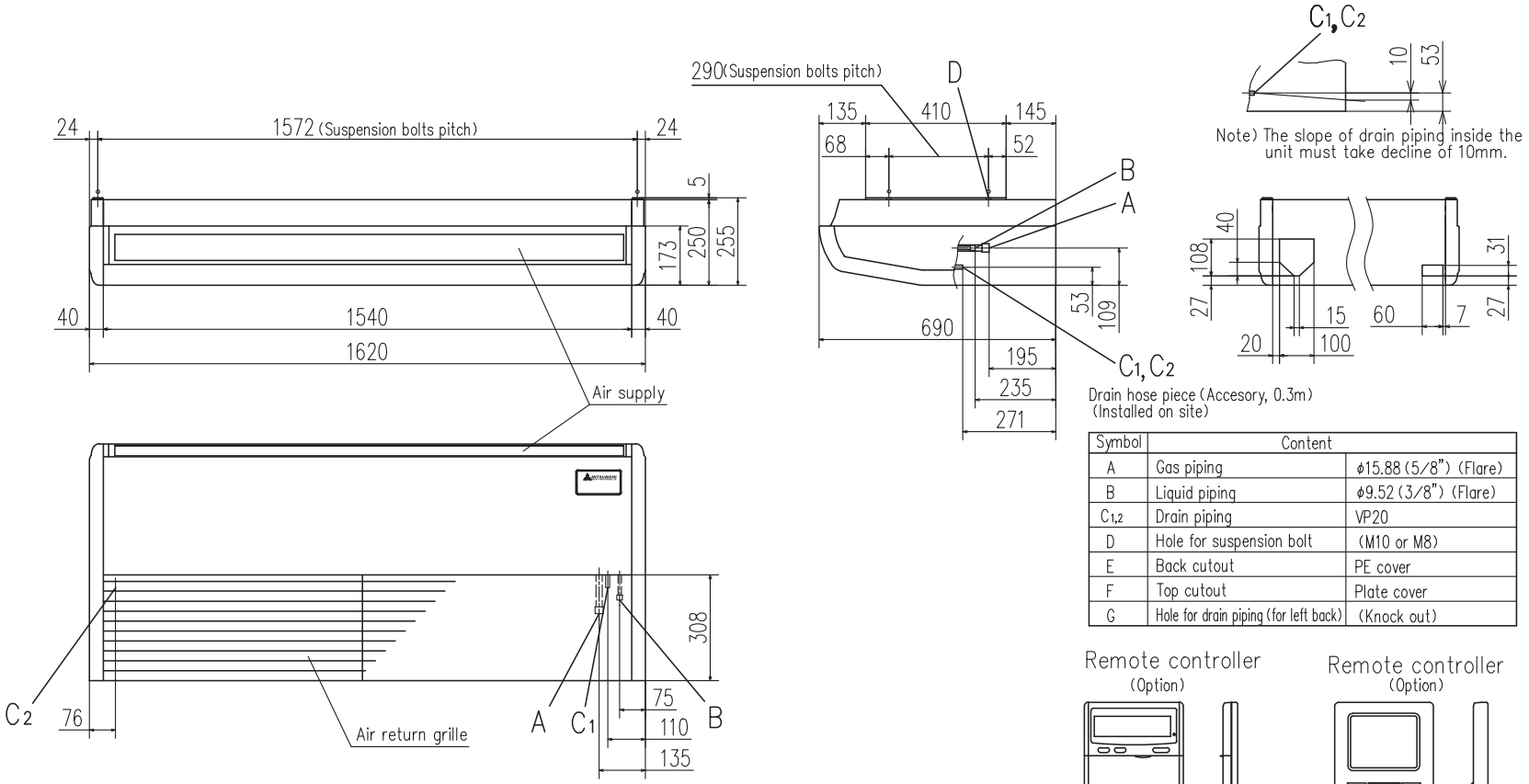
Position of top cutout and back cutout



Piping can be connected from 3 different direction.
Remove the cutout using side cutter or similar tool.

Make a space of 4500 or more between the units when installing more than one.

PFA003Z824 B

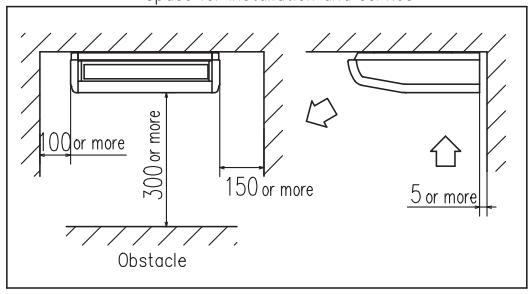


Symbol	Content	
A	Gas piping	ϕ15.88 (5/8") (Flare)
B	Liquid piping	ϕ9.52 (3/8") (Flare)
$C_{1,2}$	Drain piping	VP20
D	Hole for suspension bolt	(M10 or M8)
E	Back cutout	PE cover
F	Top cutout	Plate cover
G	Hole for drain piping (for left back)	(Knock out)

Note (1) The model name label is attached on the fan casing inside the air return grille.

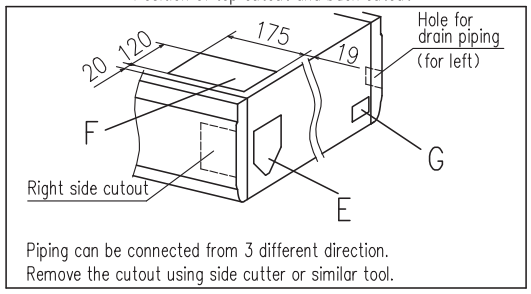
Unit: mm

Space for installation and service



Make a space of 5000 or more between the units when installing more than one.

Position of top cutout and back cutout



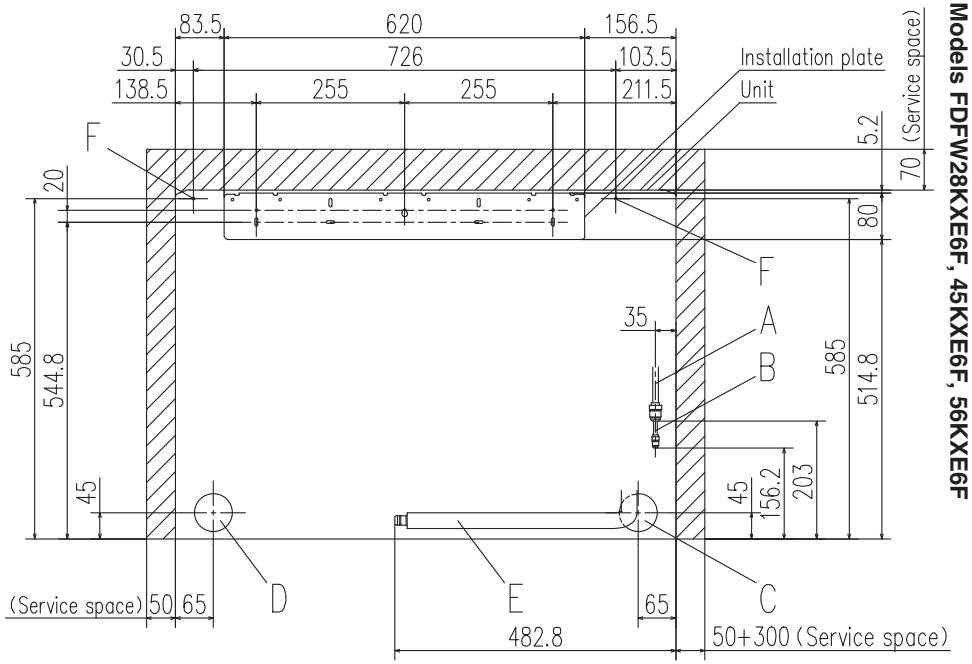
Piping can be connected from 3 different direction.
Remove the cutout using side cutter or similar tool.

PFA003Z825 B

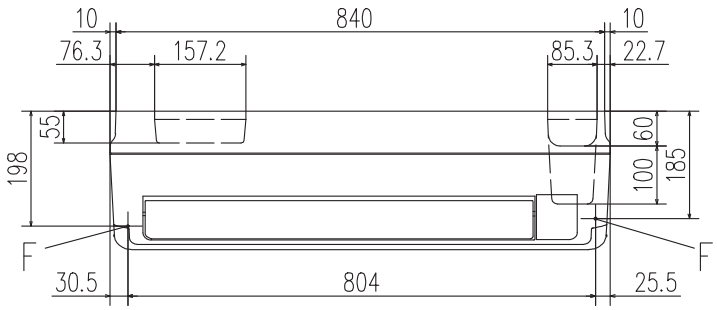
(I) Floor standing-2 way type (FDFW)

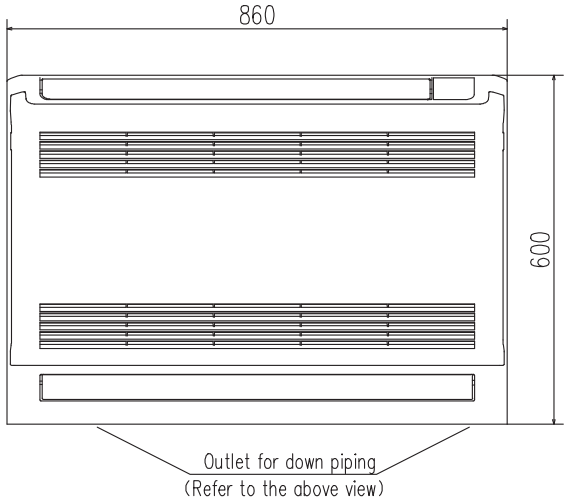
Models FDFW28KXE6F, 45KXE6F, 56KXE6F

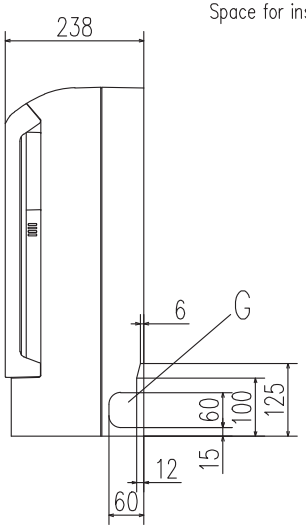
Symbol	Content		
	Model	28	45,56
A	Gas piping	ϕ9.52 (3/8") (Flare)	ϕ12.7 (1/2") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)	
C	Hole on wall for right rear piping	(ϕ65)	
D	Hole on wall for left rear piping	(ϕ65)	
E	Drain hose	VP16	
F	Screw point fasten the indoor unit	ϕ5	
G	Outlet for piping (on both side)		



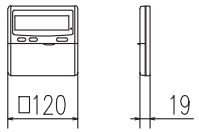
Space for installation and service when viewing from the front



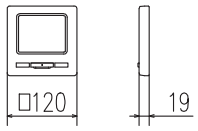




Remote controller
(Option)



Remote controller
(Option)

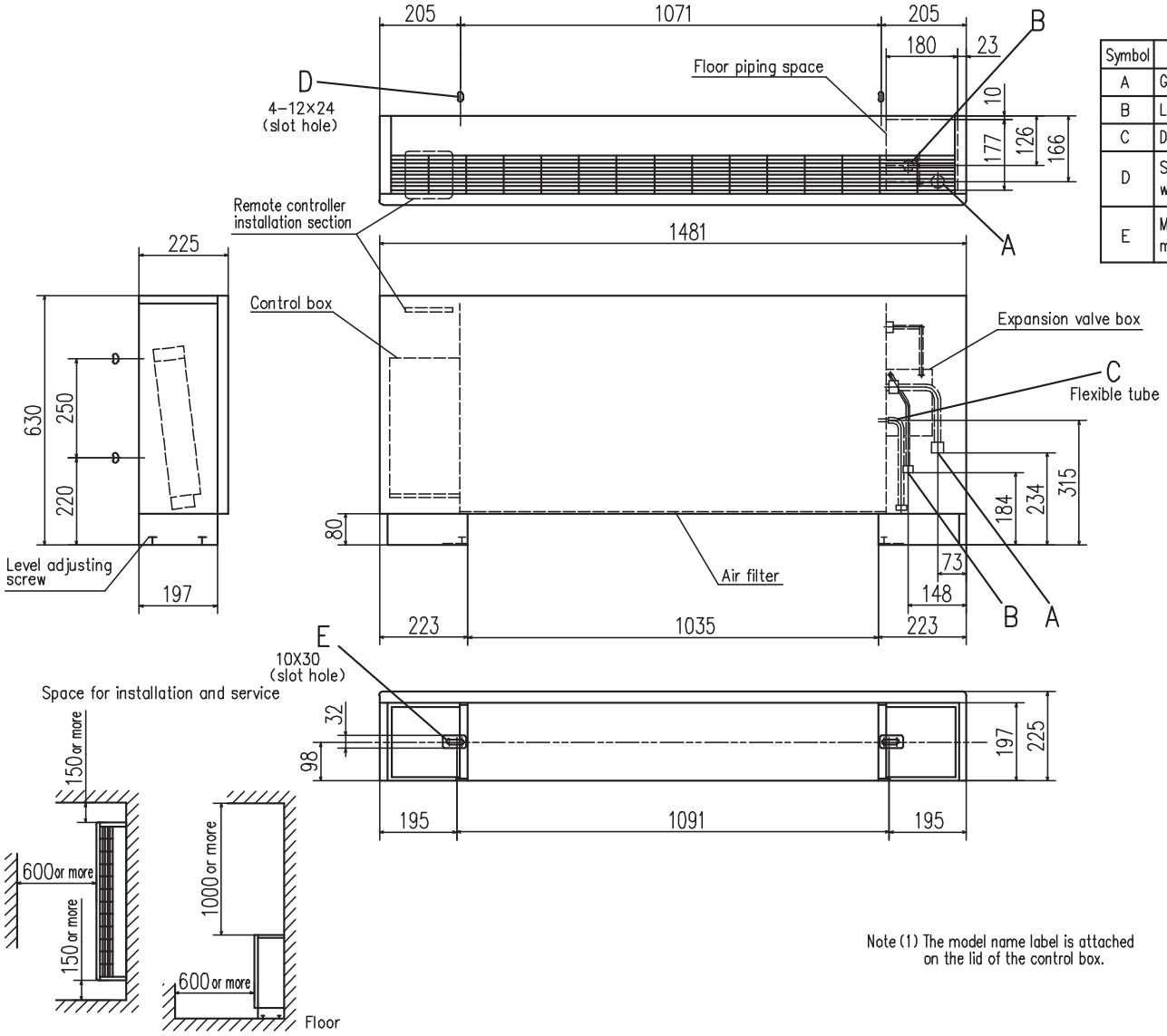


Notes
(1) The model name label is attached on the rightside of the unit.
(2) In case of wall installation, leave the unit 150mm or less from the floor.

Unit: mm

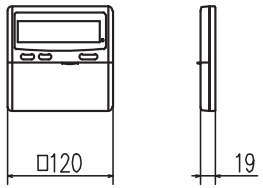
PGF000Z003 B

(m) Floor standing (with casing) type (FDFL)
Model FDFL71KXE6F

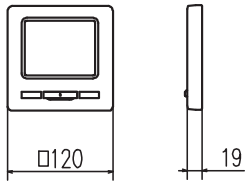


Symbol	Content	
A	Gas piping (Accessory)	ϕ15.88 (5/8") (Flare)
B	Liquid piping	ϕ9.52 (3/8") (Flare)
C	Drain piping (Accessory)	PT20A female screw, 360mm
D	Slot hole for wall mounting	(M10)
E	Metal plate for floor mounting (Accessory)	(M8)

Remote controller
(Option)



Remote controller
(Option)



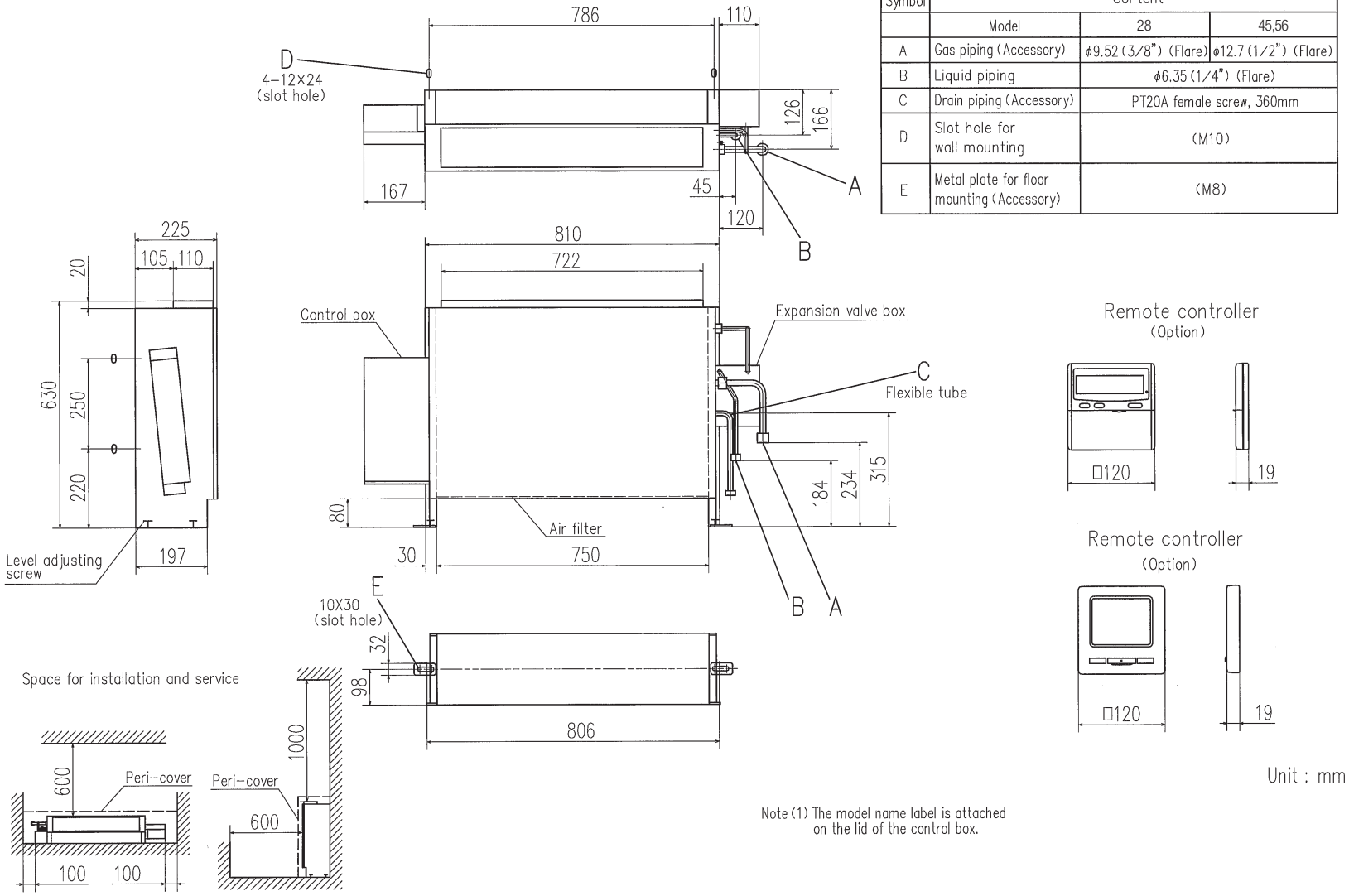
Unit : mm

Note (1) The model name label is attached on the lid of the control box.

PGD000Z052 B

(n) Floor standing (with casing) type (FDFU)
Models FDFU28KXE6F, 45KXE6F, 56KXE6F

Symbol	Content		
	Model	28	45,56
A	Gas piping (Accessory)	ϕ9.52 (3/8") (Flare)	ϕ12.7 (1/2") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)	
C	Drain piping (Accessory)	PT20A female screw, 360mm	
D	Slot hole for wall mounting	(M10)	
E	Metal plate for floor mounting (Accessory)	(M8)	

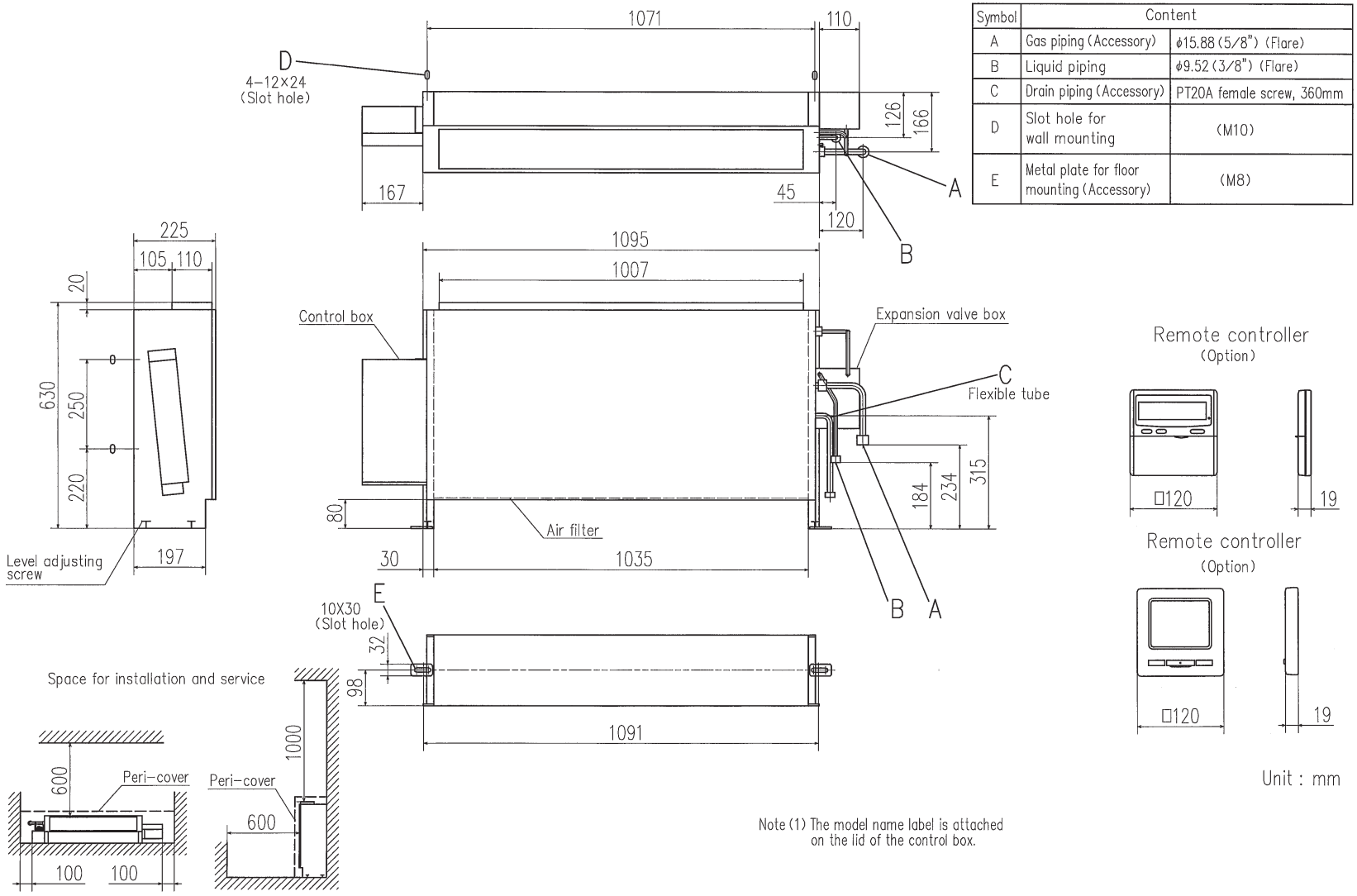


Note (1) The model name label is attached on the lid of the control box.

PGD000Z056 B

Model FDFU71KXE6F

Symbol	Content	
A	Gas piping (Accessory)	ϕ15.88 (5/8") (Flare)
B	Liquid piping	ϕ9.52 (3/8") (Flare)
C	Drain piping (Accessory)	PT20A female screw, 360mm
D	Slot hole for wall mounting	(M10)
E	Metal plate for floor mounting (Accessory)	(M8)



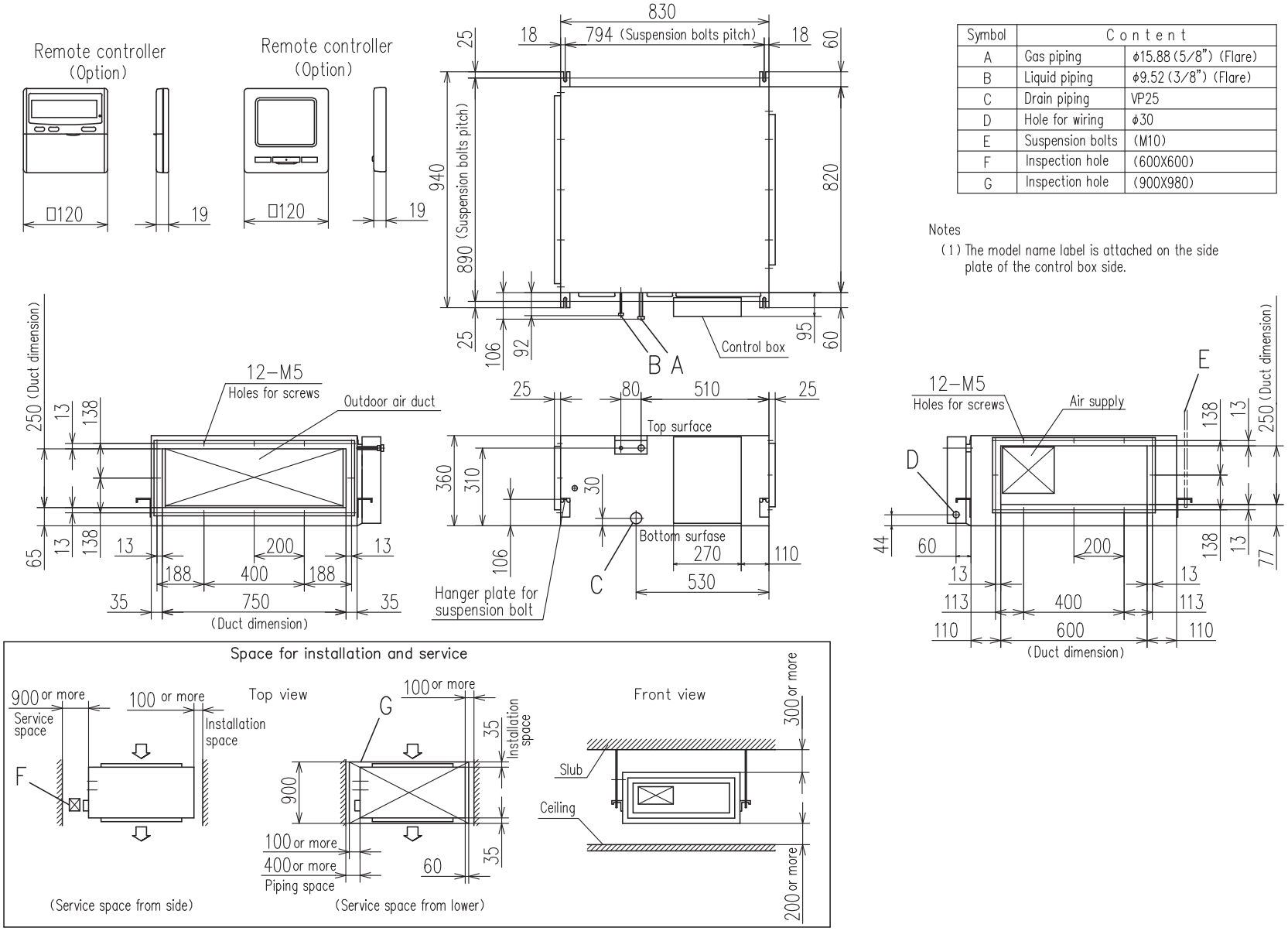
Note (1) The model name label is attached on the lid of the control box.

PGD000Z057 B

(o) Outdoor air processing unit (FDU-F)
Model FDU500FKXE6F

Symbol	Content	
A	Gas piping	ϕ15.88 (5/8") (Flare)
B	Liquid piping	ϕ9.52 (3/8") (Flare)
C	Drain piping	VP25
D	Hole for wiring	ϕ30
E	Suspension bolts	(M10)
F	Inspection hole	(600X600)
G	Inspection hole	(900X980)

Notes
(1) The model name label is attached on the side plate of the control box side.



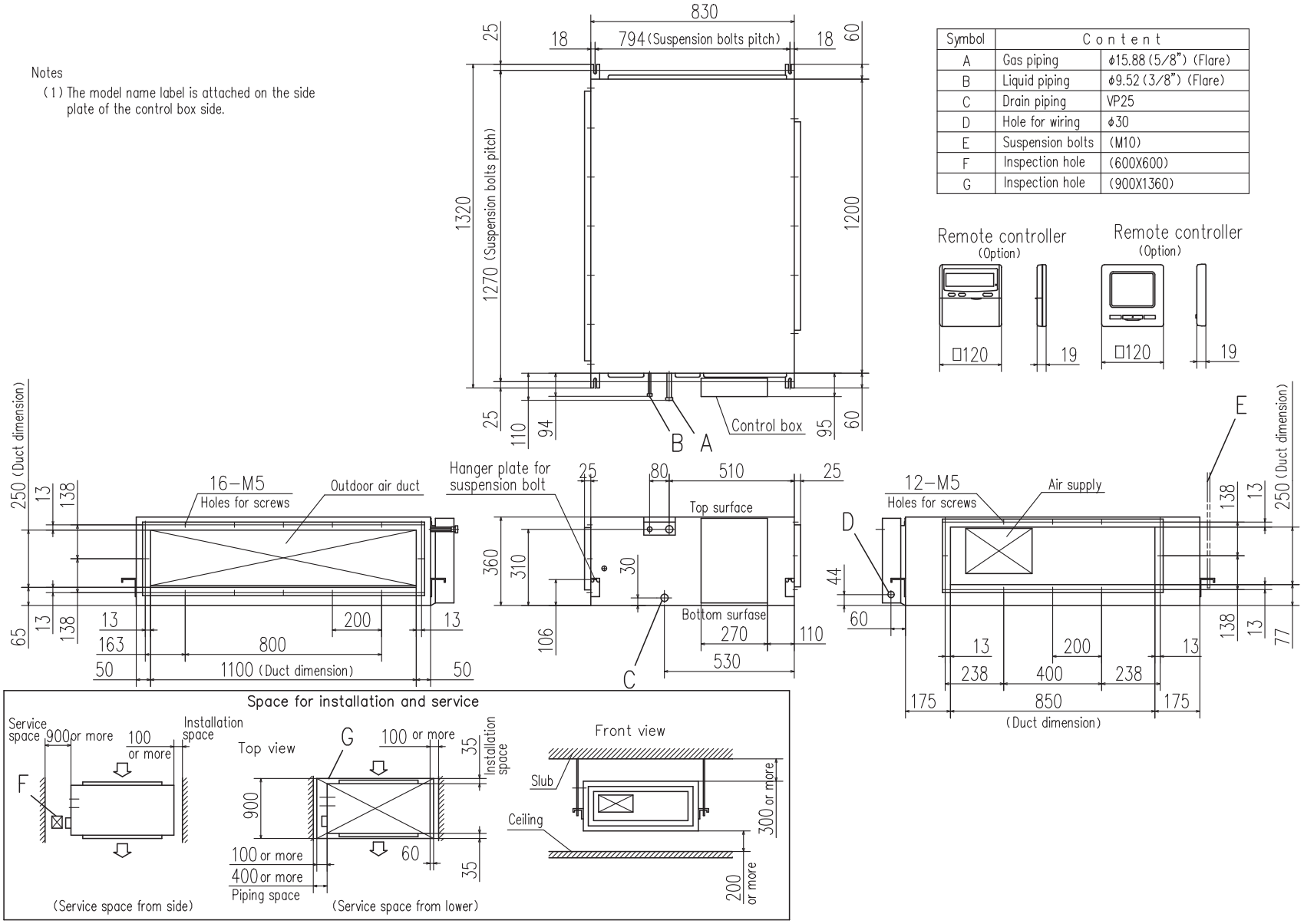
PJD001Z275 B

Model FDU850FKXE6F

Notes

(1) The model name label is attached on the side plate of the control box side.

Symbol	Content	
A	Gas piping	φ15.88 (5/8") (Flare)
B	Liquid piping	φ9.52 (3/8") (Flare)
C	Drain piping	VP25
D	Hole for wiring	φ30
E	Suspension bolts	(M10)
F	Inspection hole	(600X600)
G	Inspection hole	(900X1360)

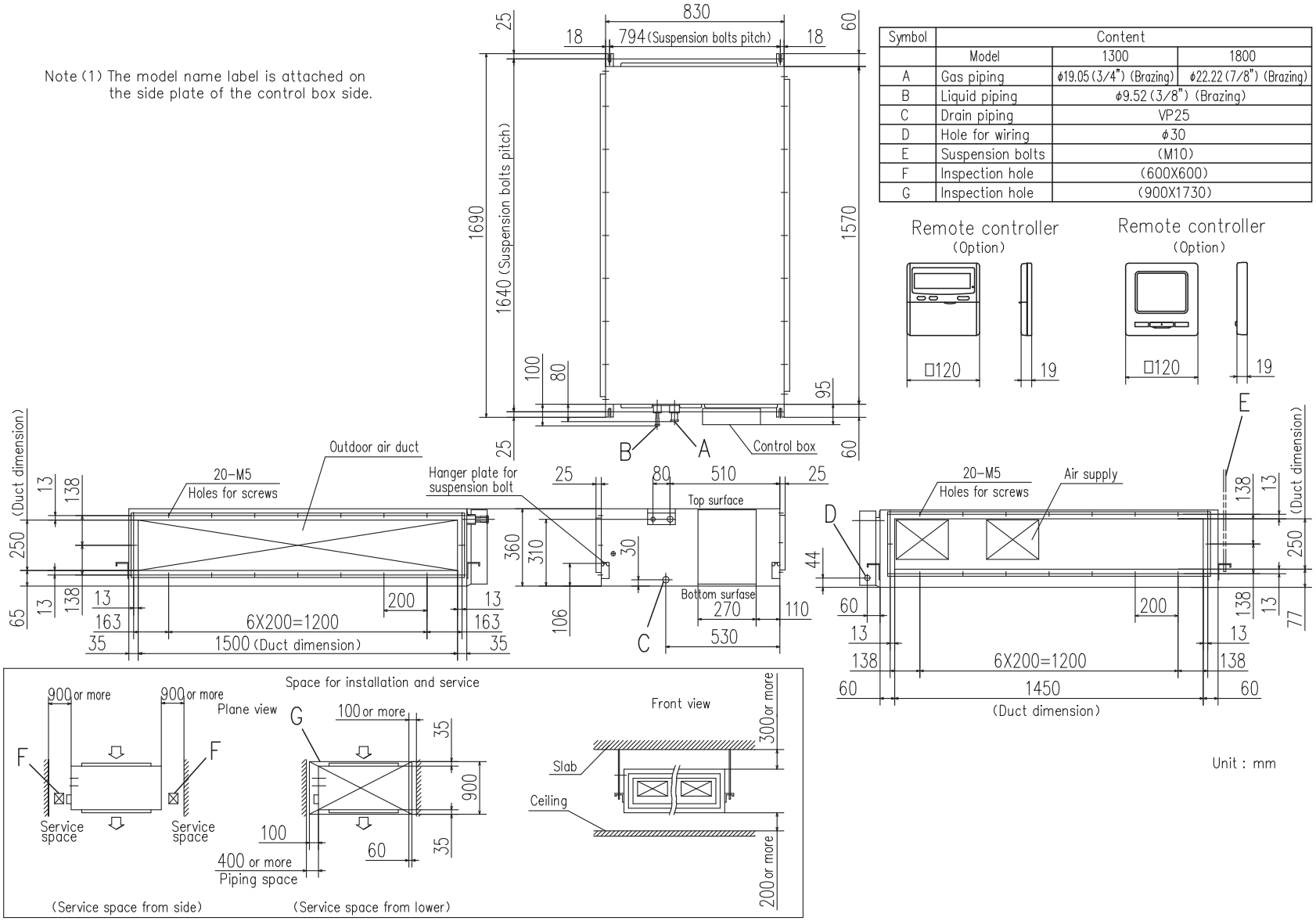


PJD001Z276 B

Models FDU1300FKXE6F, 1800FKXE6F

Note (1) The model name label is attached on the side plate of the control box side.

Symbol	Content		
	Model	1300	1800
A	Gas piping	φ19.05 (3/4") (Brazing)	φ22.22 (7/8") (Brazing)
B	Liquid piping	φ9.52 (3/8") (Brazing)	
C	Drain piping	VP25	
D	Hole for wiring	φ30	
E	Suspension bolts	(M10)	
F	Inspection hole	(600X600)	
G	Inspection hole	(900X1730)	

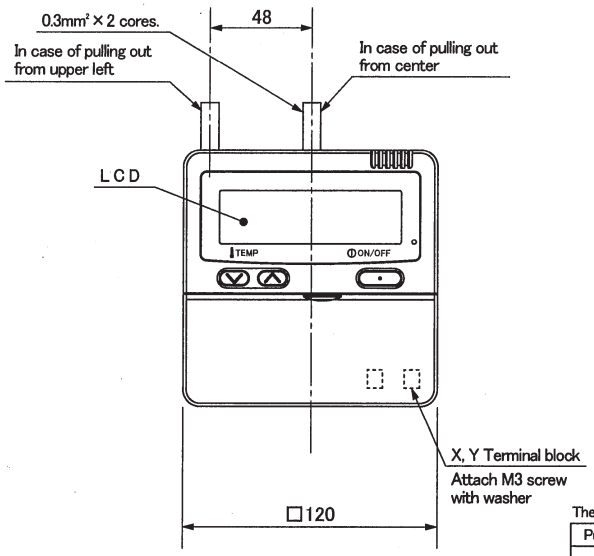


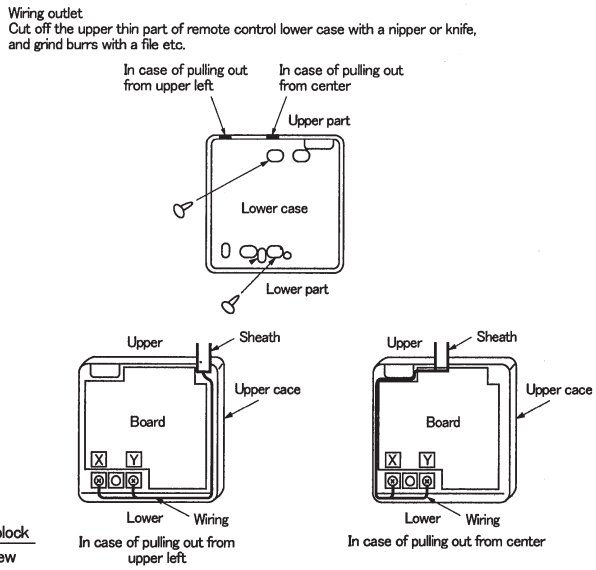
PJD001Z277 B

(2) Remote controller (Optional parts)

• Wired remote controller (Model : RC-E5)

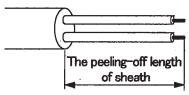
Exposed mounting



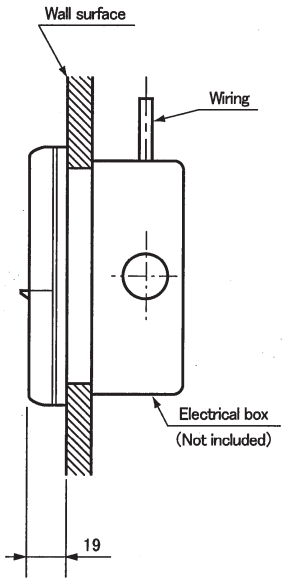


The peeling-off length of sheath

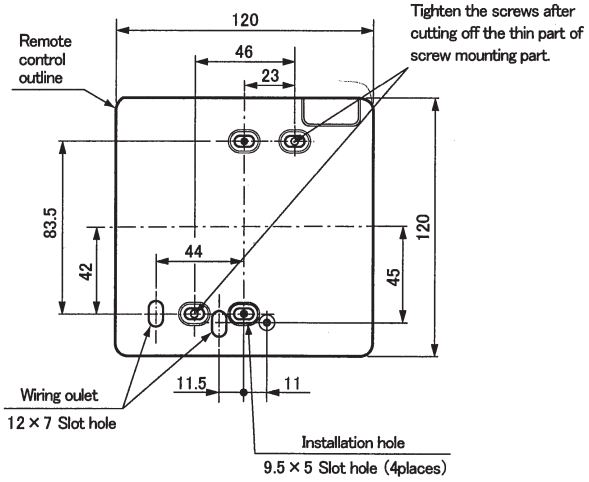
Pulling out from upper left	Pulling out from center
X wiring : 215mm Y wiring : 195mm	X wiring : 170mm Y wiring : 190mm



Embedded mounting



Remote control installation dimensions



(1) Installation screw for remote control
M4 Screw (2 pieces)

Unit:mm

Wiring specifications

(1) If the prolongation is over 100m, change to the size below.
But, wiring in the remote controller case should be under 0.5mm². Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.

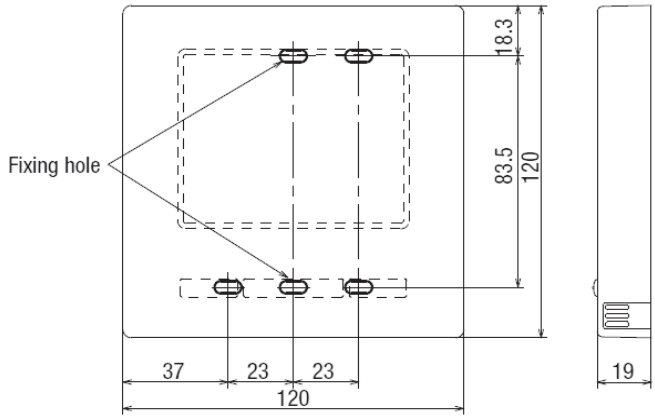
Length	Wiring thickness
100 to 200m	0.5mm² × 2 cores
Under 300m	0.75mm² × 2 cores
Under 400m	1.25mm² × 2 cores
Under 600m	2.0mm² × 2 cores

Adapted to **RoHS** directive

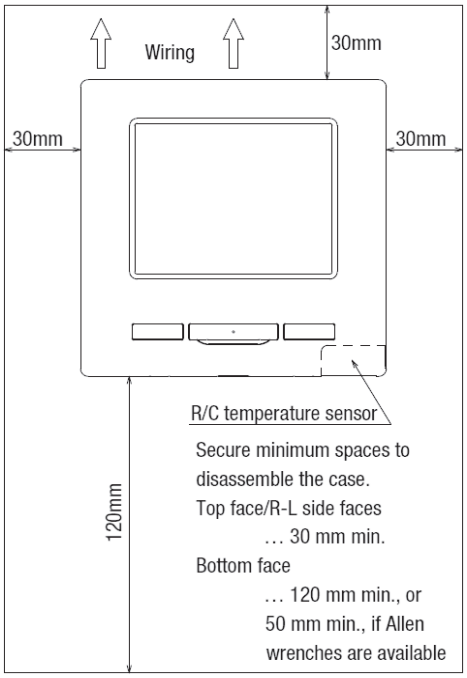
PJZ000Z274 a

• Wired remote controller (Model : RC-EX1A)

Dimensions (Viewed from front)



Installation space



Cautions for selecting installation place

(1) Installation surface must be flat and sufficiently strong. R/C case must not be deformed.

(2) Where the R/C can detect room temperatures accurately
This is a must when detecting room temperatures with the temperature sensor of R/C.
- Install the R/C where it can detect the average temperature in the room.
- Install the R/C sufficiently separated from a heat source.
- Install the R/C where it will not be influenced by the turbulence of air when the door is opened or closed.

Select a place where the R/C is not exposed to direct sunlight or blown by winds from the air conditioner or temperatures on the wall surface will not deviate largely from indoor air temperatures.

R/C cable: 0.3mm^2 × 2-core

When the cable length is longer than 100 m, the max size for wires used in the R/C case is 0.5 mm^2. Connect them to wires of larger size near the outside of R/C. When wires are connected, take measures to prevent water, etc. from entering inside.

< 200 m	0.5 mm^2 x 2-core
< 300 m	0.75 mm^2 x 2-core
< 400 m	1.25 mm^2 x 2-core
< 600 m	2.0 mm^2 x 2-core

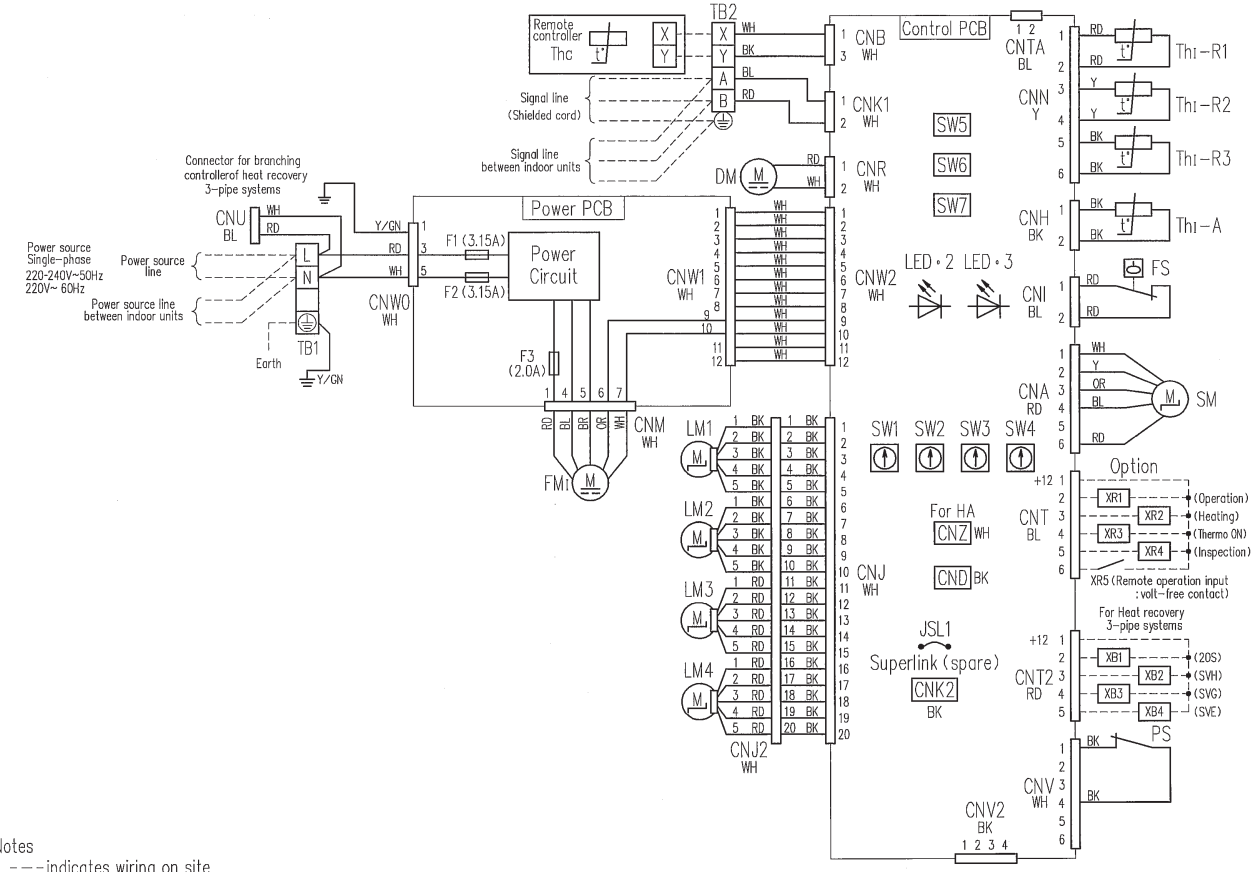
Adapted to **RoHS** directive

PJD000Z297 a

2.3 Electrical wiring

(a) Ceiling cassette-4 way type (FDT)

Models All models



CNA~Z	Connector
DM	Drain motor
F1~3	Fuse
FM1	Fan motor
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED • 2	Indication lamp (Green–Normal operation)
LED • 3	Indication lamp (Red–Inspection)
LM1~4	Louver motor
PS	Panel switch
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address : tens place
SW2	Indoor unit address : ones place
SW3	Outdoor unit address : tens place
SW4	Outdoor unit address : ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address : hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Th1–A	Thermistor (Return air)
Th1–R1,2,3	Thermistor (Heat exchanger)

Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	Y	Yellow
OR	Orange	Y/GN	Yellow/Green

Notes
1. - - - indicates wiring on site.
2. Use twin core shielded cord (0.75~1.25mm^2) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cord (0.3mm^2) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

(b) Ceiling cassette-4 way Compact type (FDTC)

Models All moddels

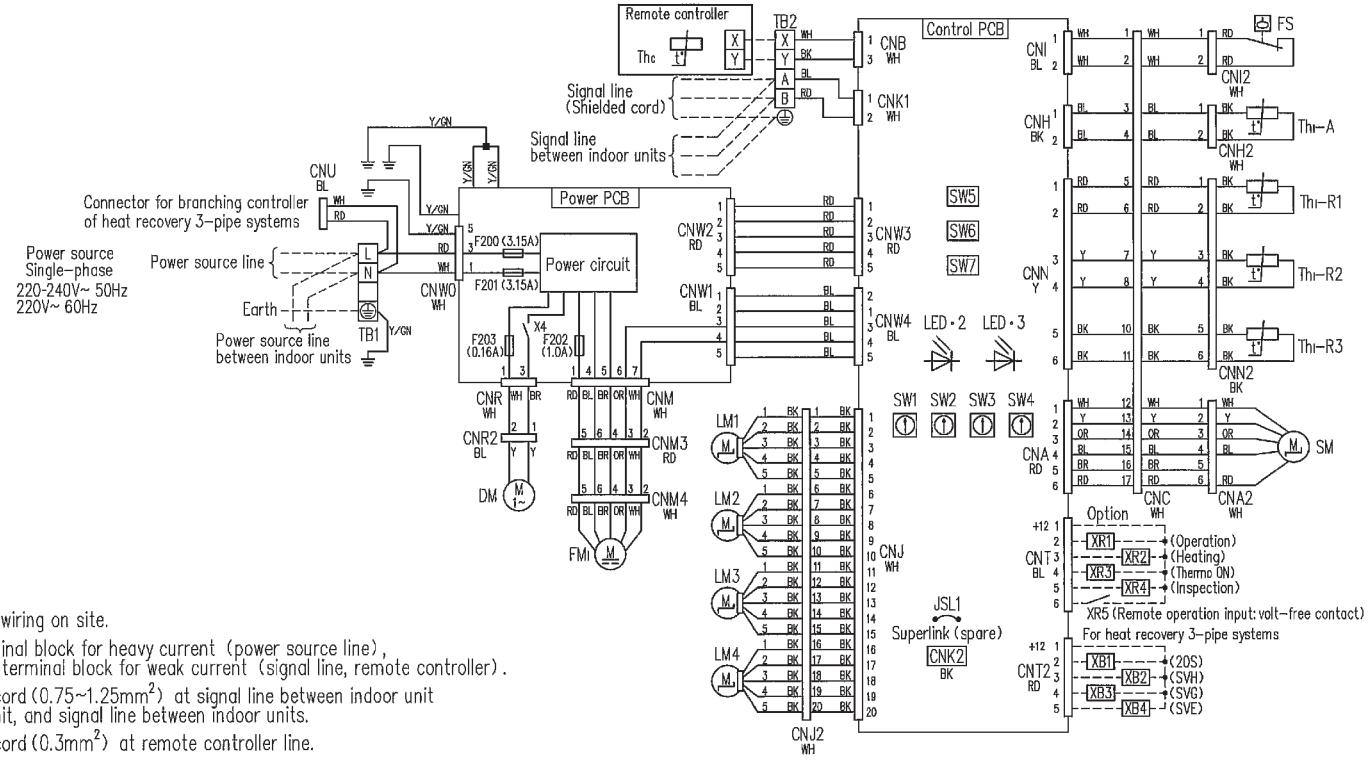
CNA~Z	Connector
DM	Drain motor
F200~203	Fuse
FM1	Fan motor
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED • 2	Indication lamp (Green–Normal operation)
LED • 3	Indication lamp (Red–Inspection)
LM1~4	Louver motor

SM	Stepping motor (For electronic expansion valve)
SW1	Indoor unit address : tens place
SW2	Indoor unit address : ones place
SW3	Outdoor unit address : tens place
SW4	Outdoor unit address : ones place
SW5–1	Automatic adjustment/Fixed preivious version of Superlink protocol
SW5–2	Indoor unit address : hundreds place
SW6	Model capacity setting

SW7–1	Operation check,Drain motor test run
TB1	Terminal block (Power source) (□ mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Th1-A	Thermistor (Return air)
Th1-R1, 2, 3	Thermistor (Heat exchanger)
X4	Relay for DM
■ mark	Closed–end connector

Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
OR	Orange
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green



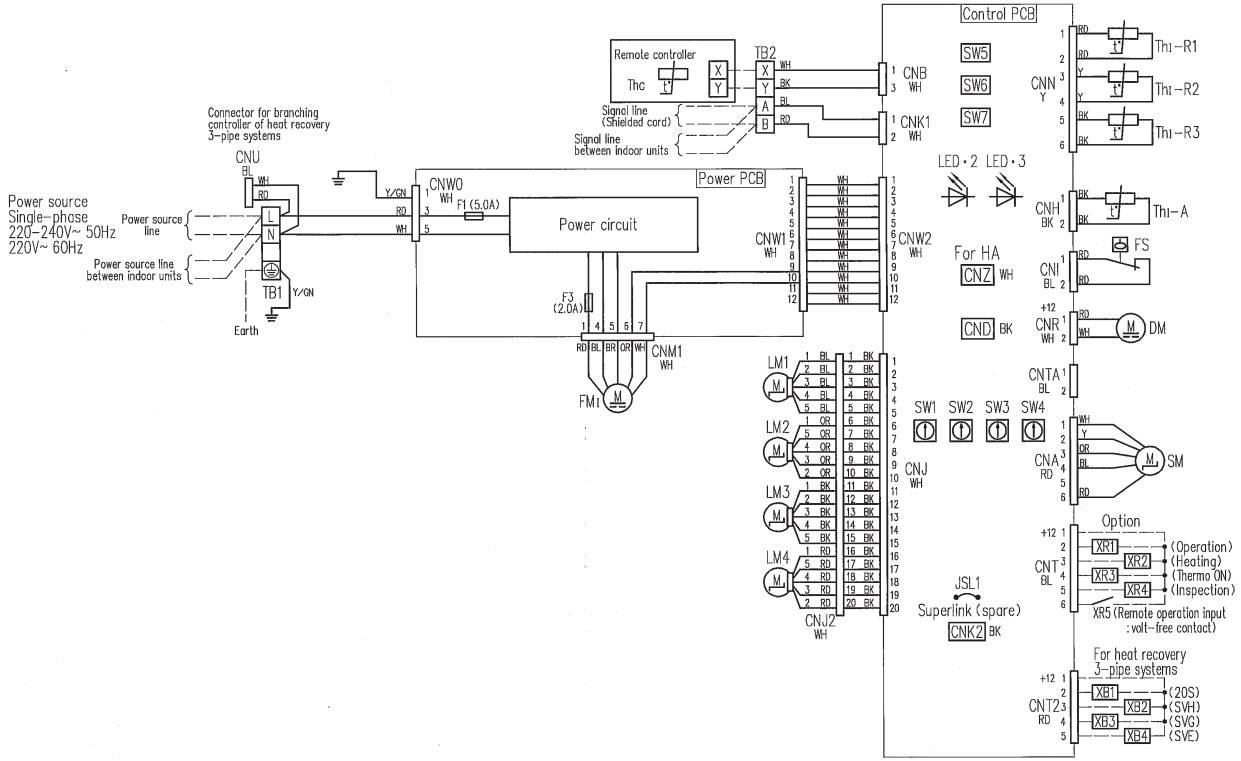
Notes

1. ----indicates wiring on site.
2. TB1 is the terminal block for heavy current (power source line), and TB2 is the terminal block for weak current (signal line, remote controller).
2. Use twin core cord (0.75~1.25mm^2) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cord (0.3mm^2) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PJA003Z341 B

(c) Ceiling cassette-2 way type (FDTW)

Models FDTW28KXE6F, 45KXE6F, 56KXE6F, 71KXE6F



CNA~Z	Connector (□ mark)
DM	Drain motor
F1 (5.0A), F3 (2.0A)	Fuse
FM1	Fan motor
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED・2	Indication lamp (Green–Normal operation)
LED・3	Indication lamp (Red–Inspection)
LM1~4	Louver motor
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□ mark)
TB2	Terminal block (Signal line) (□ mark)
Thc	Thermistor (Remote controller)
Th1–A	Thermistor (Return air)
Th1–R1,2,3	Thermistor (Heat exchanger)

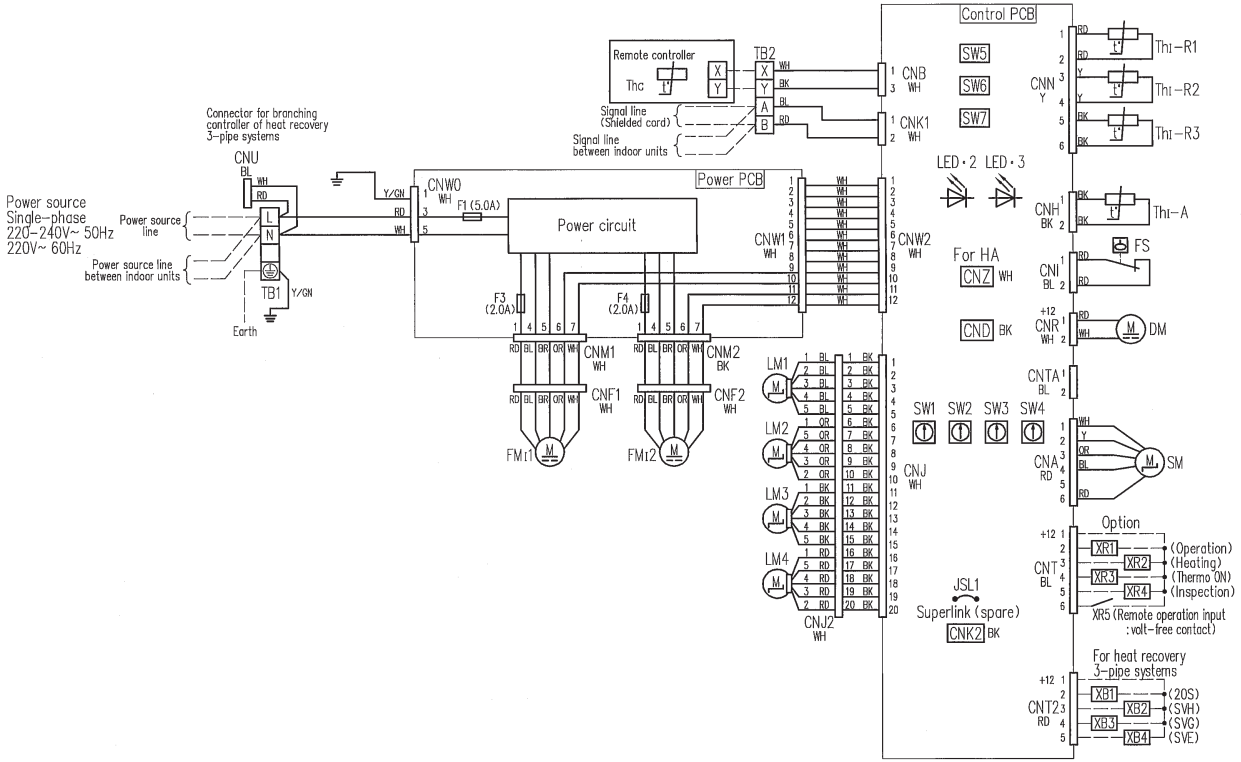
Color marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
OR	Orange
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green

Notes

1. —— indicates wiring on site.
2. Use twin core shielded cord (0.75~1.25mm^2) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cord (0.3mm^2) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PJB001Z715 B



CNA~Z	Connector (□ mark)
DM	Drain motor
F1 (5.0A) F3 (2.0A), F4 (2.0A)	Fuse
FM1 1, 2	Fan motor
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED・2	Indication lamp (Green-Normal operation)
LED・3	Indication lamp (Red-Inspection)
LM1~4	Louver motor
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5-1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5-2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□ mark)
TB2	Terminal block (Signal line) (□ mark)
Thc	Thermistor (Remote controller)
Th1-A	Thermistor (Return air)
Th1-R1, 2, 3	Thermistor (Heat exchanger)

Color marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
OR	Orange
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green

Notes

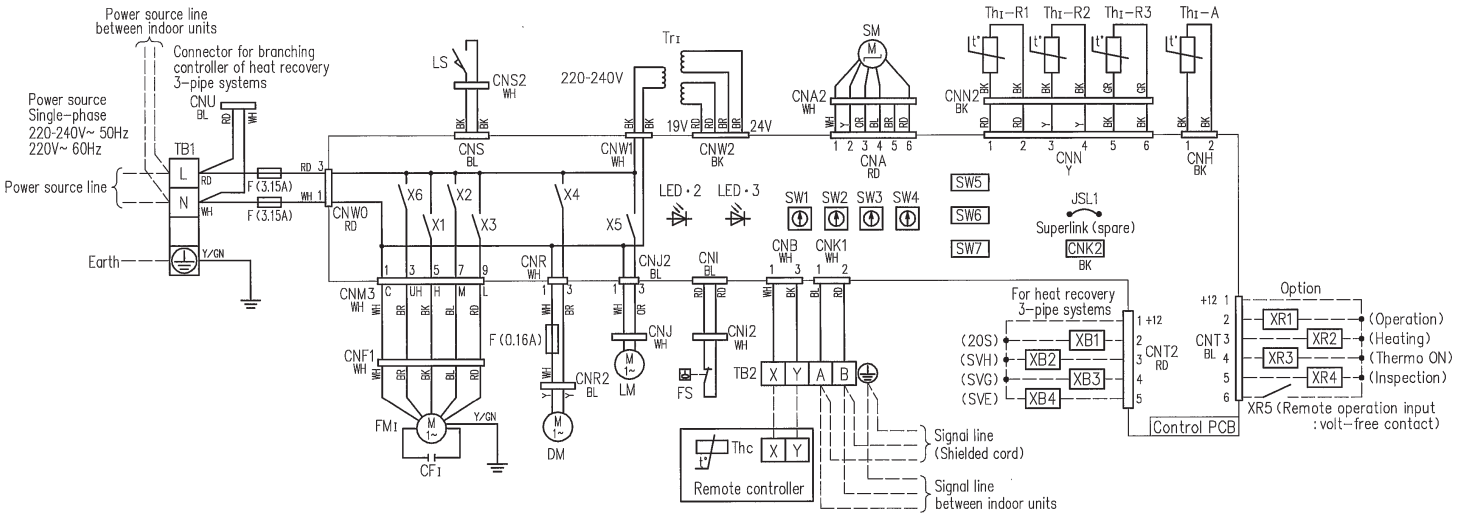
1. —— indicates wiring on site.
2. Use twin core shielded cord (0.75~1.25mm^2) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cord (0.3mm^2) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PJB001Z716 B

(d) Ceiling cassette-1 way compact type (FDTQ)

(1) Direct blow type

Models All models



Notes
1. —— indicates wiring on site.
2. Use twin core cord (0.75~1.25mm^2) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cord (0.3mm^2) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

CF1	Capacitor for FM1
CNA~Z	Connector
DM	Drain motor
F	Fuse
FM1	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED・2	Indication lamp (Green–Normal operation)
LED・3	Indication lamp (Red–Inspection)
LM	Louver motor
LS	Louver switch

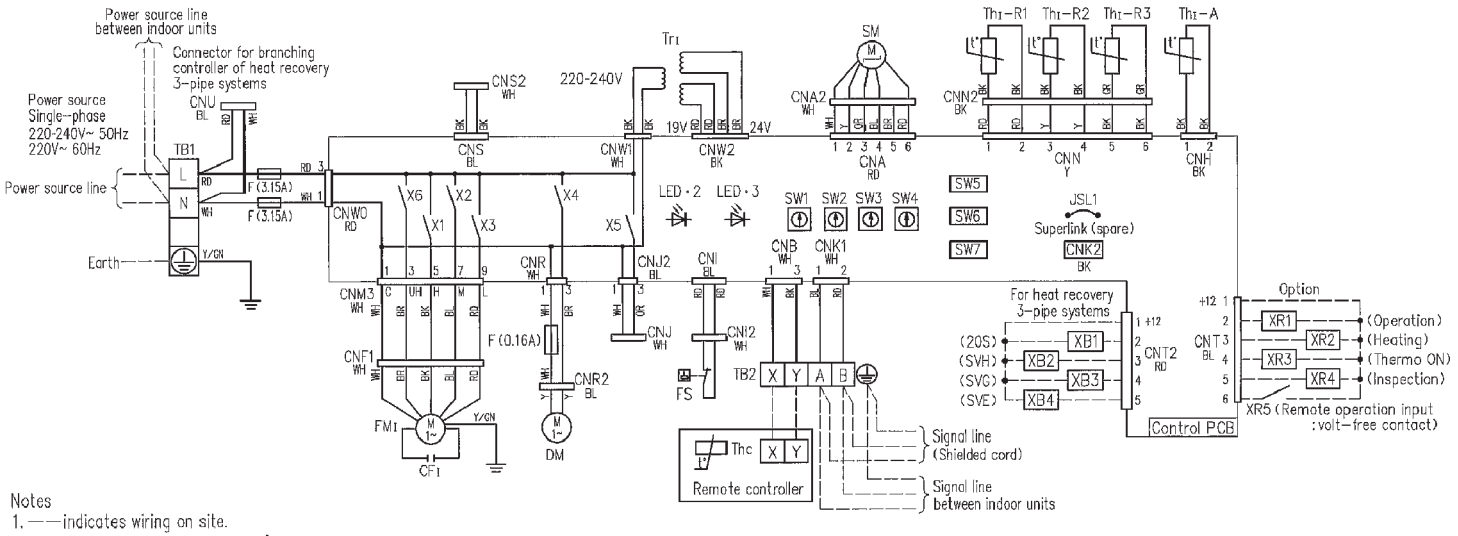
SM	Stepping motor (For electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed preivious version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run

TB1	Terminal block (Power source) (□ mark)
TB2	Terminal block (Signal line) (□ mark)
Thc	Thermistor (Remote controller)
Th1-A	Thermistor (Return air)
Th1-R1, 2, 3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3,6	Relay for FM
X4	Relay for DM
X5	Relay for LM

Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	Y	Yellow
GR	Gray	Y/GN	Yellow/Green
OR	Orange		

(2) Duct type
Models All models



Notes
1. ——indicates wiring on site.
2. Use twin core cord (0.75~1.25mm^2) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cord (0.3mm^2) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

Changing the fan tap

The factory setting of the fan tap is "Standard".
Change the fan tap to "High Speed 1" by using the function setting of the wired remote controller.

CATEGORY	NUMBER	FUNCTION	SETTING
I/U FUNCTION	02	FAN SPEED SET	HIGH SPEED 1

Invalidating the louver button

The factory setting of the louver button is "Valid".
Change the louver button to "Invalid" by using the function setting of the wired remote controller.

CATEGORY	NUMBER	FUNCTION	SETTING
FUNCTION (REMOTE CONTROLLER FUNCTION)	07	LOUVER SW	INVALID

Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	Y	Yellow
GR	Gray	Y/GN	Yellow/Green
OR	Orange		

CF1	Capacitor for FM1
CNA~Z	Connector
DM	Drain motor
F	Fuse
FM1	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED • 2	Indication lamp (Green–Normal operation)
LED • 3	Indication lamp (Red–Inspection)

SM	Stepping motor (For electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5-1	Automatic adjustment/Fixed preivious version of Superlink protocol
SW5-2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run

TB1	Terminal block (Power source) (□ mark)
TB2	Terminal block (Signal line) (□ mark)
Thc	Thermistor (Remote controller)
Th1-A	Thermistor (Return air)
Th1-R1, 2, 3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3,6	Relay for FM
X4	Relay for DM
X5	Relay for LM

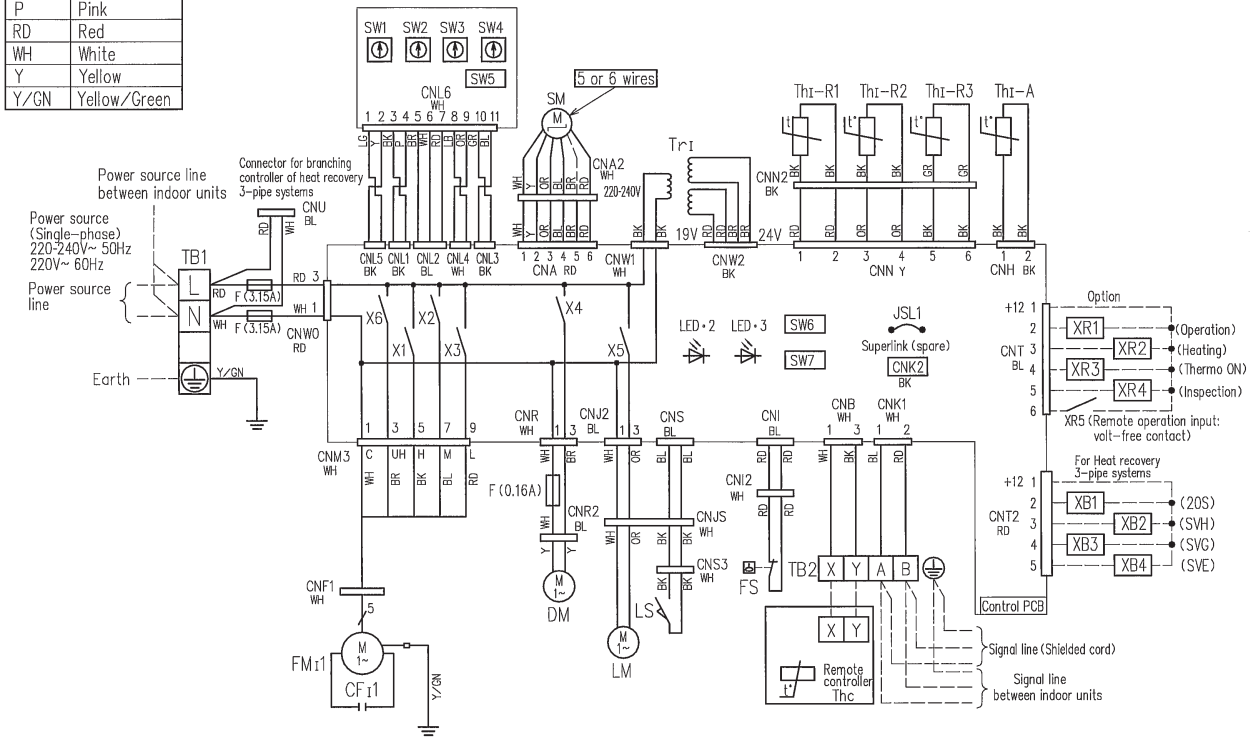
PJC001Z281 A

(e) Ceiling cassette-1 way type (FDTS)
Model FDTS45KXE6D

CF I 1	Capacitor for FMI
CNA~Z	Connector
DM	Drain motor
F	Fuse
FM I 1	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED • 2	Indication lamp (Green–Normal operation)
LED • 3	Indication lamp (Red–Inspection)
LM	Louver motor
LS	Louver switch
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Th I-A	Thermistor (Return air)
Th I-R1, 2, 3	Thermistor (Heat exchanger)
Tr I	Transformer
X1~3,6	Relay for FM
X4	Relay for DM
X5	Relay for LM
■mark	Closed-end connector

Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
GR	Gray
LB	Light Blue
LG	Light Green
OR	Orange
P	Pink
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green

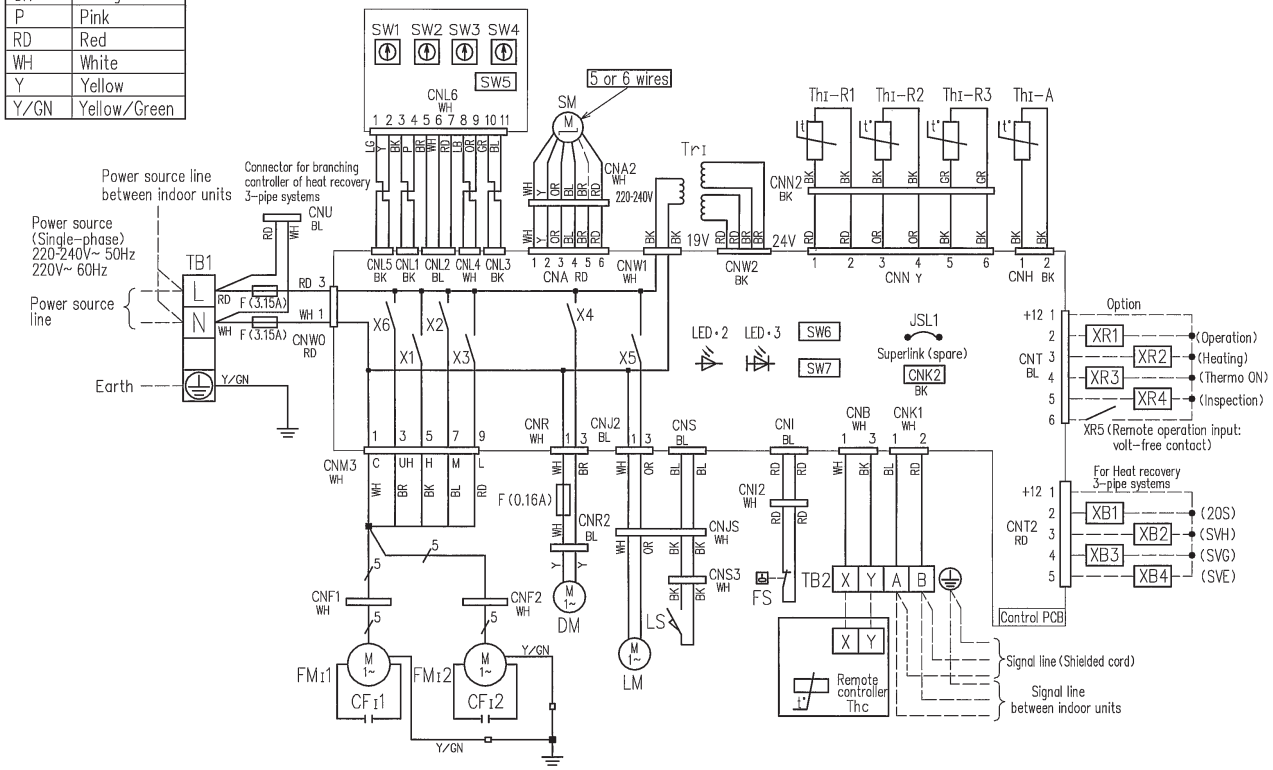


Notes 1. — — indicates wiring on site.
2. Use twin core cable (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm²) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PJC001Z195 B

Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
GR	Gray
LB	Light Blue
LG	Light Green
OR	Orange
P	Pink
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green

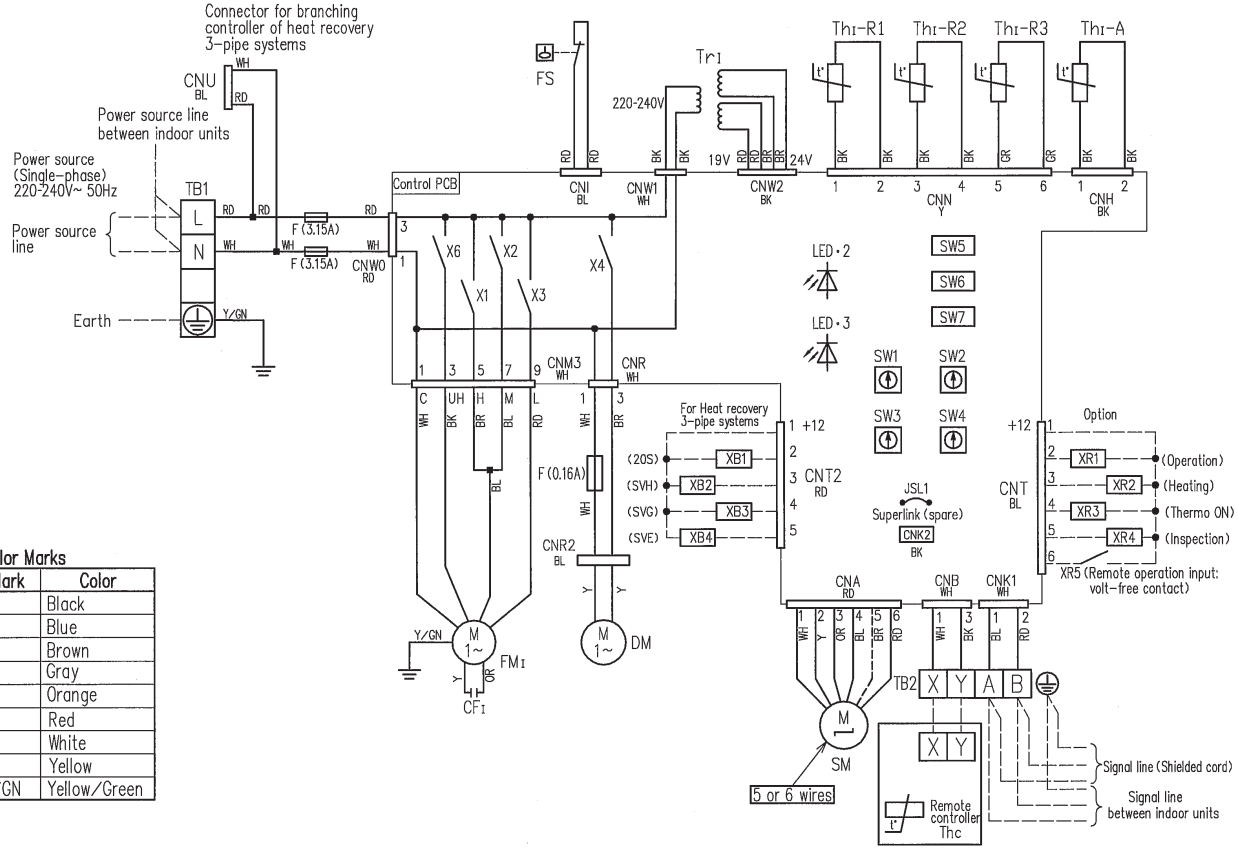


CF I 1,2	Capacitor for FM I
CNA~Z	Connector
DM	Drain motor
F	Fuse
FM I 1,2	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED • 2	Indication lamp (Green–Normal operation)
LED • 3	Indication lamp (Red–Inspection)
LM	Louver motor
LS	Louver switch
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Th I-A	Thermistor (Return air)
Th I-R1, 2, 3	Thermistor (Heat exchanger)
Tr I	Transformer
X1~3,6	Relay for FM
X4	Relay for DM
X5	Relay for LM
■mark	Closed–end connector

Notes 1. —— indicates wiring on site.
2. Use twin core cable (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm²) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PJC001Z196 B

(f) Duct connected-High static pressure type (FDU)
Model FDU71KXE6D



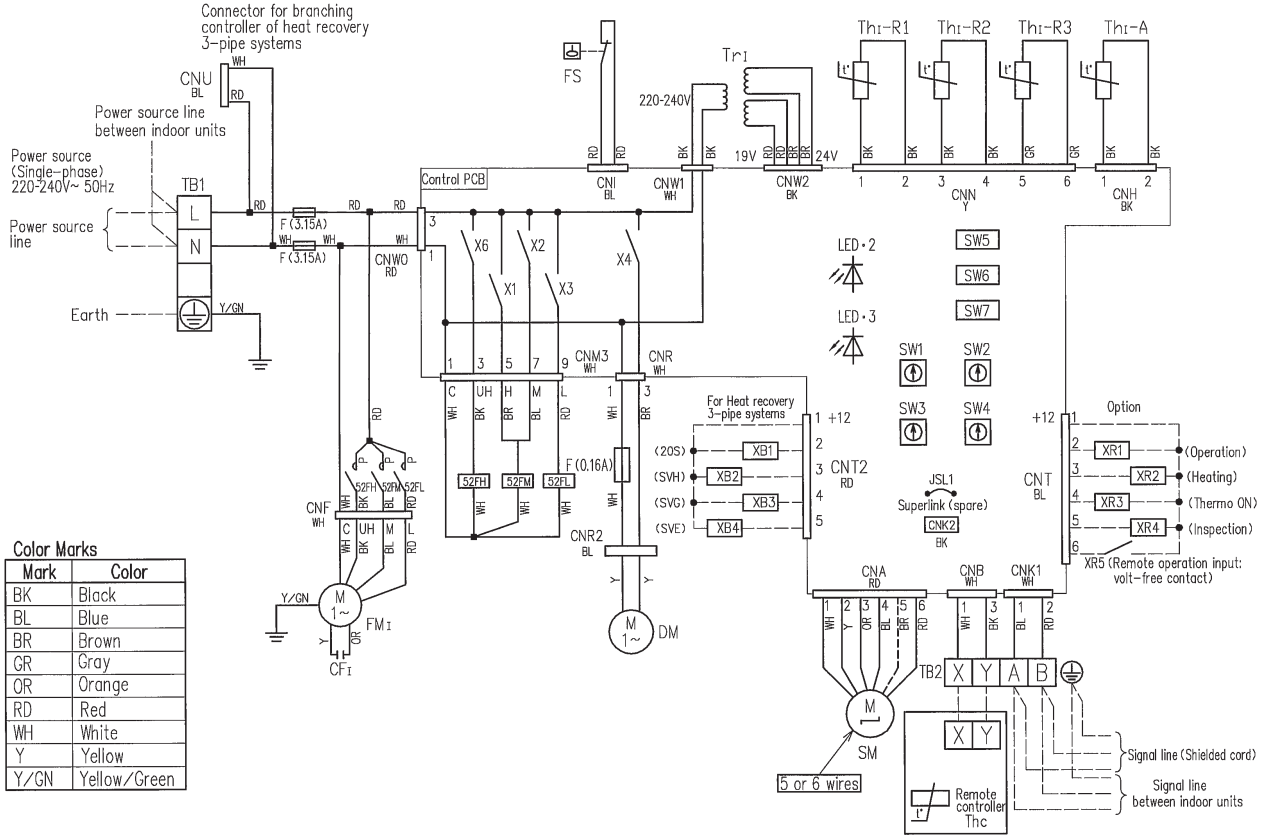
CF1	Capacitor for FM1
CNA~Z	Connector
DM	Drain motor
F	Fuse
FM1	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED•2	Indication lamp (Green–Normal operation)
LED•3	Indication lamp (Red–Inspection)
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Th1-A	Thermistor (Return air)
Th1-R1, 2, 3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3,6	Relay for FM
X4	Relay for DM
■mark	Closed–end connector

Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
GR	Gray
OR	Orange
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green

Notes 1. –– indicates wiring on site.
2. Use twin core cable (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm²) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PJD001Z305



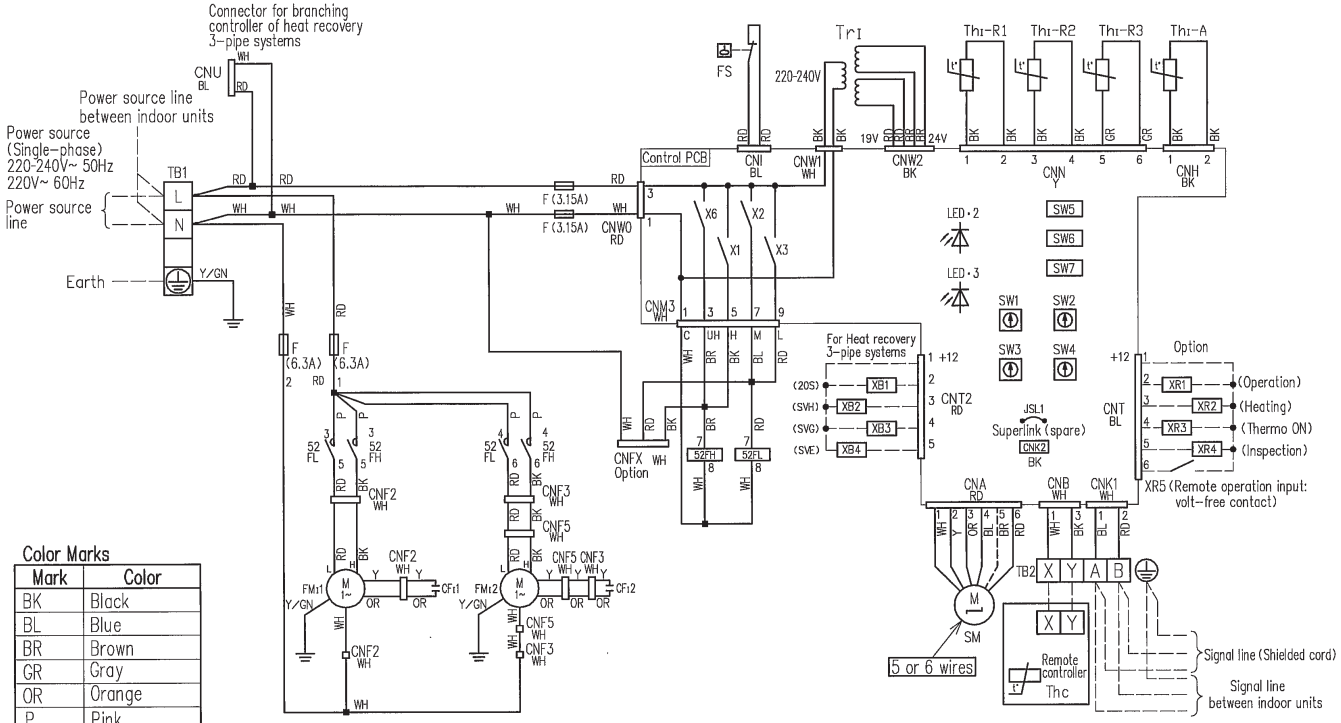
CF1	Capacitor for FM1
CNA~Z	Connector
DM	Drain motor
F	Fuse
FM1	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED・2	Indication lamp (Green–Normal operation)
LED・3	Indication lamp (Red–Inspection)
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Th1-A	Thermistor (Return air)
Th1-R1, 2, 3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3,6	Relay for FM
X4	Relay for DM
■mark	Closed–end connector
52FL,FM,FH	Electromagnetic contactor for FM1

Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
GR	Gray
OR	Orange
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green

Notes 1. — — indicates wiring on site.
2. Use twin core cable (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm²) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PJD001Z229 C



CF I 1,2	Capacitor for FM I
CNA~Z	Connector
F	Fuse
FM I 1,2	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED・2	Indication lamp (Green–Normal operation)
LED・3	Indication lamp (Red–Inspection)
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Th I-A	Thermistor (Return air)
Th I-R1, 2, 3	Thermistor (Heat exchanger)
Tr I	Transformer
X1–3,6	Relay for FM
■mark	Closed–end connector
52FL,FH	Electromagnetic contactor for FM I

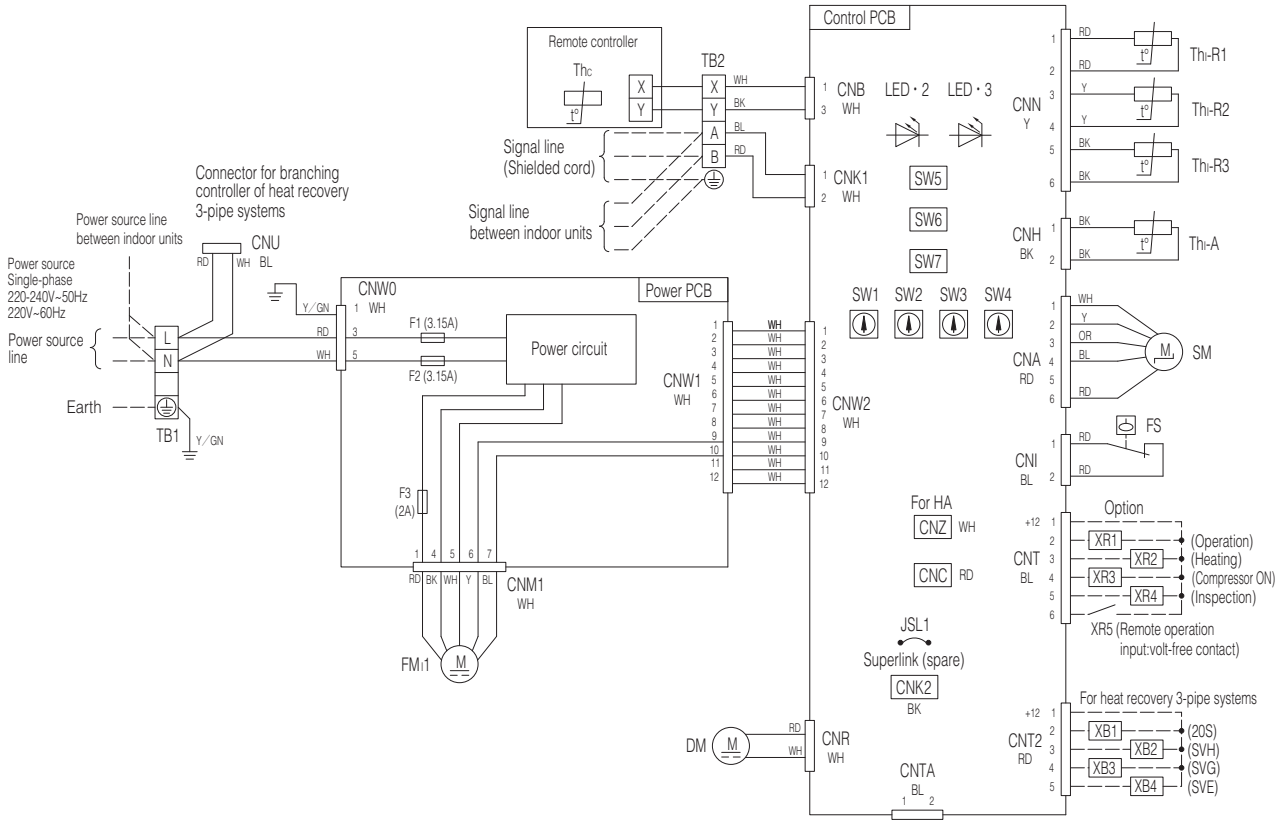
Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
GR	Gray
OR	Orange
P	Pink
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green

Notes 1. — — indicates wiring on site.
2. Use twin core cable (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm²) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PJD001Z230 △D

(g) Duct connected-Low/Middle static pressure type (FDUM)
Models FDUM22KXE6F, 28KXE6F, 36KXE6F, 45KXE6F, 56KXE6F

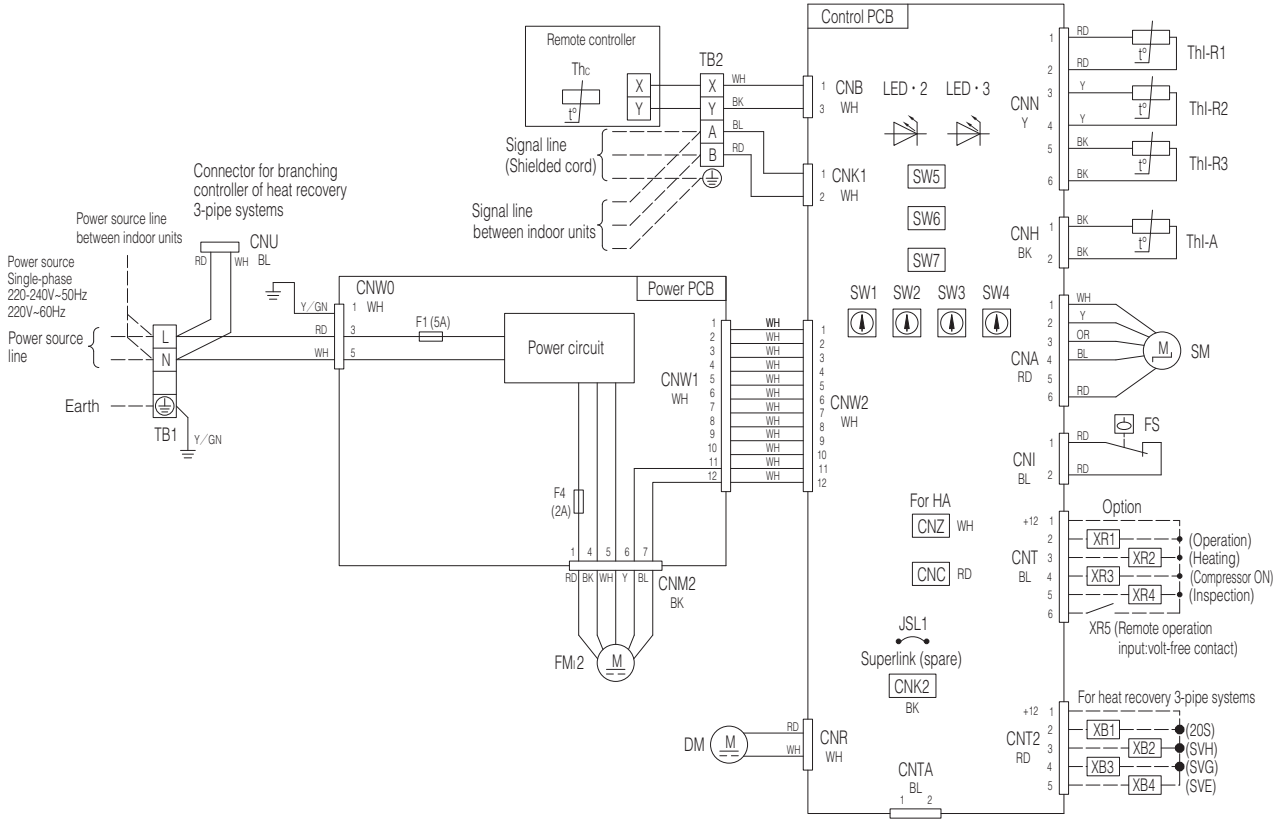


CNA~Z	Connector
DM	Drain motor
F1~3	Fuse
FMI1	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED・2	Indication lamp (Green-Normal operation)
LED・3	Indication lamp (Red-Inspection)
SM	Stepping motor (For electronic expansion valve)
SW1	Indoor unit address : tens place
SW2	Indoor unit address : ones place
SW3	Outdoor unit address : tens place
SW4	Outdoor unit address : ones place
SW5-1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5-2	Indoor unit address : hundreds place
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block〔Power source〕(□mark)
TB2	Terminal block〔Signal line〕(□mark)
Thc	Thermistor〔Remote controller〕
Thi-A	Thermistor〔Return air〕
Thi-R1,2,3	Thermistor〔Heat exchanger〕

Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	Y	Yellow
OR	Orange	Y/GN	Yellow/Green

Notes 1. - - - indicates wiring on site.
2. Use twin core cable (0.75~1.25mm^2) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm^2) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.



CNA~Z	Connector
DM	Drain motor
F1,4	Fuse
FMI2	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED・2	Indication lamp (Green-Normal operation)
LED・3	Indication lamp (Red-Inspection)
SM	Stepping motor (For electronic expansion valve)
SW1	Indoor unit address : tens place
SW2	Indoor unit address : ones place
SW3	Outdoor unit address : tens place
SW4	Outdoor unit address : ones place
SW5-1	Automatic adjustment／Fixed previous version of Superlink protocol
SW5-2	Indoor unit address : hundreds place
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block〔Power source〕(□mark)
TB2	Terminal block〔Signal line〕(□mark)
Thc	Thermistor〔Remote controller〕
ThI-A	Thermistor〔Return air〕
ThI-R1,2,3	Thermistor〔Heat exchanger〕

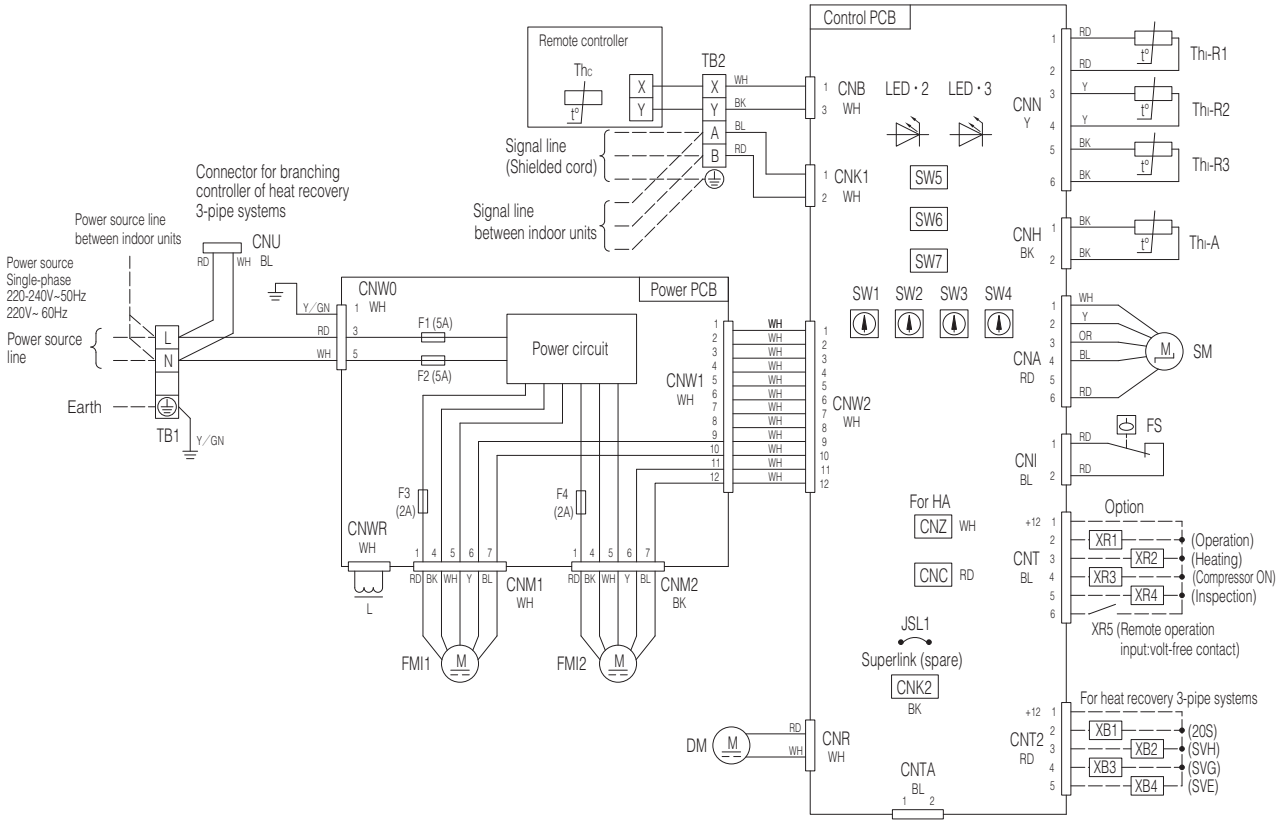
Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	Y	Yellow
OR	Orange	Y／GN	Yellow／Green

Notes 1. - - - indicates wiring on site.

2. Use twin core cable (0.75~1.25mm^2) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm^2) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PJG000Z030



CNA~Z	Connector
DM	Drain motor
F1~4	Fuse
FMI1,2	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
L	Reactor
LED・2	Indication lamp (Green-Normal operation)
LED・3	Indication lamp (Red-Inspection)
SM	Stepping motor (For electronic expansion valve)
SW1	Indoor unit address : tens place
SW2	Indoor unit address : ones place
SW3	Outdoor unit address : tens place
SW4	Outdoor unit address : ones place
SW5-1	Automatic adjustment／Fixed previous version of Superlink protocol
SW5-2	Indoor unit address : hundreds place
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	Terminal block〔Power source〕(□mark)
TB2	Terminal block〔Signal line〕(□mark)
Thc	Thermistor〔Remote controller〕
Thi-A	Thermistor〔Return air〕
Thi-R1,2,3	Thermistor〔Heat exchanger〕

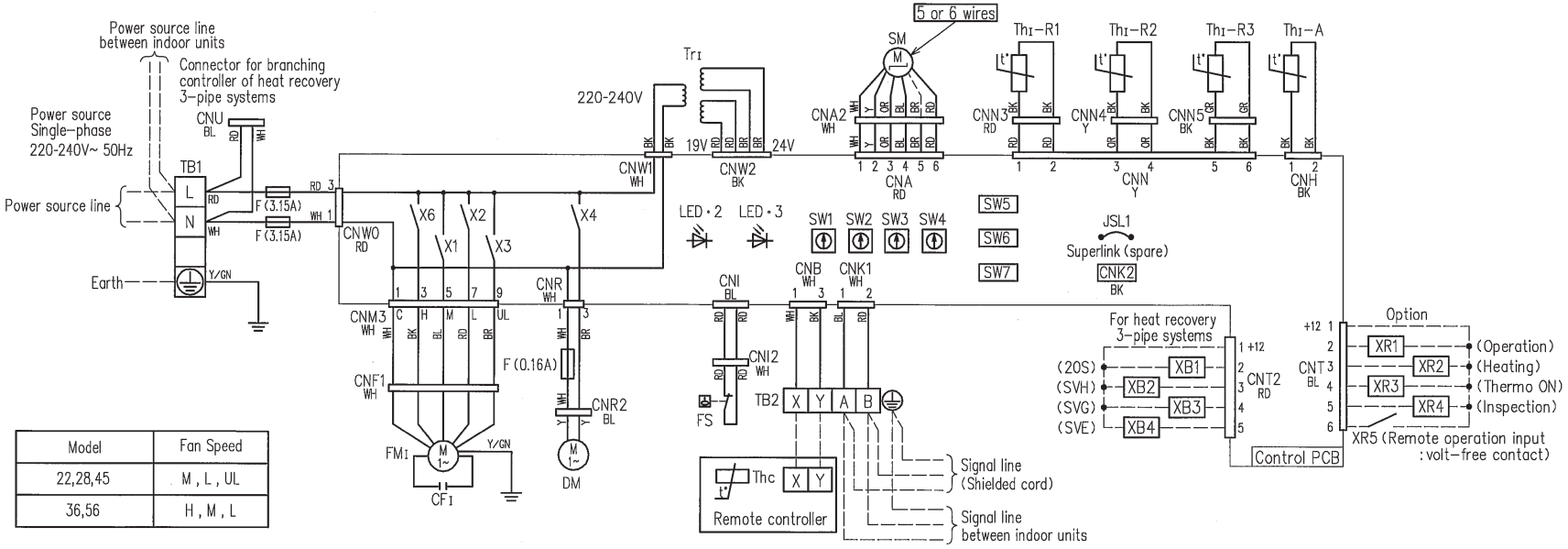
Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	Y	Yellow
OR	Orange	Y／GN	Yellow／Green

Notes 1. - - - indicates wiring on site.
2. Use twin core cable (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm²) at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
4. Do not put signal line and remote controller line alongside power source line.

PJG000Z021

(h) Duct connected (thin)-Low static pressure type (FDUT)
Models All models



Model	Fan Speed
22,28,45	M , L , UL
36,56	H , M , L

Notes
1. —— indicates wiring on site.
2. Use twin core cord (0.75~1.25mm^2) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cord (0.3mm^2) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

CFI	Capacitor for FMI
CNA~Z	Connector
DM	Drain motor
F	Fuse
FMI	Fan motor (with thermostat)
FS	Float switch
JSL1	Live Superlink terminal setting (for spare)
LED • 2	Indication lamp (Green–Normal operation)
LED • 3	Indication lamp (Red–Inspection)

SM	Stepping motor (For electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting

SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□ mark)
TB2	Terminal block (Signal line) (□ mark)
Thc	Thermistor (Remote controller)
Th1-A	Thermistor (Return air)
Th1-R1, 2, 3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3,6	Relay for FM
X4	Relay for DM

Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	Y	Yellow
GR	Gray	Y/GN	Yellow/Green
OR	Orange		

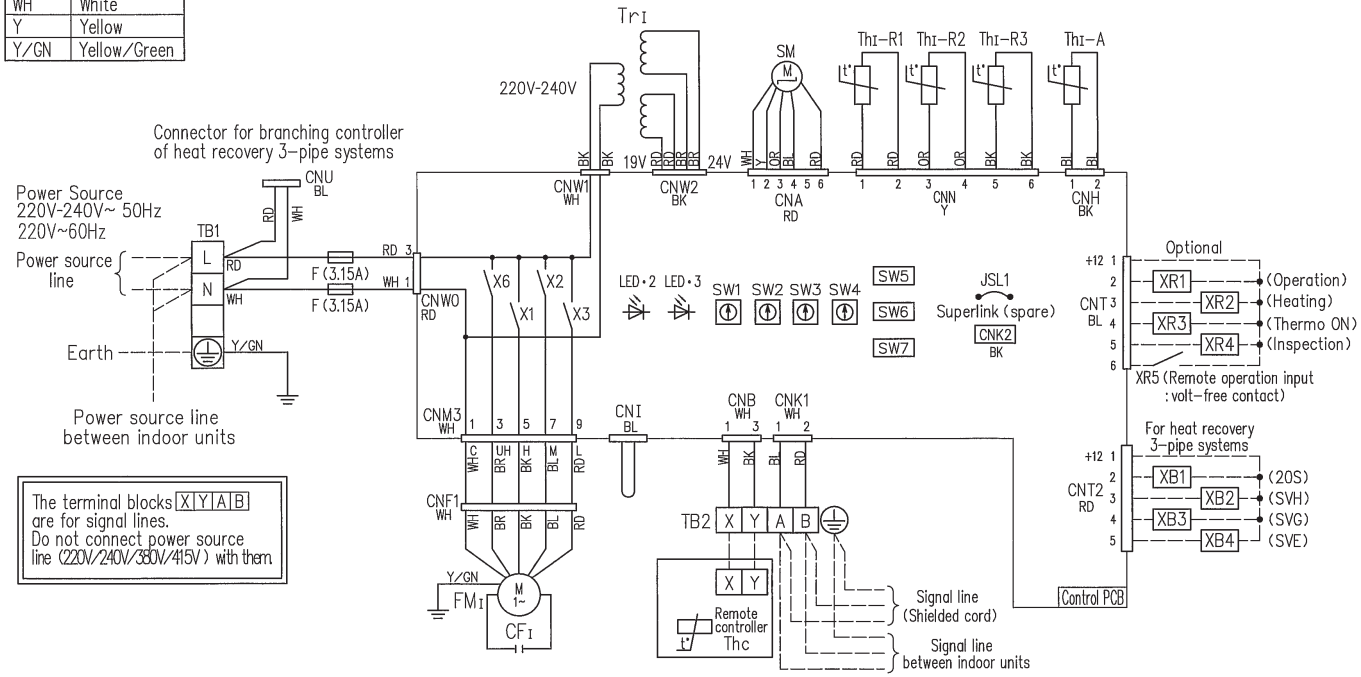
PJM000Z009 A

(i) Duct connected-Compact and Flexible type (FDUH)

Models All models

Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
OR	Orange
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green



The terminal blocks X Y A B are for signal lines. Do not connect power source line (220V/240V/380V/415V) with them.

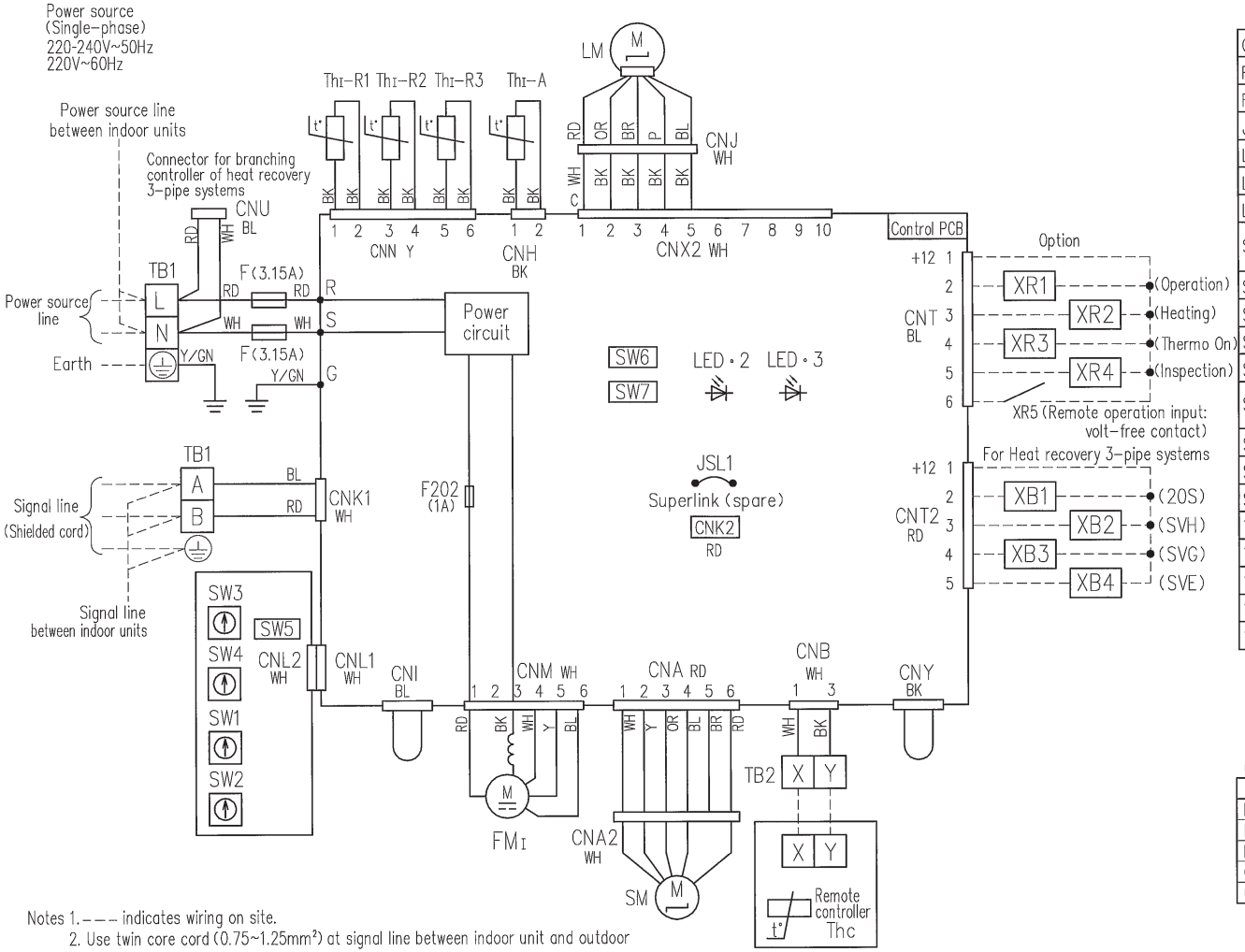
CF1	Capacitor for FM1
CNA~Z	Connector
F	Fuse
FM1	Fan motor (with thermister)
JSL1	Live Superlink terminal setting (for spare)
LED • 2	Indication lamp (Green–Normal operation)
LED • 3	Indication lamp (Red–Inspection)
SM	Stepping motor (For electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed preivious version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check,Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Th1–A	Thermistor (Return air)
Th1–R1,2,3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3,6	Relay for FM

Notes 1. —— indicates wiring on site.
2. Use twin core cable (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm²) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PJC001Z284 A

(j) Wall mounted type (FDK)

Models FDK22KXE6F, 28KXE6F, 36KXE6F, 45KXE6F, 56KXE6F



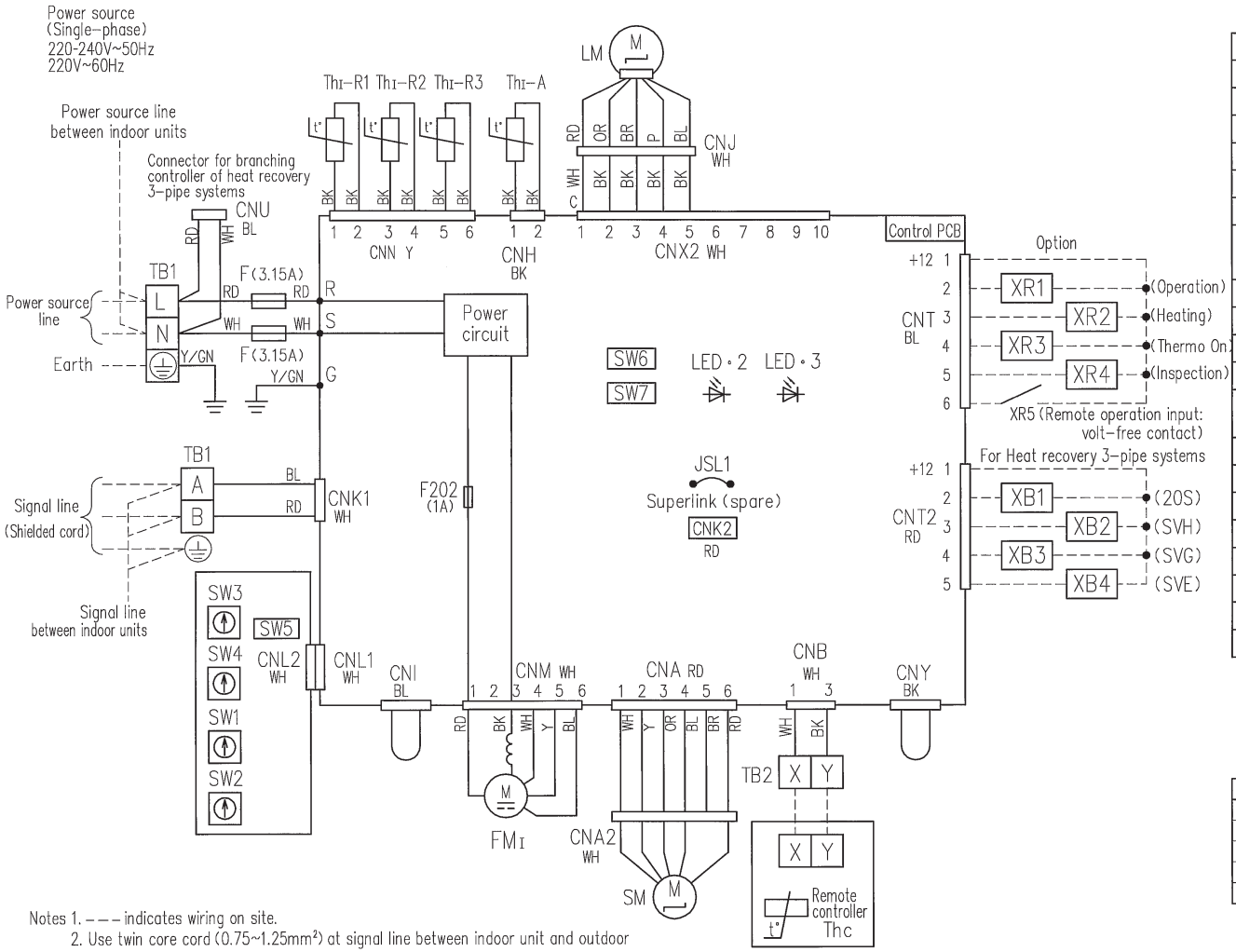
CNA~Z	Connector
F,F202	Fuse
FMI	Fan motor (with thermostat)
JSL1	Live Superlink terminal setting (for spare)
LED • 2	Indication lamp (Green-Normal operation)
LED • 3	Indication lamp (Red-Inspection)
LM	Louver motor
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5-1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5-2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7-1	Operation check/Drain motor test run
TB1	Terminal block (□mark)
TB2	Terminal block (Remote Controller) (□mark)
Thc	Thermistor (Remote controller)
Thi-A	Thermistor (Return air)
Thi-R1,2,3	Thermistor (Heat exchanger)

Color Marks

Mark	Color	Mark	Color
BK	Black	P	Pink
BL	Blue	RD	Red
BR	Brown	WH	White
GN	Green	Y	Yellow
OR	Orange	Y/GN	Yellow/Green

Notes 1. - - - indicates wiring on site.
2. Use twin core cord (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cord (0.3mm²) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PHA001Z029 A



CNA~Z	Connector
F,F202	Fuse
FMI	Fan motor (with thermostat)
JSL1	Live Superlink terminal setting (for spare)
LED・2	Indication lamp (Green-Normal operation)
LED・3	Indication lamp (Red-Inspection)
LM	Louver motor
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5-1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5-2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7-1	Operation check/Drain motor test run
TB1	Terminal block (□mark)
TB2	Terminal block (Remote Controller) (□mark)
Thc	Thermistor (Remote controller)
Thi-A	Thermistor (Return air)
Thi-R1,2,3	Thermistor (Heat exchanger)

Color Marks

Mark	Color	Mark	Color
BK	Black	P	Pink
BL	Blue	RD	Red
BR	Brown	WH	White
GN	Green	Y	Yellow
OR	Orange	Y/GN	Yellow/Green

Notes 1. – – – indicates wiring on site.
2. Use twin core cord (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cord (0.3mm²) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PHA001Z030 A

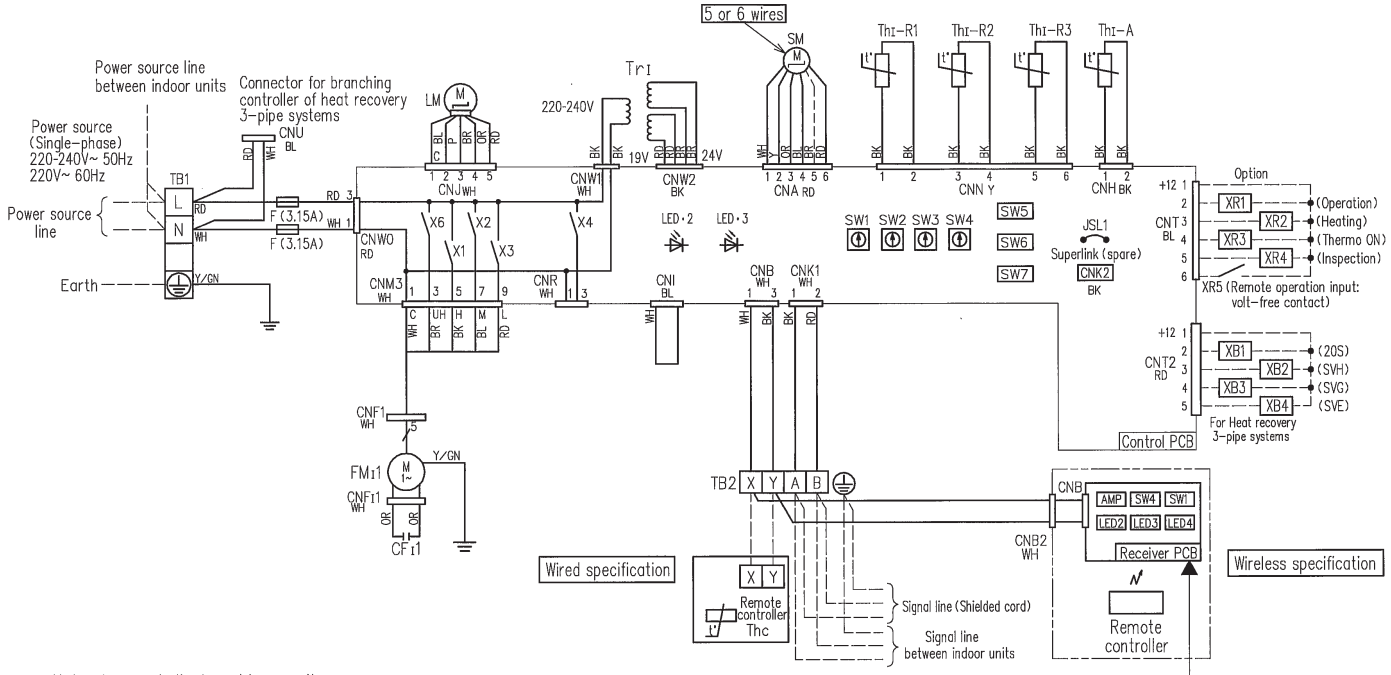
(k) Ceiling suspended type (FDE)

Models FDE36KXE6F, 45KXE6F, 56KXE6F

CFI1,2	Capacitor for FMI
CNA~Z	Connector
F	Fuse
FMI1,2	Fan motor (with thermostat)
JSL1	Live Superlink terminal setting (for spare)
LED • 2	Indication lamp (Green–Normal operation)
LED • 3	Indication lamp (Red–Inspection)
LM	Louver motor
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
ThI-A	Thermistor (Return air)
ThI-R1, 2, 3	Thermistor (Heat exchanger)
TrI	Transformer
X1~3,6	Relay for FM
X4	Relay for DM

Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
OR	Orange
P	Pink
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green



Notes 1.––– indicates wiring on site.
2. Use twin core cable (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm²) at remote controller.
4. Do not put signal line and remote controller line alongside power source line.

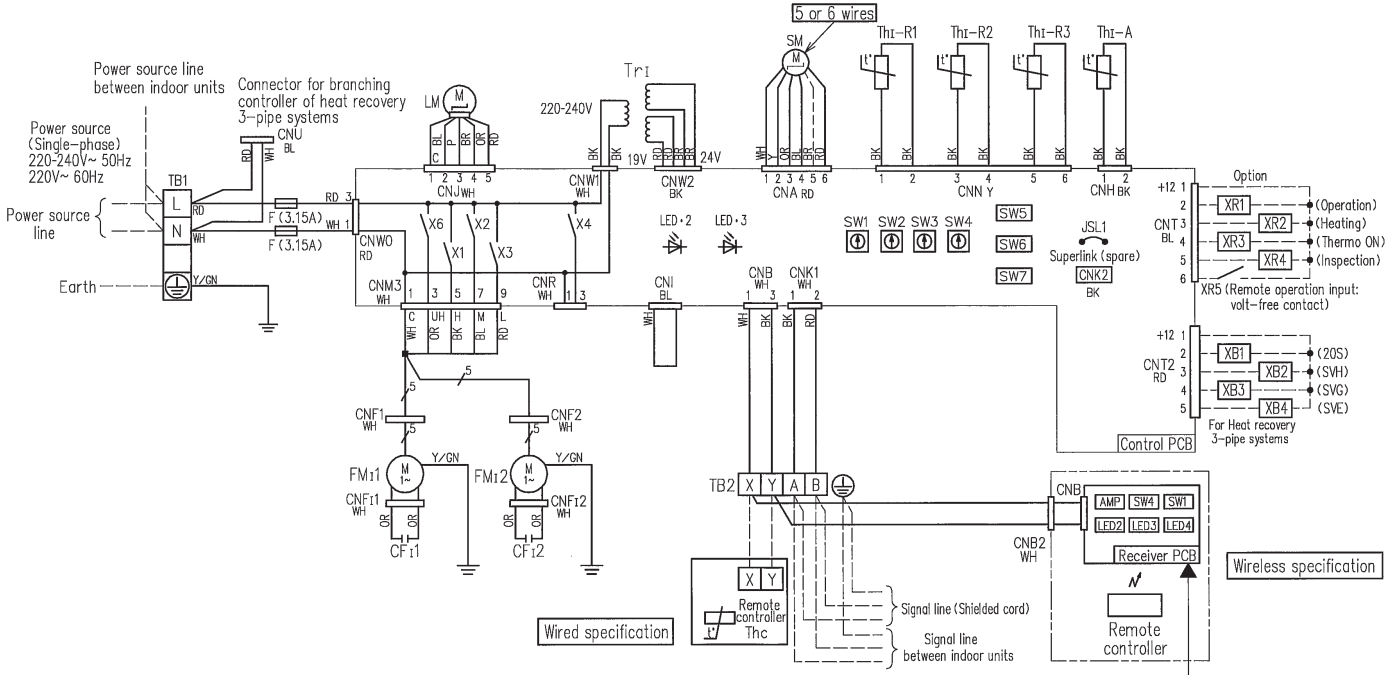
Receiver PCB

LED2	Indication lamp (Green)
LED3	Indication lamp (Yellow–Timer/Inspection)
LED4	7–segment display
SW1	Switches for setting
SW4	Back–up switch (Operation/Stop)

PFA003Z826 D

Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
OR	Orange
P	Pink
RD	Red
WH	White
Y	Yellow
Y/GN	Yellow/Green



CF1 1,2	Capacitor for FM1
CNA~Z	Connector
F	Fuse
FM1 1,2	Fan motor (with thermostat)
JSL1	Live Superlink terminal setting (for spare)
LED・2	Indication lamp (Green–Normal operation)
LED・3	Indication lamp (Red–Inspection)
LM	Louver motor
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
Th1-A	Thermistor (Return air)
Th1-R1, 2, 3	Thermistor (Heat exchanger)
Tr1	Transformer
X1~3,6	Relay for FM
X4	Relay for DM
■mark	Closed–end connector

Notes 1.––– indicates wiring on site.
2. Use twin core cable (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm²) at remote controller.
4. Do not put signal line and remote controller line alongside power source line.

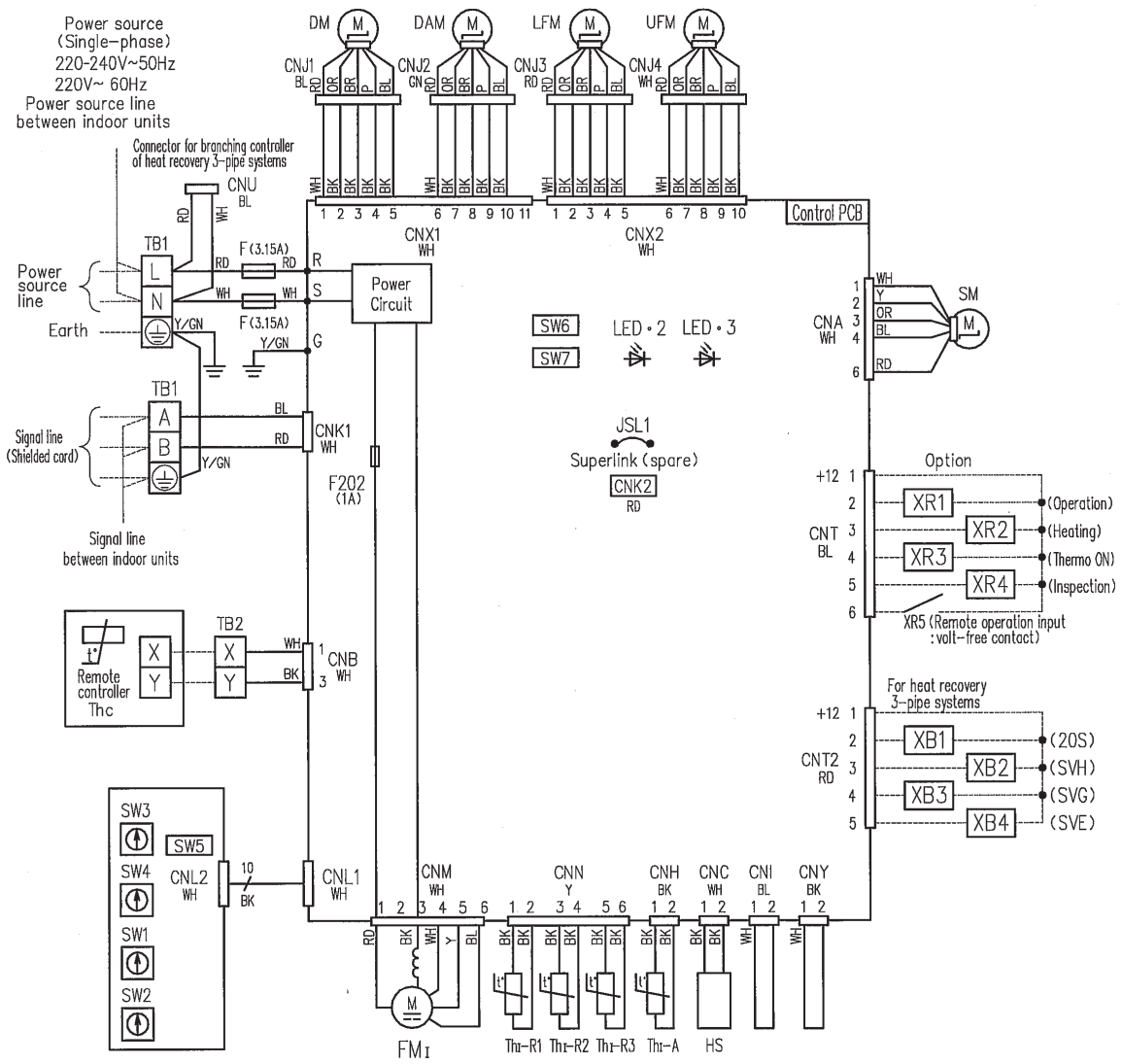
Receiver PCB

LED2	Indication lamp (Green)
LED3	Indication lamp (Yellow–Timer/Inspection)
LED4	7–segment display
SW1	Switches for setting
SW4	Back–up switch (Operation/Stop)

PFA003Z827 △D

(I) Floor standing-2 way type (FDFW)

Models All models



CNA~Z	Connector
F,F202	Fuse
FMI	Fan motor (with thermistor)
HS	Humidity sensor
JSL1	Live Superlink terminal setting (for spare)
LED • 2	Indication lamp (Green-Normal operation)
LED • 3	Indication lamp (Red-Inspection)
DM	Damper motor
DAM	Damper arm motor
LFM	Lower flap motor
UFM	Upper flap motor
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5-1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5-2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7-1	Operation check,Drain motor test run
TB1	Terminal block (□mark)
TB2	Terminal block (Remote controller) (□mark)
Thc	Thermistor (Remote controller)
Thi-A	Thermistor (Return air)
Thi-R1,2,3	Thermistor (Heat exchanger)

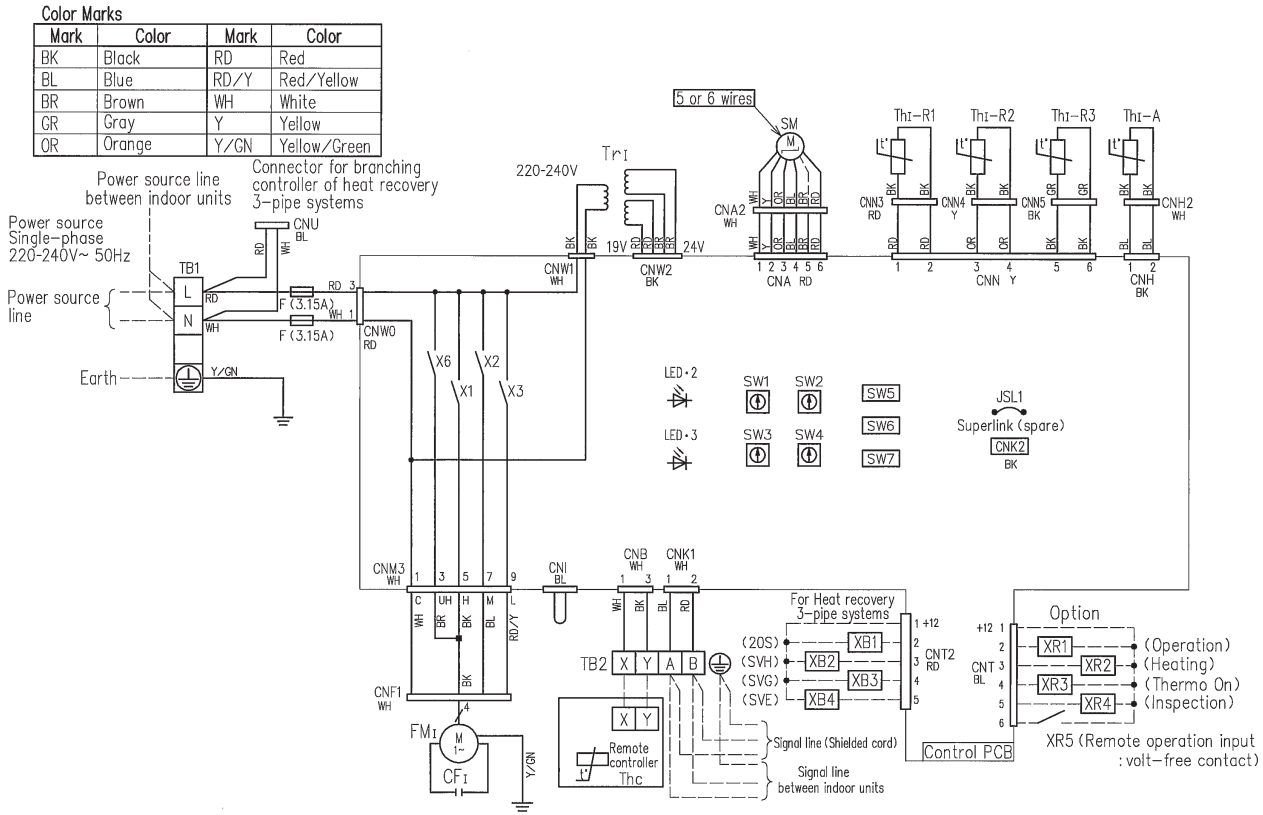
Color Marks

Mark	Color	Mark	Color
BK	Black	P	Pink
BL	Blue	RD	Red
BR	Brown	WH	White
GN	Green	Y	Yellow
OR	Orange	Y/GN	Yellow/Green

Notes 1. – – – indicates wiring on site.
2. Use twin core cord (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cord (0.3mm²) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

PGF000Z004 B

(m) Floor standing (with casing) type (FDFL)
Model FDFL71KXE6F



CFI	Capacitor for FMI
CNA~Z	Connector
F	Fuse
FMI	Fan motor (with thermostat)
JSL1	Live Superlink terminal setting (for spare)
LED•2	Indication lamp(Green–Normal operation)
LED•3	Indication lamp (Red–Inspection)
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: ones place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check, Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
ThI–A	Thermistor (Return air)
ThI–R1,2,3	Thermistor (Heat exchanger)
TrI	Transformer
X1~3,6	Relay for FM
■mark	Closed–end connector

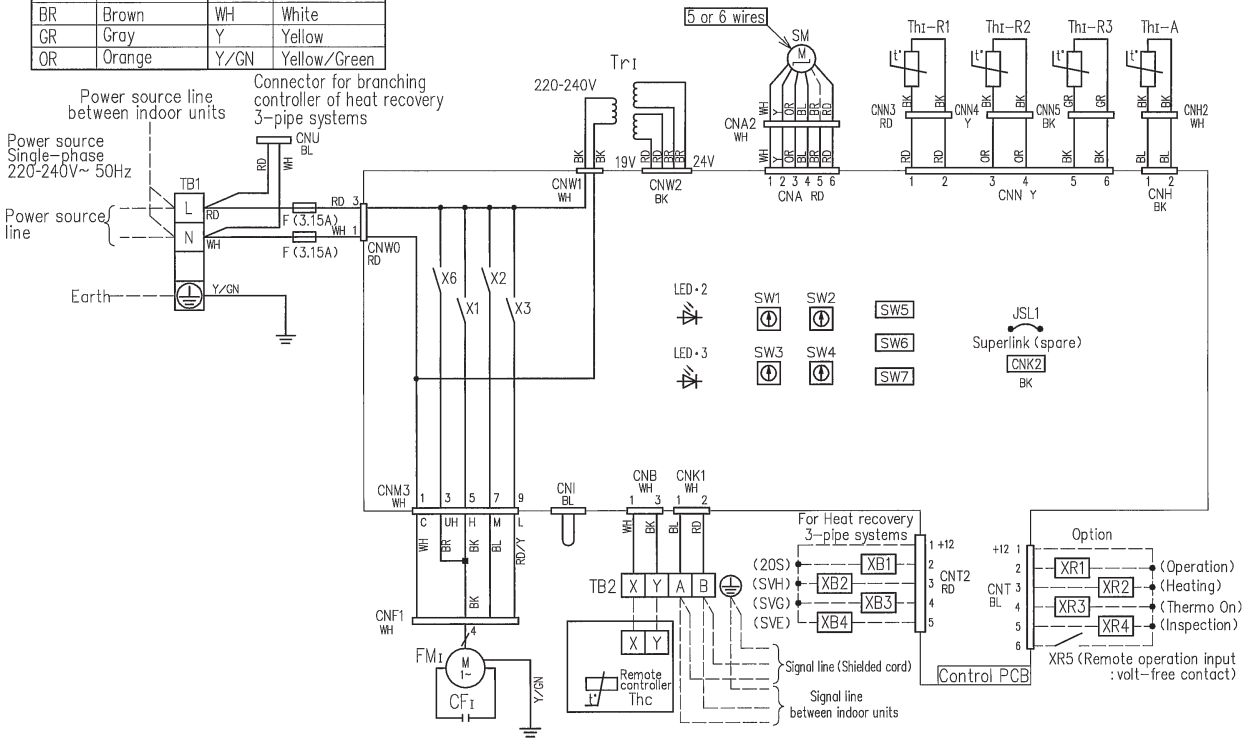
Notes 1.—— indicates wiring on site.
2.Use twin core cord (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3.Use twin core cord (0.3mm²) at remote controller line.
4.Do not put signal line and remote controller line alongside power source line.

PGD000Z053 D

(n) Floor standing (without casing) type (FDFU)
Models All models

Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	RD/Y	Red/Yellow
BR	Brown	WH	White
GR	Gray	Y	Yellow
OR	Orange	Y/GN	Yellow/Green

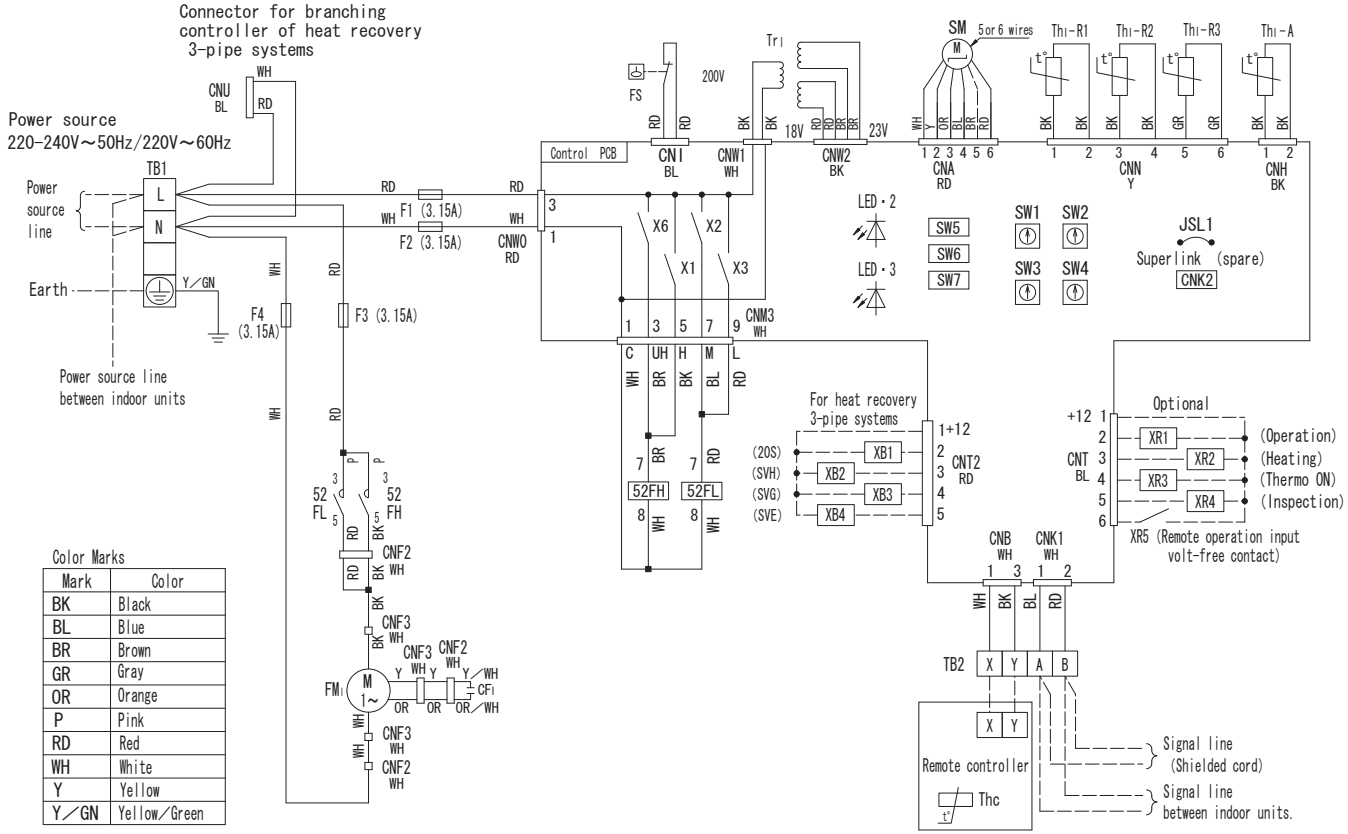


CFI	Capacitor for FMI
CNA~Z	Connector
F	Fuse
FMI	Fan motor (with thermostat)
JSL1	Live Superlink terminal setting (for spare)
LED・2	Indication lamp (Green–Normal operation)
LED・3	Indication lamp (Red–Inspection)
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address: tens place
SW2	Indoor unit address: one place
SW3	Outdoor unit address: tens place
SW4	Outdoor unit address: ones place
SW5–1	Automatic adjustment/Fixed previous version of Superlink protocol
SW5–2	Indoor unit address: hundreds place
SW6	Model capacity setting
SW7–1	Operation check/Drain motor test run
TB1	Terminal block (Power source) (□mark)
TB2	Terminal block (Signal line) (□mark)
Thc	Thermistor (Remote controller)
ThI–A	Thermistor (Return air)
ThI–R1,2,3	Thermistor (Heat exchanger)
TrI	Transformer
X1~3,6	Relay for FM
■mark	Closed–end connector

Notes 1.——indicates wiring on site
2.Use twin core cord (0.75~1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3.Use twin core cord (0.3mm²) at remote controller line.
4.Do not put signal line and remote controller line alongside power source line.

PGD000Z058 Ⓒ

(o) Outdoor air processing unit (FDU-F)
Models All models



Color Marks	
Mark	Color
BK	Black
BL	Blue
BR	Brown
GR	Gray
OR	Orange
P	Pink
RD	Red
WH	White
Y	Yellow
Y／GN	Yellow／Green

CFI	Capacitor for FMI
CNA～Z	Connector
F1～4	Fuse
FMI	Fan motor (with thermostat)
FS	Float switch
JSL1	Live superlink terminal setting (for spare)
LED・2	Indication lamp (Green Normal operation)
LED・3	Indication lamp (Red-inspection)
SM	Stepping motor (for electronic expansion valve)
SW1	Indoor unit address : tens place
SW2	Indoor unit address : ones place
SW3	Outdoor unit address : tens place
SW4	Outdoor unit address : ones place
SW5-1	Automatic adjustment／Fixed previous version of Superlink protocol
SW5-2	Indoor unit address : hundreds place
SW6	Model capacity setting
SW7-1	Operation check, Drain motor test run
TB1	terminal block (Power source) (□ mark)
TB2	terminal block (Signal line) (□ mark)
Thc	Thermistor (Remote controller)
THI-A	Thermistor (Return air)
THI-R1, 2, 3	Thermistor (Heat exchanger)
TrI	Transformer
X1～3, 6	Relay for FM
■mark	Closed-end connector
52FL, FH	Electromagnetic contactor for FMI

Notes 1. -- indicates wiring on site.
2. Use twin core cable (0.75～1.25mm²) at signal line between indoor unit and outdoor unit, and signal line between indoor units.
3. Use twin core cable (0.3mm²) at remote controller line.
4. Do not put signal line and remote controller line alongside power source line.

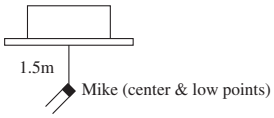
PJD001Z278 Ⓒ

2.4 Noise level

Note (1) The data are based on the following conditions.
Ambient air tempetature: Indoor unit 27˚C DB, 19˚C WB. Outdoor unit 35˚C DB
(2) The data in the chart are measuted in an unechonic room.
(3) The noise levels measured in the field are usually higher than the data because of reflection.

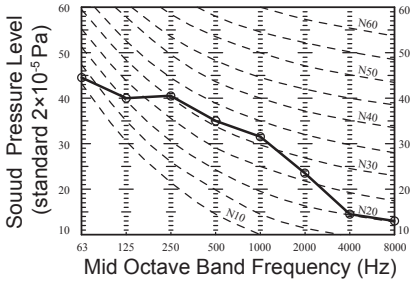
(a) Ceiling cassette-4 way type (FDT)

Measured based on JIS B 8616
Mike position as right



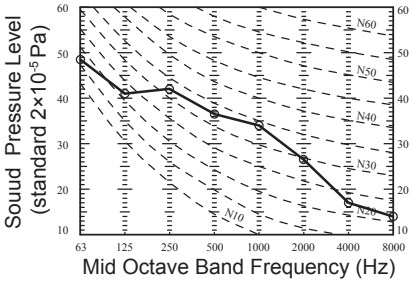
Models FDT28KXE6F,36KXE6F,45KXE6F

Noise level 37 dB (A) at P-HIGH
33 dB (A) at HIGH
31 dB (A) at MEDIUM
30 dB (A) at LOW



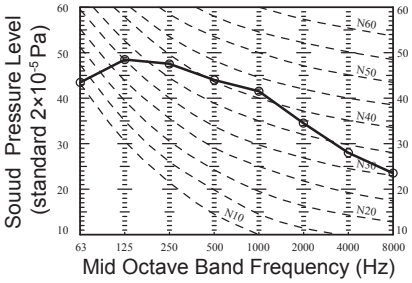
Model FDT56KXE6F

Noise level 39 dB (A) at P-HIGH
33 dB (A) at HIGH
31 dB (A) at MEDIUM
30 dB (A) at LOW



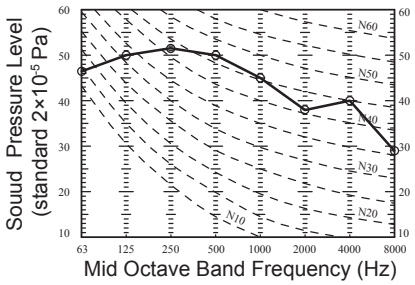
Model FDT71KXE6F

Noise level 46 dB (A) at P-HIGH
33 dB (A) at HIGH
31 dB (A) at MEDIUM
30 dB (A) at LOW



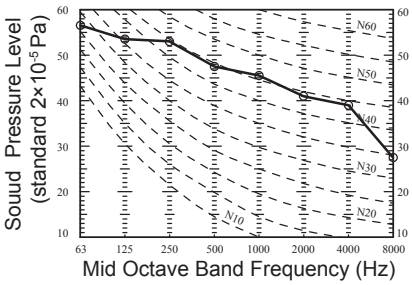
Models FDT90KXE6F,112KXE6F

Noise level 51 dB (A) at P-HIGH
40 dB (A) at HIGH
37 dB (A) at MEDIUM
35 dB (A) at LOW



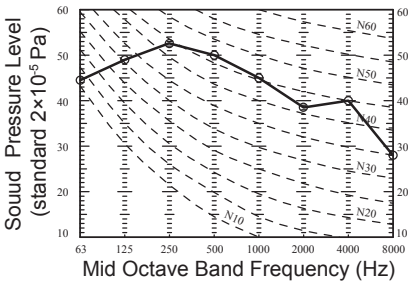
Model FDT140KXE6F

Noise level 51 dB (A) at P-HIGH
42 dB (A) at HIGH
40 dB (A) at MEDIUM
37 dB (A) at LOW



Model FDT160KXE6F

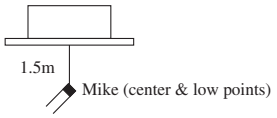
Noise level 51 dB (A) at P-HIGH
43 dB (A) at HIGH
41 dB (A) at MEDIUM
38 dB (A) at LOW



(b) Ceiling cassette-4 way compact type (FDTC)

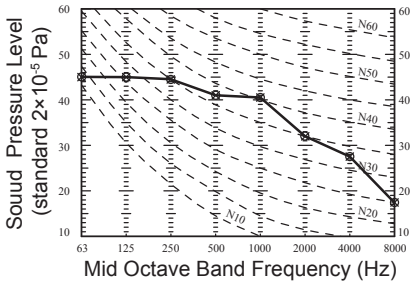
Note (1) Value in 〔 〕are for the heating mode.

Measured based on JIS B 8616
Mike position as right



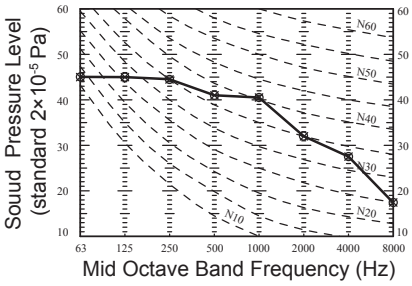
Model FDTC22KXE6F

Noise level 44 〔44〕 dB (A) at P-HIGH
35 〔35〕 dB (A) at HIGH
33 〔33〕 dB (A) at MEDIUM
30 〔32〕 dB (A) at LOW



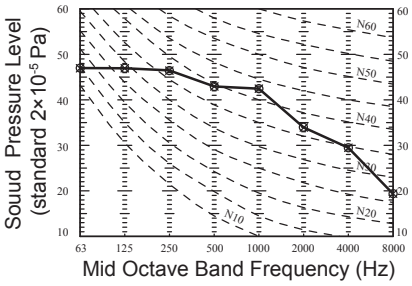
Model FDTC28KXE6F

Noise level 44 〔44〕 dB (A) at P-HIGH
35 〔35〕 dB (A) at HIGH
33 〔33〕 dB (A) at MEDIUM
30 〔32〕 dB (A) at LOW



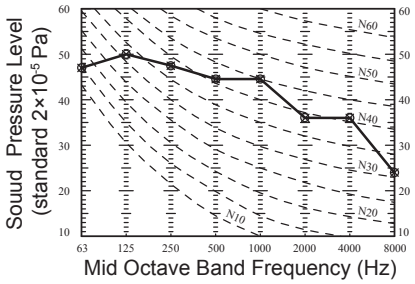
Model FDTC36KXE6F

Noise level 46 〔46〕 dB (A) at P-HIGH
38 〔38〕 dB (A) at HIGH
36 〔36〕 dB (A) at MEDIUM
31 〔34〕 dB (A) at LOW



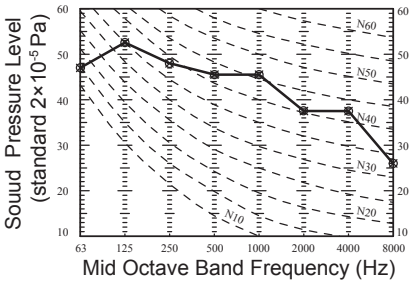
Model FDTC45KXE6F

Noise level 48 〔48〕 dB (A) at P-HIGH
40 〔40〕 dB (A) at HIGH
37 〔37〕 dB (A) at MEDIUM
31 〔34〕 dB (A) at LOW



Model FDTC56KXE6F

Noise level 49 〔49〕 dB (A) at P-HIGH
45 〔45〕 dB (A) at HIGH
39 〔39〕 dB (A) at MEDIUM
31 〔34〕 dB (A) at LOW



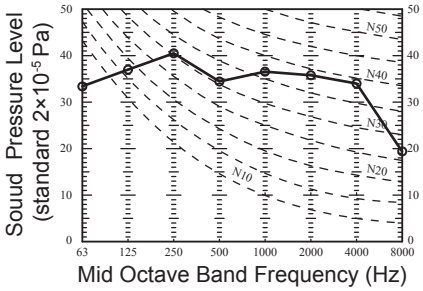
Note (1) Value in 〔 〕are for the heating mode.

(c) Ceiling cassette-2 way type (FDTW)

Measured based on JIS B 8616
Mike position as below

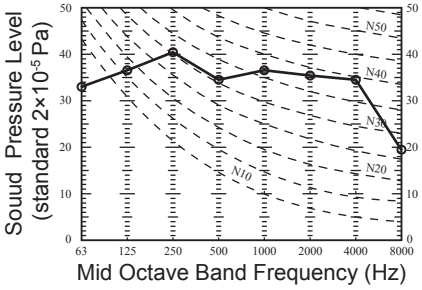
Models FDTW28KXE6F, 45KXE6F, 56KXE6F

Noise level 42 dB (A) at P-HIGH
38 dB (A) at HIGH
34 dB (A) at MEDIUM
31 dB (A) at LOW



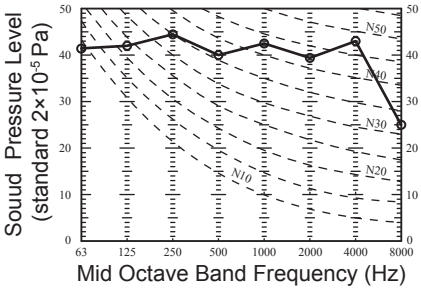
Model FDTW71KXE6F

Noise level 42 dB (A) at P-HIGH
38 dB (A) at HIGH
34 dB (A) at MEDIUM
31 dB (A) at LOW



Models FDTW90KXE6F, 112KXE6F, 140KXE6F

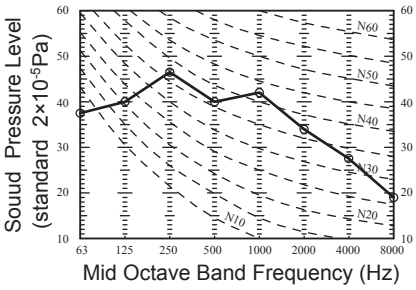
Noise level 48 dB (A) at P-HIGH
45 dB (A) at HIGH
41 dB (A) at MEDIUM
37 dB (A) at LOW



(d) Ceiling cassette-1 way compact type (FDTQ)

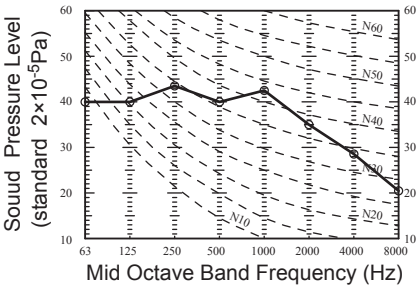
Models FDTQ22KXE6F,28KXE6F

Noise level 45 dB (A) at P-HIGH
41 dB (A) at HIGH
38 dB (A) at MEDIUM
33 dB (A) at LOW

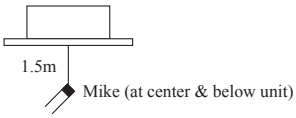


Model FDTQ36KXE6F

Noise level 45 dB (A) at P-HIGH
41 dB (A) at HIGH
38 dB (A) at MEDIUM
33 dB (A) at LOW



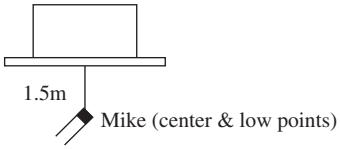
Measured based based on JIS B 8616
Mike position as below



#

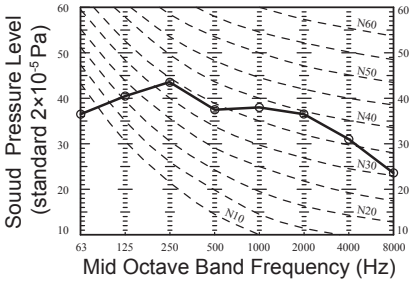
(e) Ceiling cassette-1 way type (FDTS)

Measured based on JIS B 8616
Mike position as below



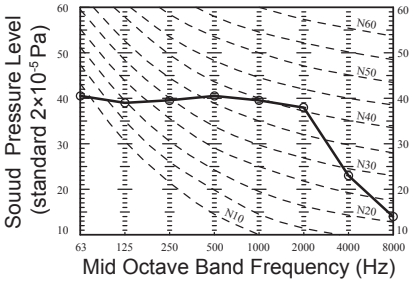
Model FDTS45KXE6D

Noise level 43 dB (A) at P-HIGH
41 dB (A) at HIGH
38 dB (A) at MEDIUM
36 dB (A) at LOW



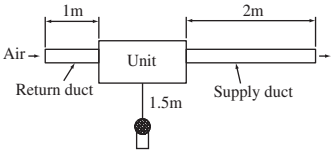
Model FDTS71KXE6D

Noise level 44 dB (A) at P-HIGH
42 dB (A) at HIGH
38 dB (A) at MEDIUM
36 dB (A) at LOW

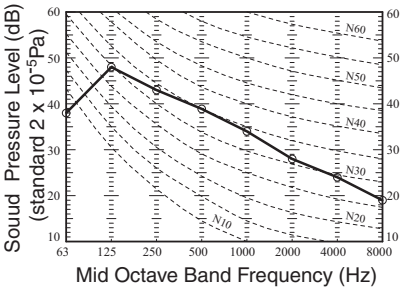


(f) Duct connected-High static pressure type (FDU)

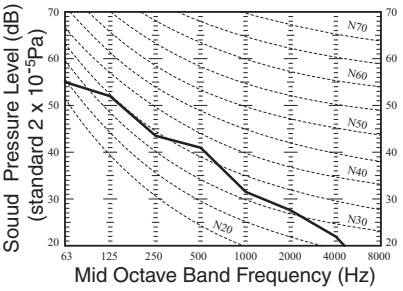
Measured based on JIS B 8616
Mike position as right



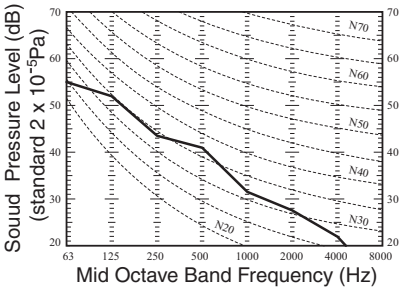
Model FDU71KXE6D
Noise level 41 dB (A) at HIGH
37 dB (A) at LOW



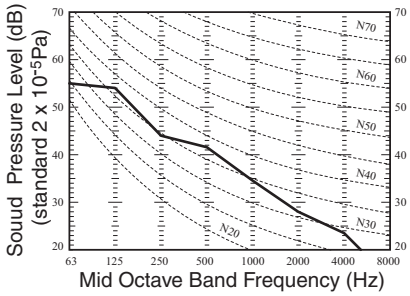
Model FDU90KXE6D
Noise level 42 dB (A) at HIGH
37 dB (A) at LOW



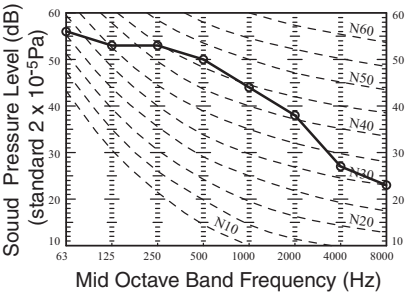
Model FDU112KXE6D
Noise level 42 dB (A) at HIGH
38 dB (A) at LOW



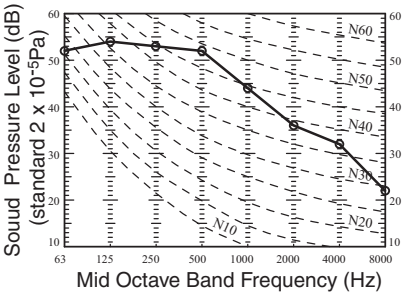
Model FDU140KXE6D
Noise level 43 dB (A) at HIGH
39 dB (A) at LOW



Model FDU224KXE6F
Noise level 51 dB (A) at HIGH



Model FDU280KXE6F
Noise level 52 dB (A) at HIGH



- **Power level**
  (Measurement conditions: JIS-B8616,
  measurement location: reverberation chamber)

(Unit: dB)

MODEL	Outlet side	Inlet side
FDU71KXE6D	65	65
FDU90, 112KXE6D	66	66
FDU140KXE6D	67	67

Note (1) Values are for external static pressure of 50Pa

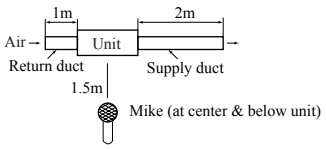
(Unit: dB)

MODEL	Outlet side	Inlet side
FDU224KXE6F	75	64
FDU280KXE6F	76	65

Note (1) Values are for external static pressure of 200Pa

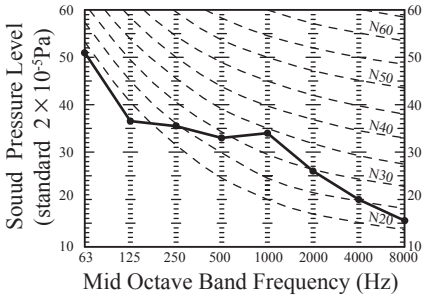
(g) Duct connected-Low/Middle static pressure type (FDUM)

Measured based on JIS B 8616
Mike position as right



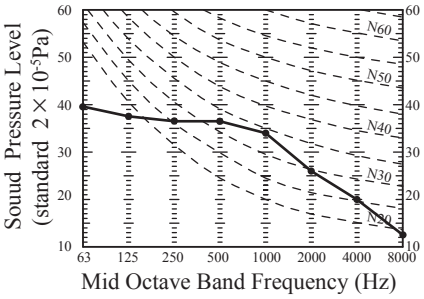
Models FDUM22,28,36,45,56KXE6F

Noise level 37 dB (A) at P-HIGH
32 dB (A) at HIGH
29 dB (A) at MEDIUM
26 dB (A) at LOW



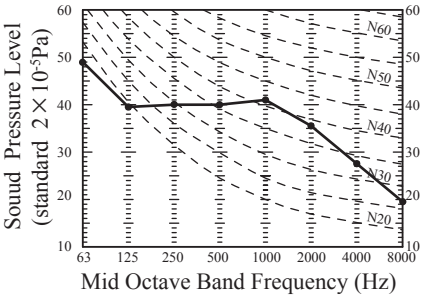
Models FDUM71,90KXE6F

Noise level 38 dB (A) at P-HIGH
33 dB (A) at HIGH
29 dB (A) at MEDIUM
25 dB (A) at LOW



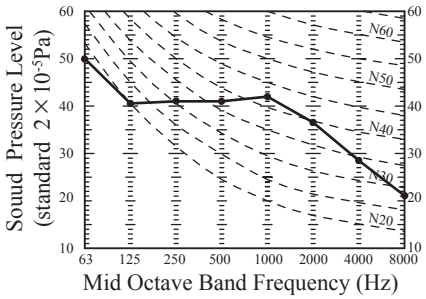
Model FDUM112KXE6F

Noise level 44 dB (A) at P-HIGH
38 dB (A) at HIGH
36 dB (A) at MEDIUM
30 dB (A) at LOW



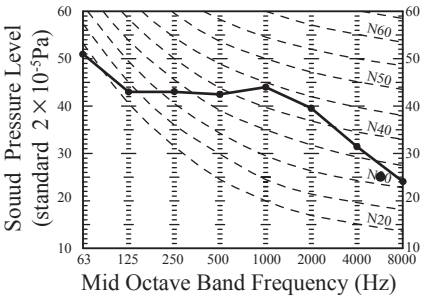
Model FDUM140KXE6F

Noise level 45 dB (A) at P-HIGH
40 dB (A) at HIGH
34 dB (A) at MEDIUM
29 dB (A) at LOW



Model FDUM160KXE6F

Noise level 47 dB (A) at P-HIGH
40 dB (A) at HIGH
35 dB (A) at MEDIUM
30 dB (A) at LOW



#

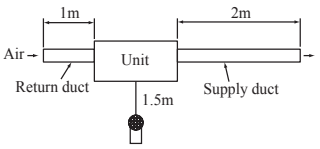
(h) Duct connected (thin)-Low static pressure type (FDUT)

(1) Rear air return

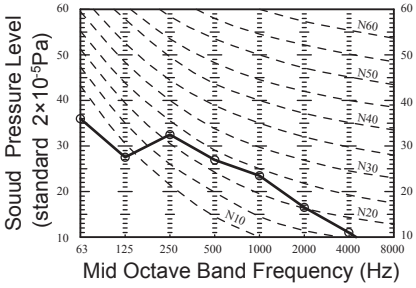
•Mike position : 1.5m bwlow the unit

Measured based on JIS B 8616 ANNEX3 (Duct setting)

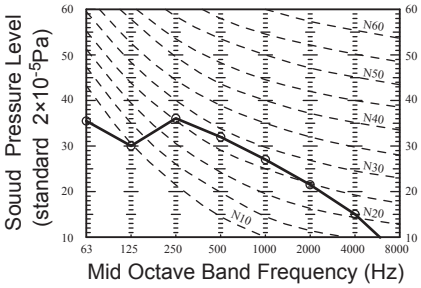
Mike position as right



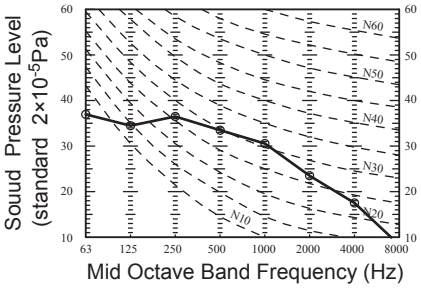
Models FDUT22KXE6D,28KXE6D
Noise level 29 dB (A) at HIGH
26 dB (A) at MEDIUM
24 dB (A) at LOW



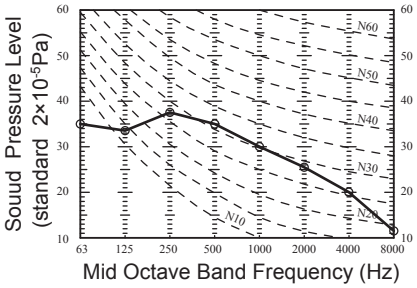
Model FDUT36KXE6D
Noise level 33 dB (A) at HIGH
31 dB (A) at MEDIUM
28 dB (A) at LOW



Model FDUT45KXE6D
Noise level 35 dB (A) at HIGH
32 dB (A) at MEDIUM
28 dB (A) at LOW



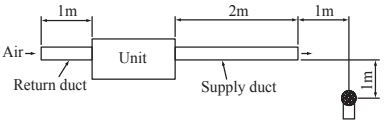
Model FDUT56KXE6D
Noise level 36 dB (A) at HIGH
34 dB (A) at MEDIUM
31 dB (A) at LOW



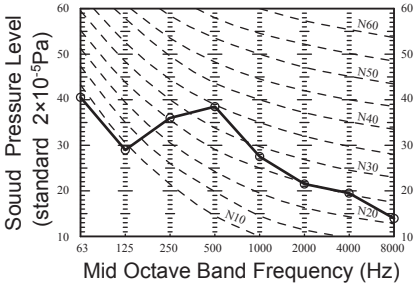
•Mike position : 1.5m in front and 1m below of the air supply duct

Measured based on JIS B 8616 ANNEX3 (Duct setting)

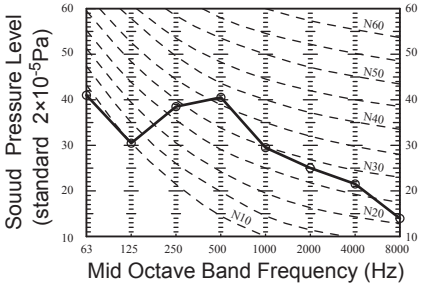
Mike position as right



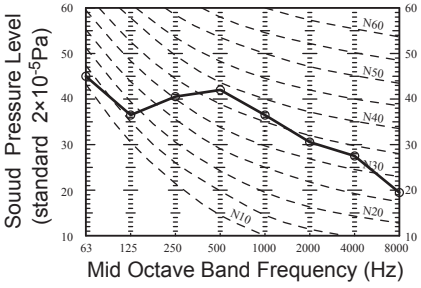
Models FDUT22KXE6D,28KXE6D
Noise level 37 dB (A) at HIGH
34 dB (A) at MEDIUM
30 dB (A) at LOW



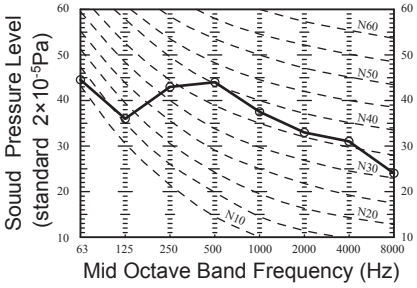
Model FDUT36KXE6D
Noise level 39 dB (A) at HIGH
35 dB (A) at MEDIUM
33 dB (A) at LOW



Model FDUT45KXE6D
Noise level 42 dB (A) at HIGH
38 dB (A) at MEDIUM
34 dB (A) at LOW



Model FDUT56KXE6D
Noise level 44 dB (A) at HIGH
40 dB (A) at MEDIUM
37 dB (A) at LOW



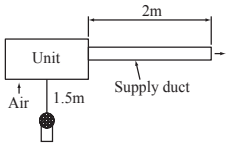
#

(2) Bottom air return

•Mike position : 1.5m bwlow the unit

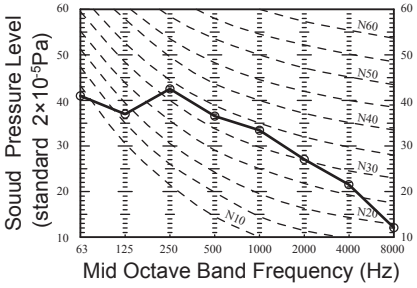
Measured based on JIS B 8616 ANNEX3 (Duct setting)

Mike position as right



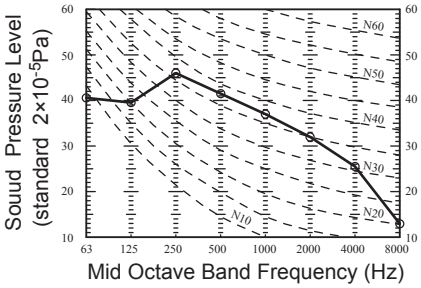
Models FDUT22KXE6D,28KXE6D

Noise level 39 dB (A) at HIGH
36 dB (A) at MEDIUM
32 dB (A) at LOW



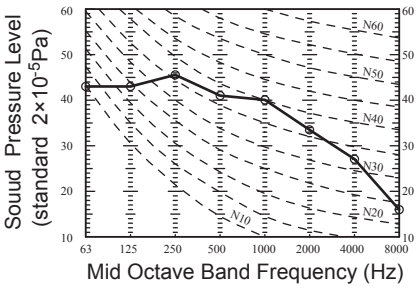
Model FDUT36KXE6D

Noise level 43 dB (A) at HIGH
40 dB (A) at MEDIUM
37 dB (A) at LOW



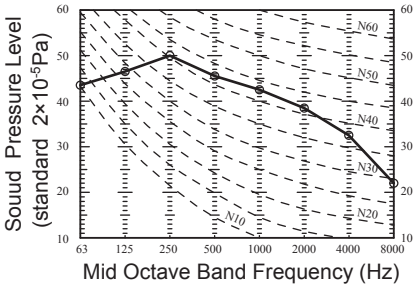
Model FDUT45KXE6D

Noise level 44 dB (A) at HIGH
41 dB (A) at MEDIUM
36 dB (A) at LOW



Model FDUT56KXE6D

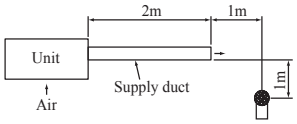
Noise level 48 dB (A) at HIGH
45 dB (A) at MEDIUM
43 dB (A) at LOW



•Mike position : 1.5m in front and 1m below of the air supply duct

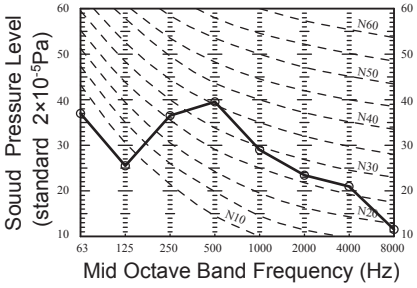
Measured based on JIS B 8616 ANNEX3 (Duct setting)

Mike position as right



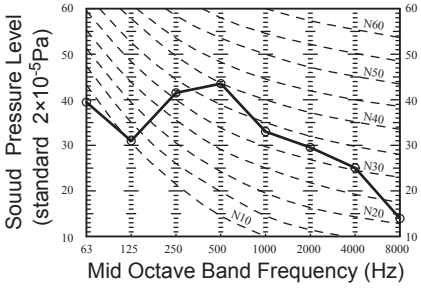
Models FDUT22KXE6D,28KXE6D

Noise level 38 dB (A) at HIGH
35 dB (A) at MEDIUM
31 dB (A) at LOW



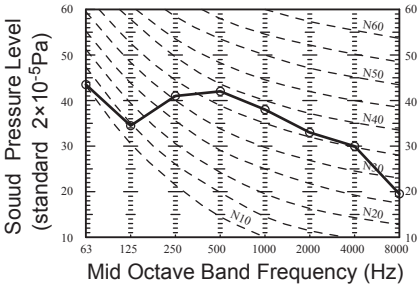
Model FDUT36KXE6D

Noise level 42 dB (A) at HIGH
39 dB (A) at MEDIUM
36 dB (A) at LOW



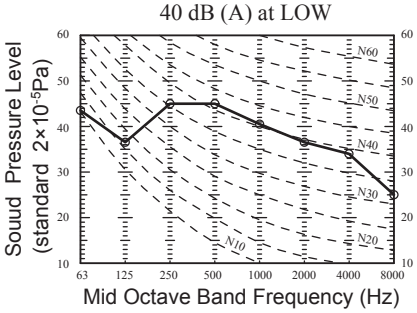
Model FDUT45KXE6D

Noise level 43 dB (A) at HIGH
40 dB (A) at MEDIUM
35 dB (A) at LOW



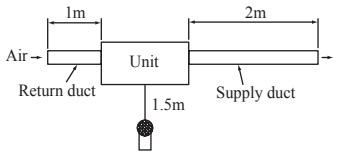
Model FDUT56KXE6D

Noise level 46 dB (A) at HIGH
42 dB (A) at MEDIUM
40 dB (A) at LOW



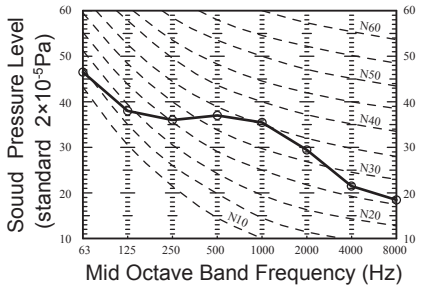
(i) Duct connected-Compact and Flexible type (FDUH)

Measured based on JIS B 8616
Mike position as right



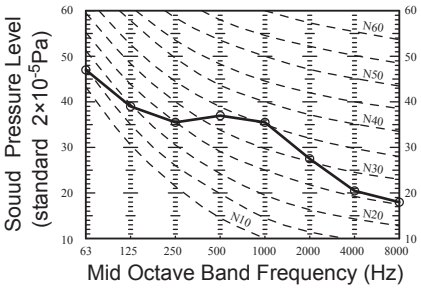
Models FDUH22KXE6F,28KXE6F

Noise level 38 dB (A) at P-HIGH
33 dB (A) at HIGH
30 dB (A) at MEDIUM
27 dB (A) at LOW



Model FDUH36KXE6F

Noise level 39 dB (A) at P-HIGH
33 dB (A) at HIGH
30 dB (A) at MEDIUM
27 dB (A) at LOW

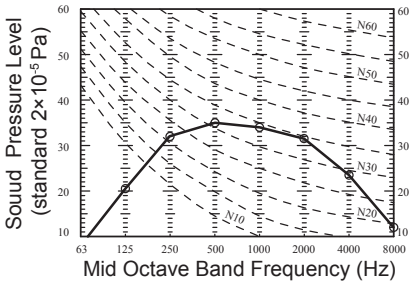


(j) Wall mounted type (FDK)

Measured based on JIS B 8616
Mike position as right

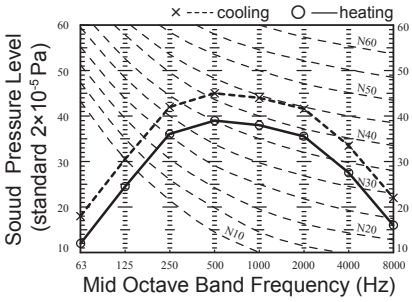
Models FDK22KXE6F,28KXE6F

Noise level 38 〔38〕 dB (A) at P-HIGH
35 〔35〕 dB (A) at HIGH
33 〔33〕 dB (A) at MEDIUM
31 〔31〕 dB (A) at LOW



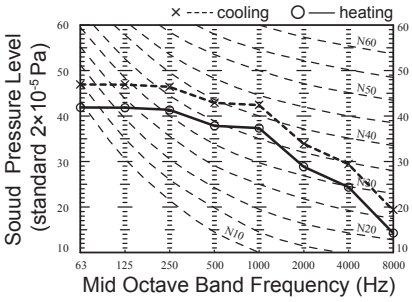
Model FDK36KXE6F

Noise level 48 〔42〕 dB (A) at P-HIGH
41 〔39〕 dB (A) at HIGH
35 〔35〕 dB (A) at MEDIUM
31 〔31〕 dB (A) at LOW



Model FDK45KXE6F

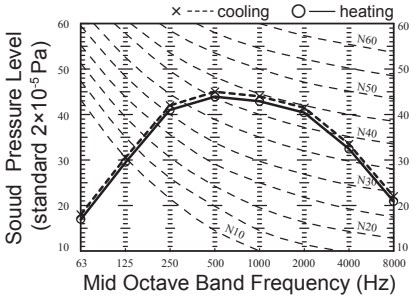
Noise level 48 〔43〕 dB (A) at P-HIGH
42 〔42〕 dB (A) at HIGH
37 〔37〕 dB (A) at MEDIUM
33 〔33〕 dB (A) at LOW



Note (1) Value in 〔 〕 are for the heating mode.

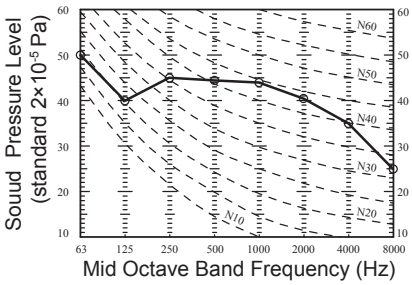
Model FDK56KXE6F

Noise level 48 〔47〕 dB (A) at P-HIGH
46 〔46〕 dB (A) at HIGH
42 〔42〕 dB (A) at MEDIUM
37 〔37〕 dB (A) at LOW



Model FDK71KXE6F

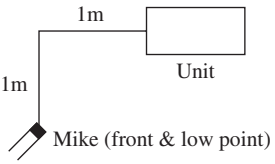
Noise level 48 〔48〕 dB (A) at P-HIGH
47 〔47〕 dB (A) at HIGH
43 〔43〕 dB (A) at MEDIUM
39 〔39〕 dB (A) at LOW



#

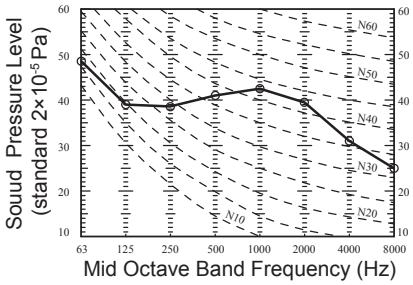
(k) Ceiling suspended type (FDE)

Measured based on JIS B 8616
Mike position as below



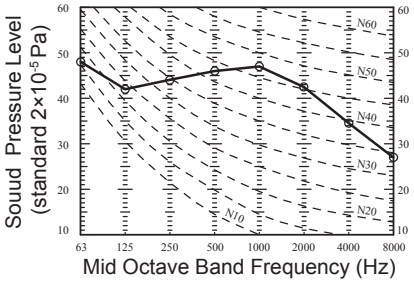
Models FDE36KXE6F,45KXE6F,56KXE6F

Noise level 46 dB (A) at P-HIGH
39 dB (A) at HIGH
38 dB (A) at MEDIUM
36 dB (A) at LOW



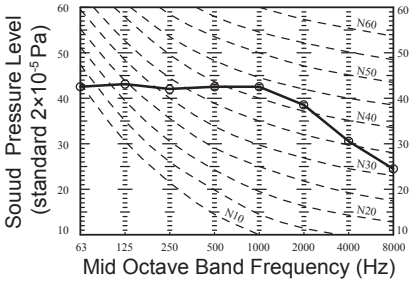
Model FDE71KXE6F

Noise level 50 dB (A) at P-HIGH
41 dB (A) at HIGH
39 dB (A) at MEDIUM
37 dB (A) at LOW



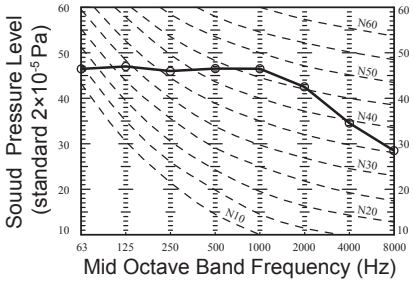
Model FDE112KXE6F

Noise level 46 dB (A) at P-HIGH
44 dB (A) at HIGH
41 dB (A) at MEDIUM
39 dB (A) at LOW



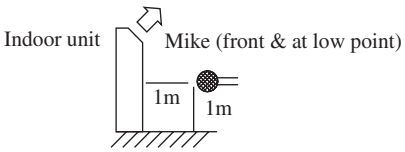
Model FDE140KXE6F

Noise level 50 dB (A) at P-HIGH
46 dB (A) at HIGH
44 dB (A) at MEDIUM
43 dB (A) at LOW



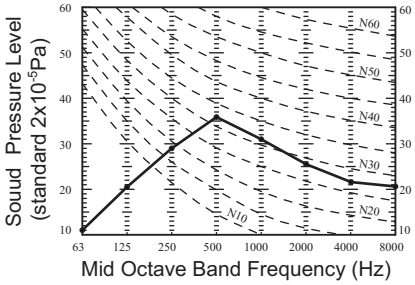
(l) Floor standing-2 way type (FDFW)

Measured based on JIS B 8616
Mike position as right



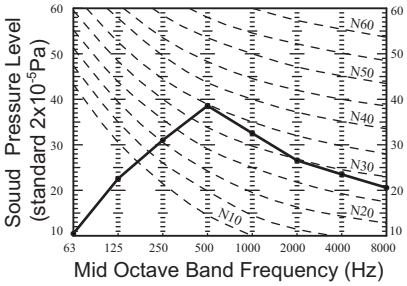
Model FDFW28KXE6F

Noise level 36 dB (A) at HIGH
34 dB (A) at MEDIUM
30 dB (A) at LOW



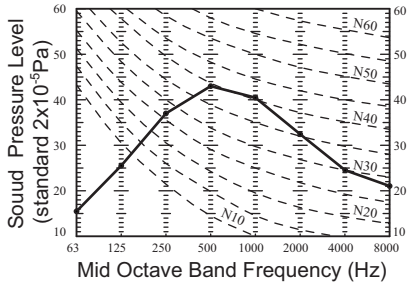
Model FDFW 45KXE6F

Noise level 38 dB (A) at HIGH
36 dB (A) at MEDIUM
33 dB (A) at LOW



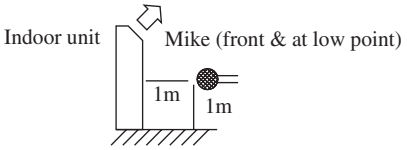
Model FDFW56KXE6F

Noise level 44 dB (A) at HIGH
37 dB (A) at MEDIUM
33 dB (A) at LOW



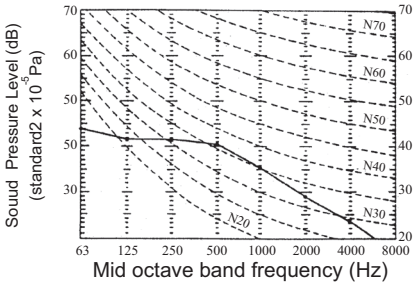
(m) Floor standing (with casing) type (FDFL)
(n) Floor standing (without casing) type (FDFU)

Measured based on JIS B 8616
Mike position as right



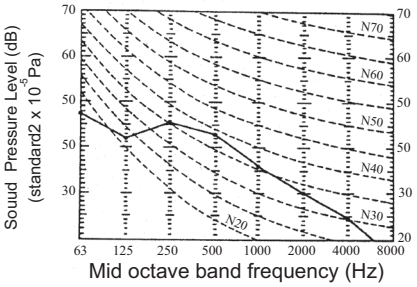
Model FDFU28KXE6F

Noise level 41 dB (A) at HIGH
38 dB (A) at MEDIUM
36 dB (A) at LOW



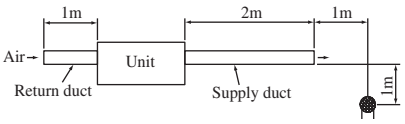
Models FDFL71KXE6F
FDFU45KXE6F, 56KXE6F, 71KXE6F

Noise level 43 dB (A) at HIGH
41 dB (A) at MEDIUM
40 dB (A) at LOW



(o) Outdoor Air Processing unit (FDU-F)

Measured based on JIS-B 8616
Mike position as right

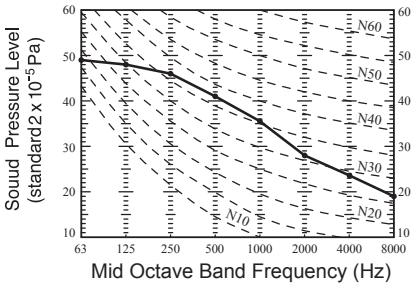


(1) Standard (Factory setting)

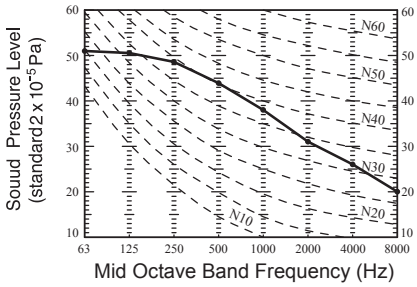
Note (1) Values are for external static pressure of 200Pa.

Model FDU500FKXE6F

Noise level 43 dB (A) at 50Hz

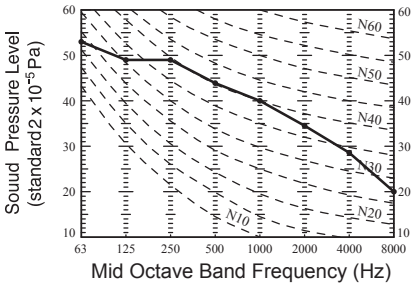


Noise level 45 dB (A) at 60Hz

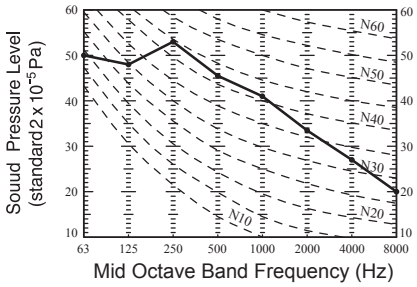


Model FDU850FKXE6F

Noise level 46 dB (A) at 50Hz

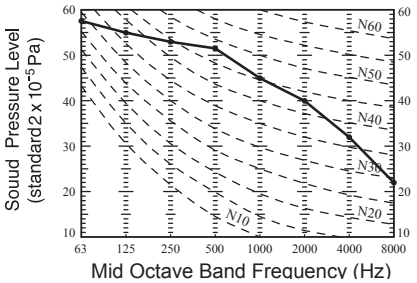


Noise level 48 dB (A) at 60Hz

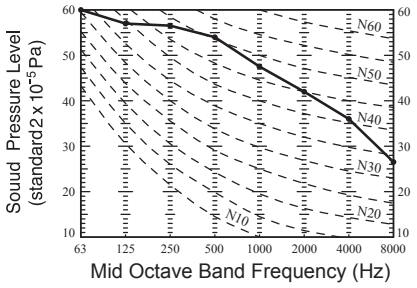


Model FDU1300FKXE6F

Noise level 48 dB (A) at 50Hz

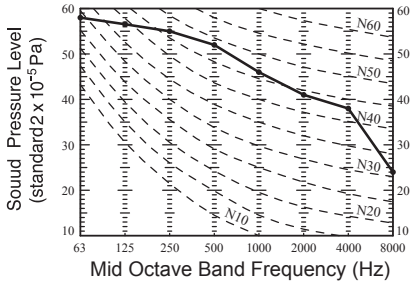


Noise level 50 dB (A) at 60Hz

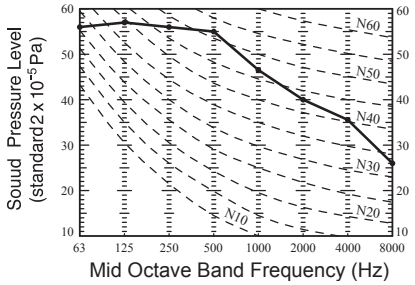


Model FDU1800FKXE6F

Noise level 51 dB (A) at 50Hz



Noise level 52 dB (A) at 60Hz



• Power level (Measurement conditions : JIS-B8616,measurement location : reverberation chamber)

(Unit: dB)

MODEL	Outlet side	Inlet side	MODEL	Outlet side	Inlet side
FDU500FKXE6F	68	57	FDU1300FKXE6F	73	62
FDU850FKXE6F	71	60	FDU1800FKXE6F	74	63

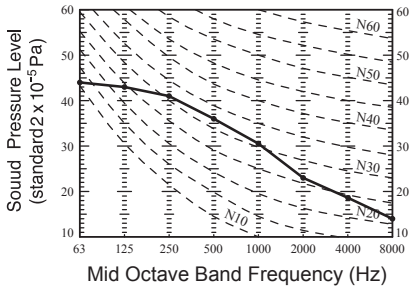
Note (1) Values are for external static pressure of 200Pa.

(2) When the controller kit is used (Option : U-FCRB)

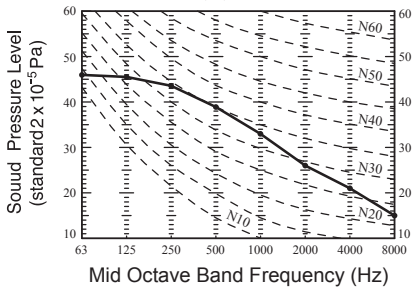
Note (1) Values are for external static pressure of 100Pa.

Model FDU500FKXE6F

Noise level 38 dB (A) at 50Hz

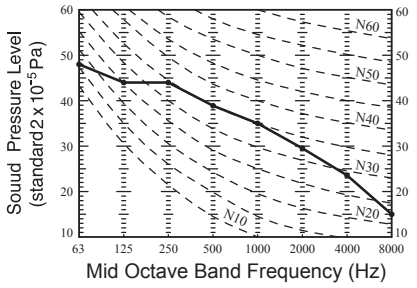


Noise level 40 dB (A) at 60Hz

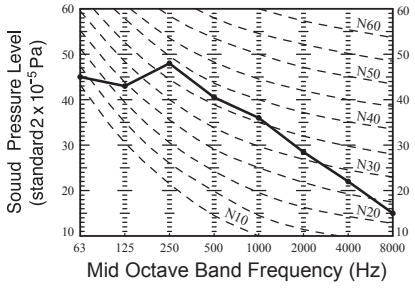


Model FDU850FKXE6F

Noise level 41 dB (A) at 50Hz

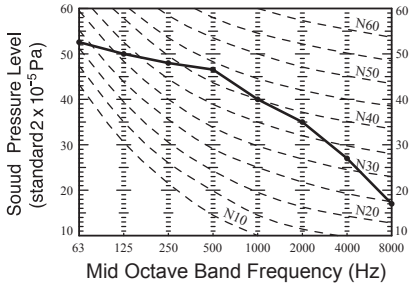


Noise level 43 dB (A) at 60Hz

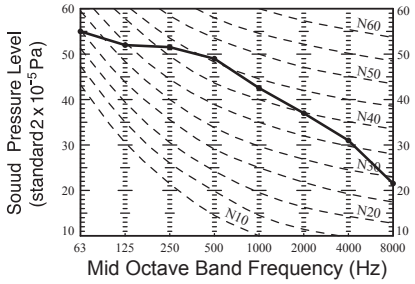


Model FDU1300FKXE6F

Noise level 43 dB (A) at 50Hz

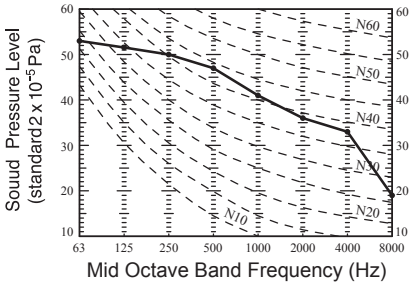


Noise level 45 dB (A) at 60Hz

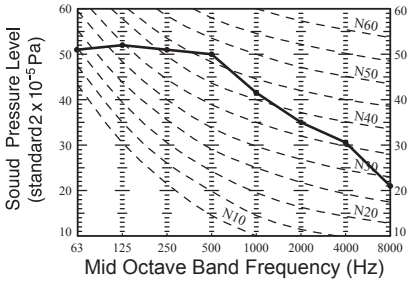


Model FDU1800FKXE6F

Noise level 46 dB (A) at 50Hz



Noise level 47 dB (A) at 60Hz



• Power level (Measurement conditions : JIS-B8616,measurement location : reverberation chamber)

(Unit: dB)

MODEL	Outlet side	Inlet side	MODEL	Outlet side	Inlet side
FDU500FKXE6F	63	52	FDU1300FKXE6F	73	62
FDU850FKXE6F	66	55	FDU1800FKXE6F	74	63

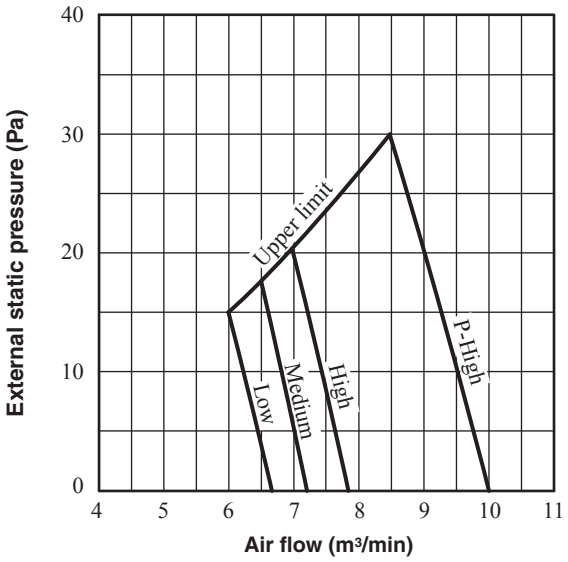
Note (1) Values are for external static pressure of 100Pa. (Models FDU1300, 1800FKXE6F : 200Pa)

2.5 Characteristics of fan

(a) Ceiling cassette-1 way compact type (FDTQ)

(Only when FDTQ22, 28 and 36 model are used for the Duct panel)

Models FDTQ22KXE6F,28KXE6F,36KXE6F

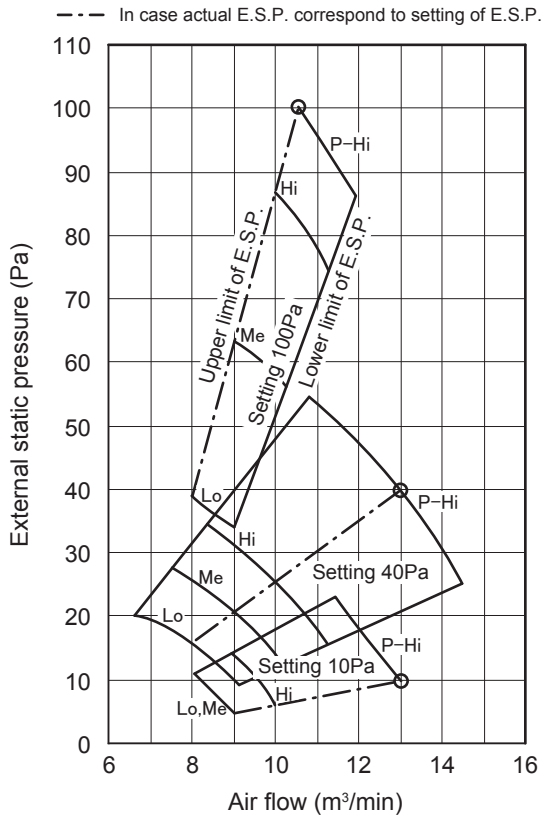


(b) Duct connected-Low/Middle static pressure (FDUM)

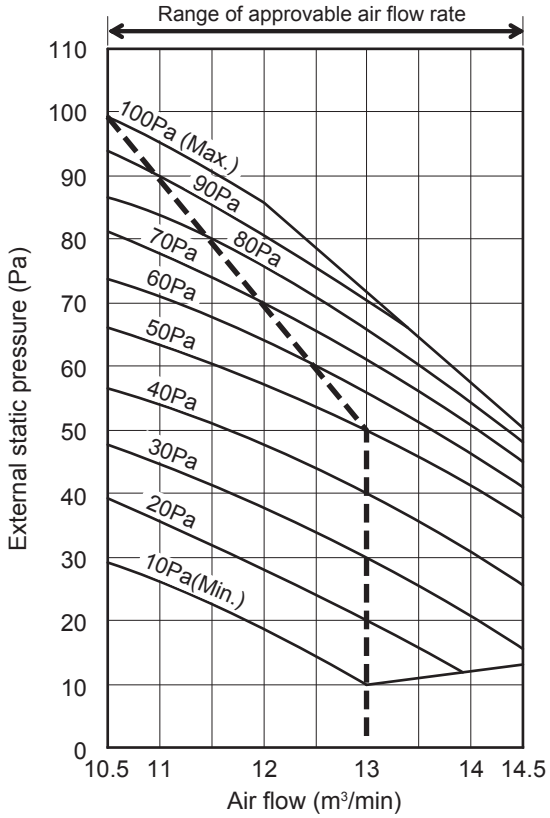
- Characteristic FAN (1) shows air flow vs. External Static Pressure (E.S.P.) range where settings of E.S.P. are maximum E.S.P. (100Pa) , rated E.S.P., and minimum E.S.P. (10Pa)
- Characteristic FAN (2) shows air flow vs. E.S.P curve when set fan tap is set P-Hi with each setting of E.S.P by remote controller.
- External Static Pressure (E.S.P.) can be set by wired remote controller.
- You can set required E.S.P. by wired remote controller which calculate it with the set air flow rate and pressure loss of the duct connected.

Models FDUM22KXE6F, 28KXE6F, 36KXE6F, 45KXE6F, 50KXE6F

Characteristic FAN(1)

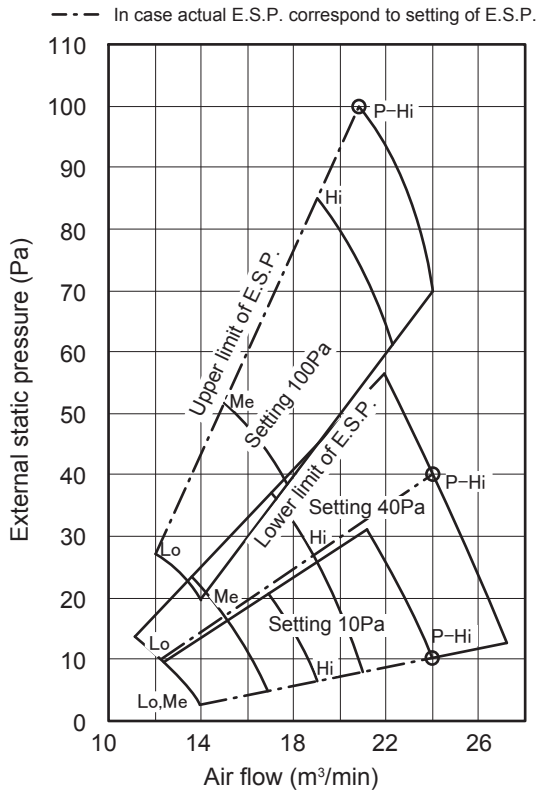


Characteristic FAN(2)

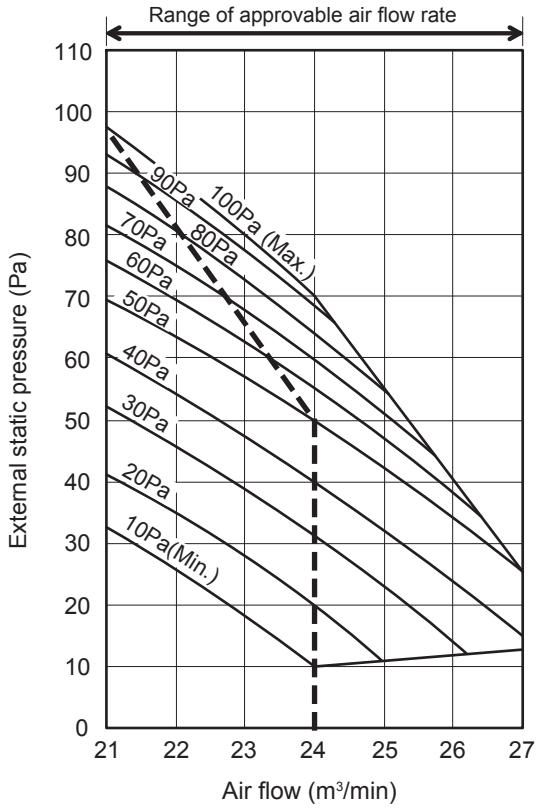


Models FDUM71KXE6F, 90KXE6F

Characteristic FAN(1)

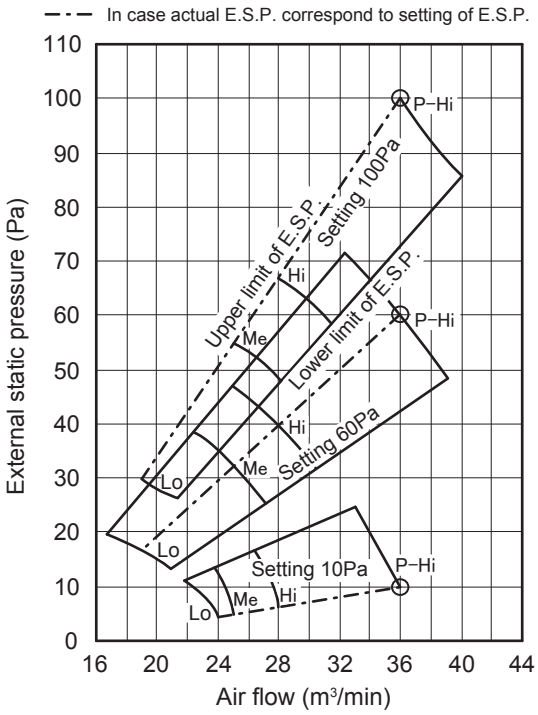


Characteristic FAN(2)

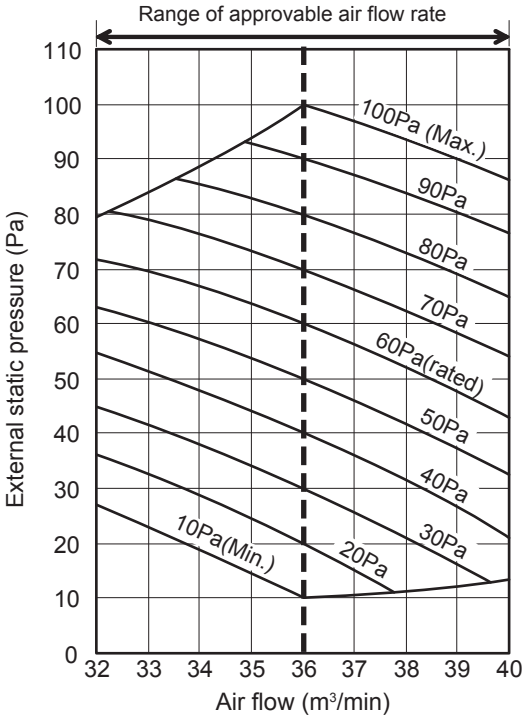


Model FDUM112KXE6F

Characteristic FAN(1)

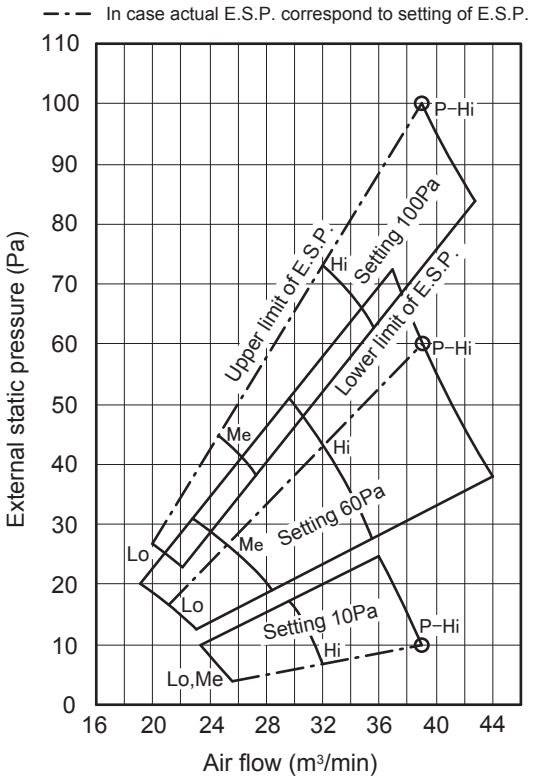


Characteristic FAN(2)

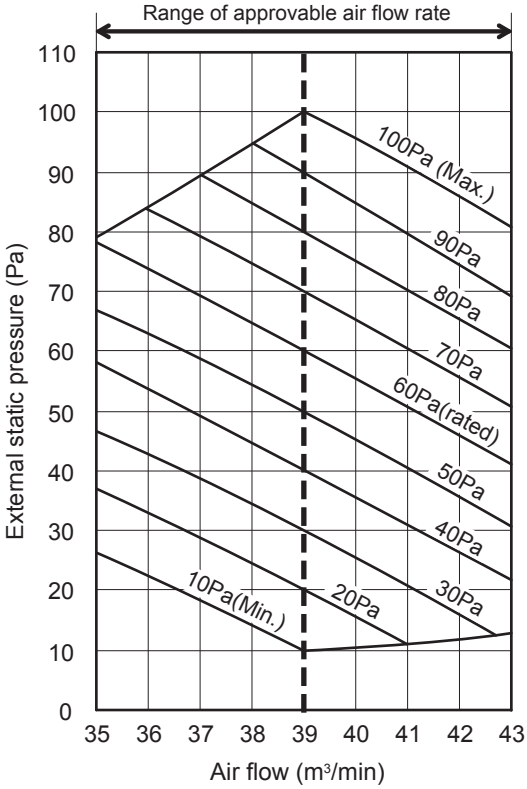


Model FDUM140KXE6F

Characteristic FAN(1)

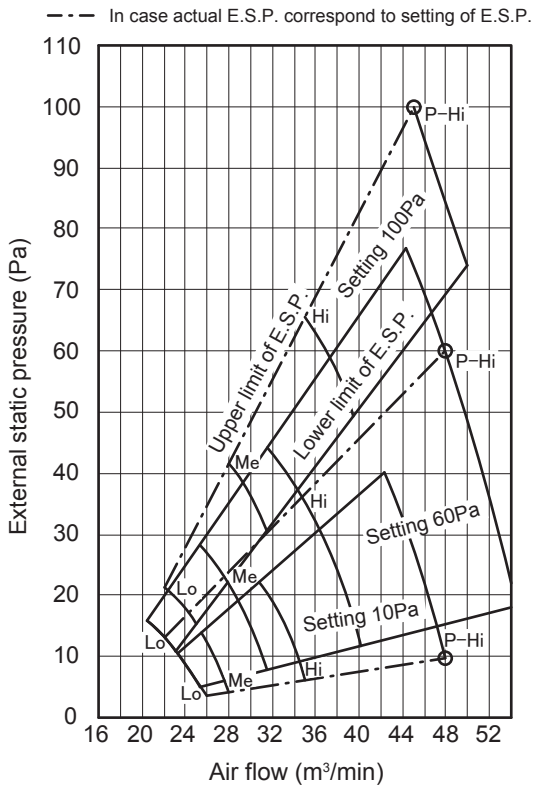


Characteristic FAN(2)

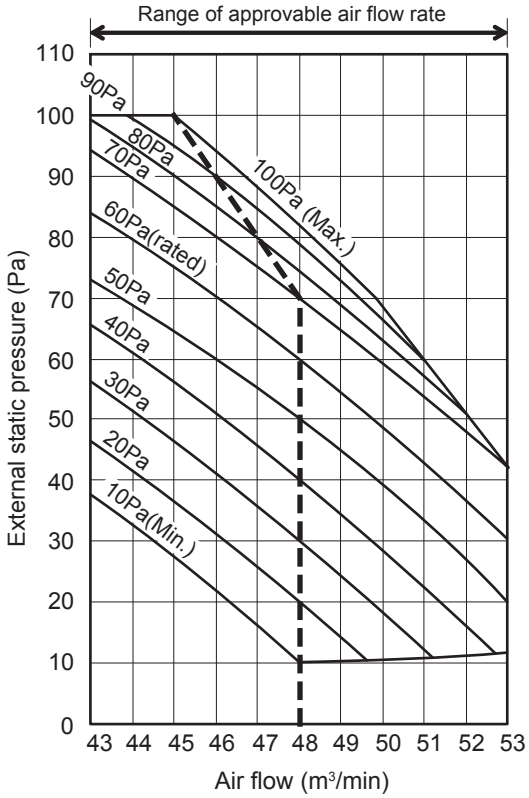


Model FDUM160KXE6F

Characteristic FAN(1)



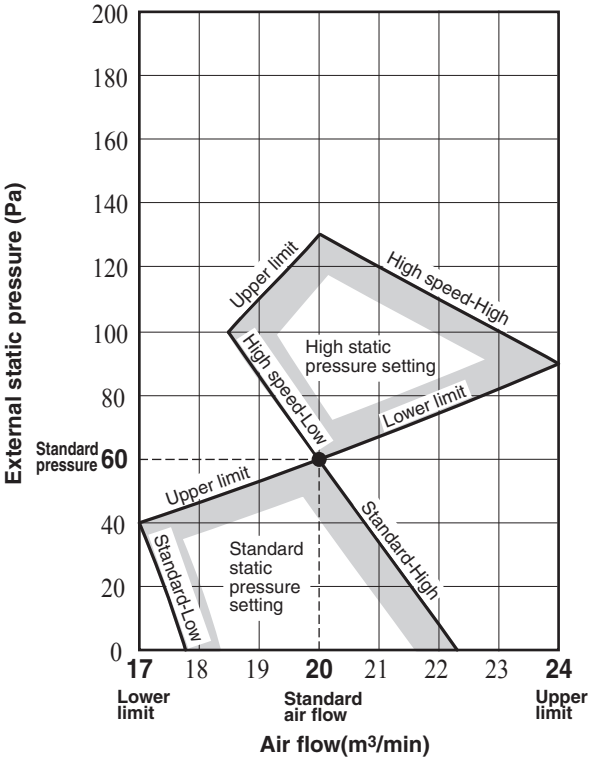
Characteristic FAN(2)



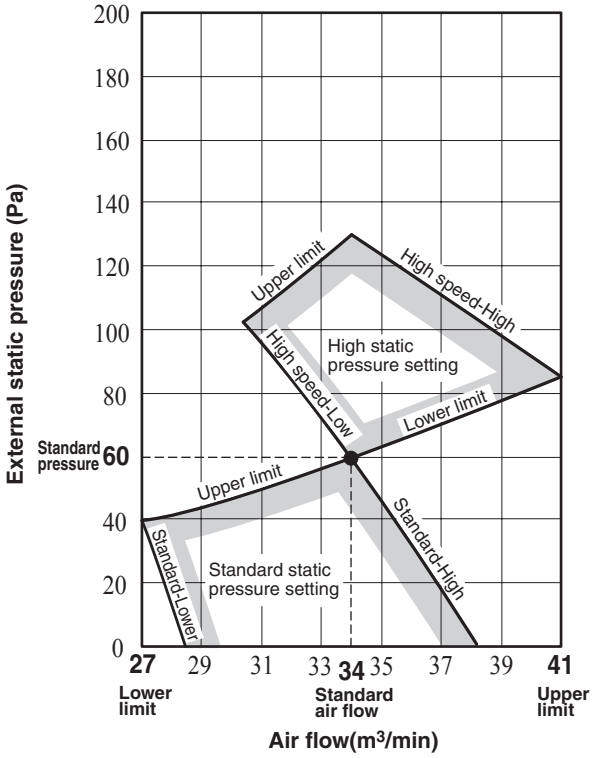
(c) Duct connected-High static pressure type (FDU)

Note 1) Factory default setting of fan speed is [STANDARD] which has standard static pressure.
If high static pressure setting is requied, change setting to [HIGH SPEED 1] whit remote controller on site.
(Regarding the setting method, refer to the user's manual of remote controller for detall)
2) When setting up high static pressure, do not operate the unit under the condition of 60Pa or lower of the external static pressure.
3) The fan speed of this model can be switched between two speeds.

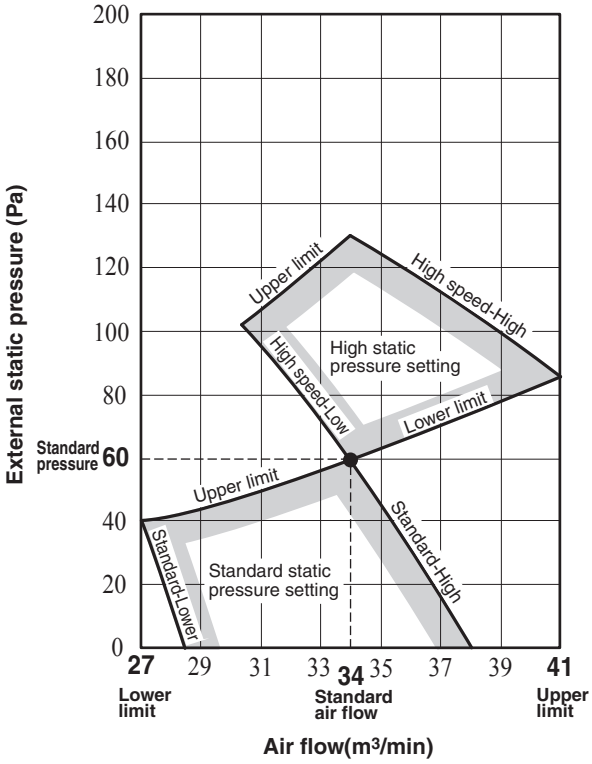
Model FDU71KXE6D



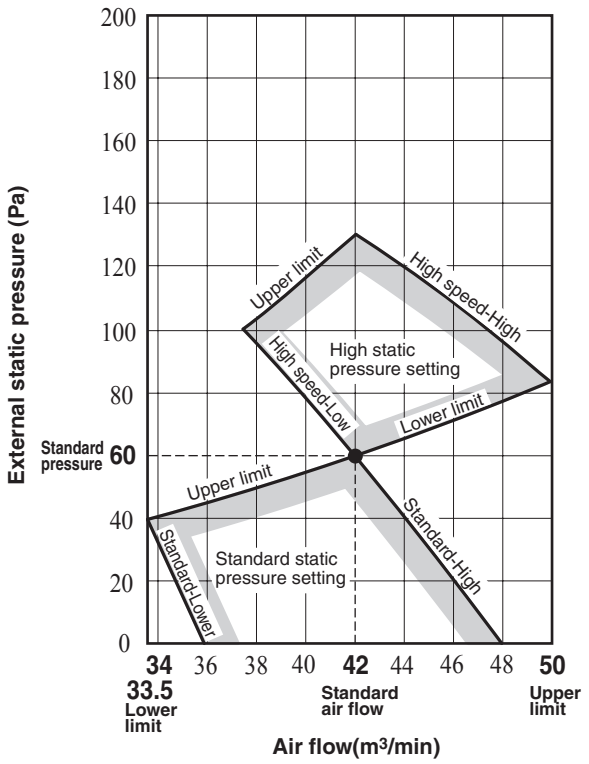
Model FDU90KXE6D



Model FDU112KXE6D

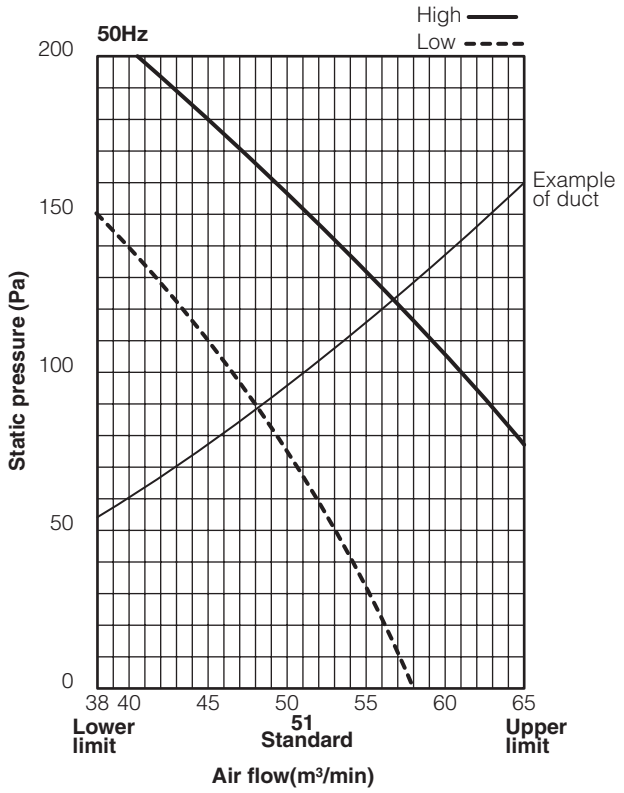


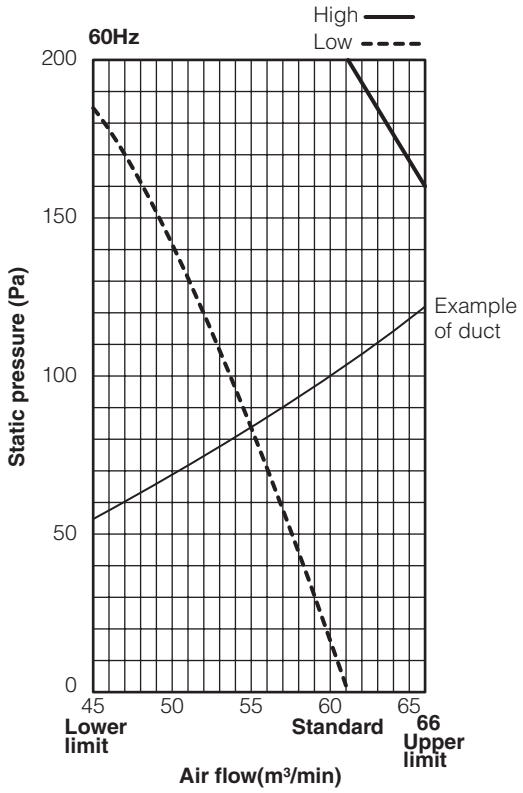
Model FDU140KXE6D



Model FDU224KXE6F

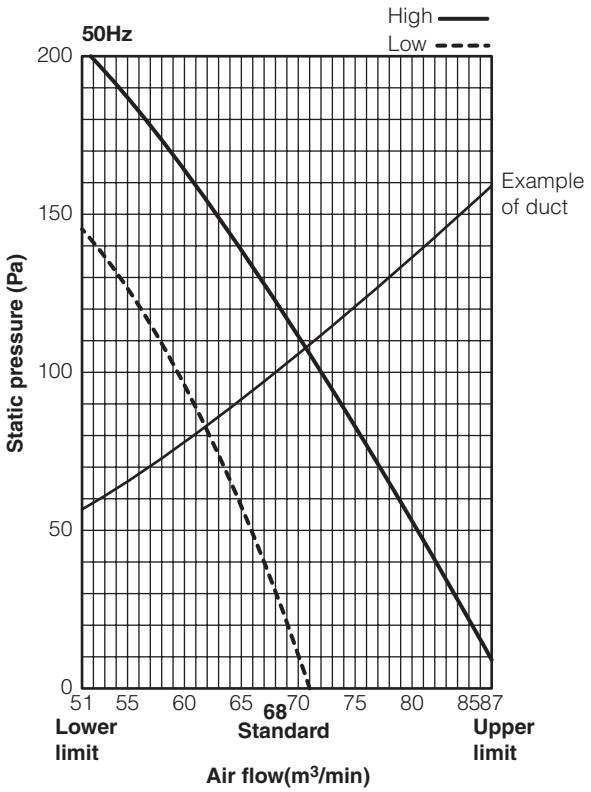
■Standard (Factory Settings)

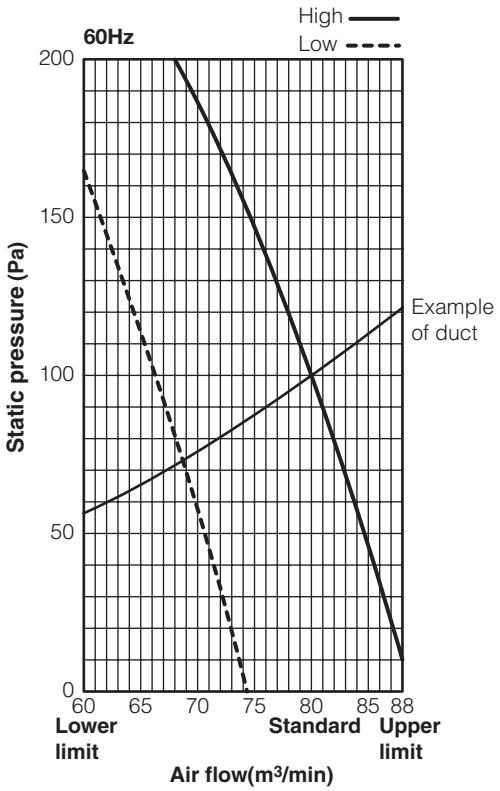




Model FDU280KXE6F

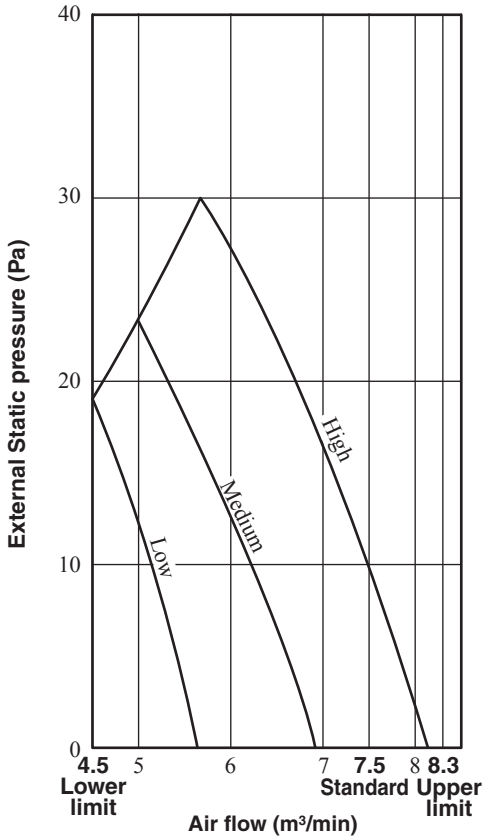
■Standard (Factory Settings)



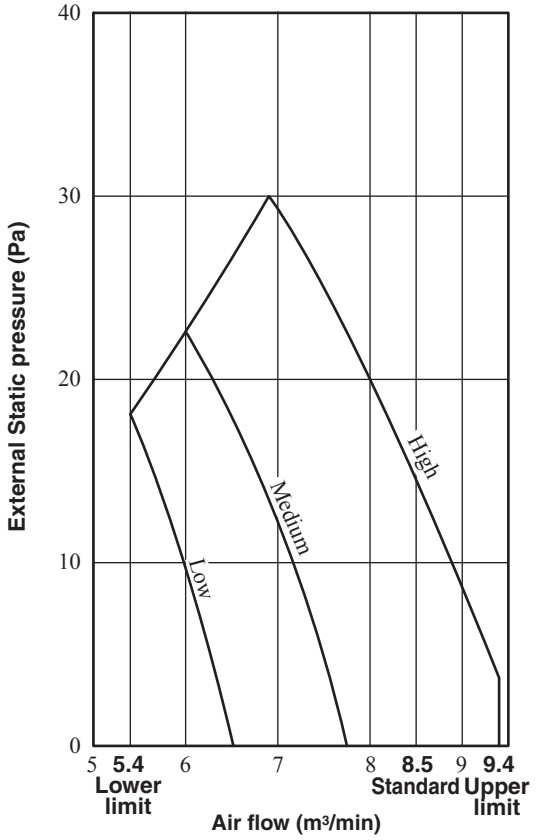


(d) Duct connected (thin)-Low static pressure type (FDUT)

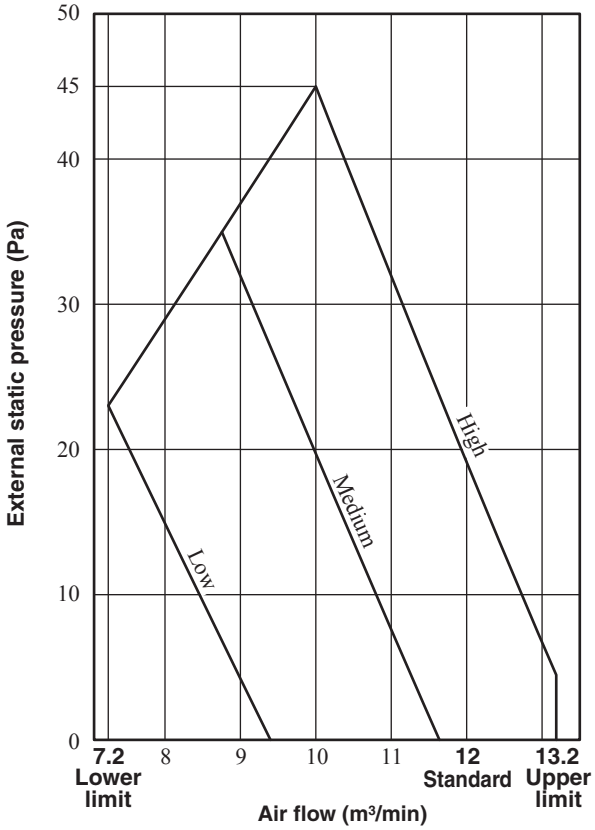
Models FDUT22KXE6D,28KXE6D



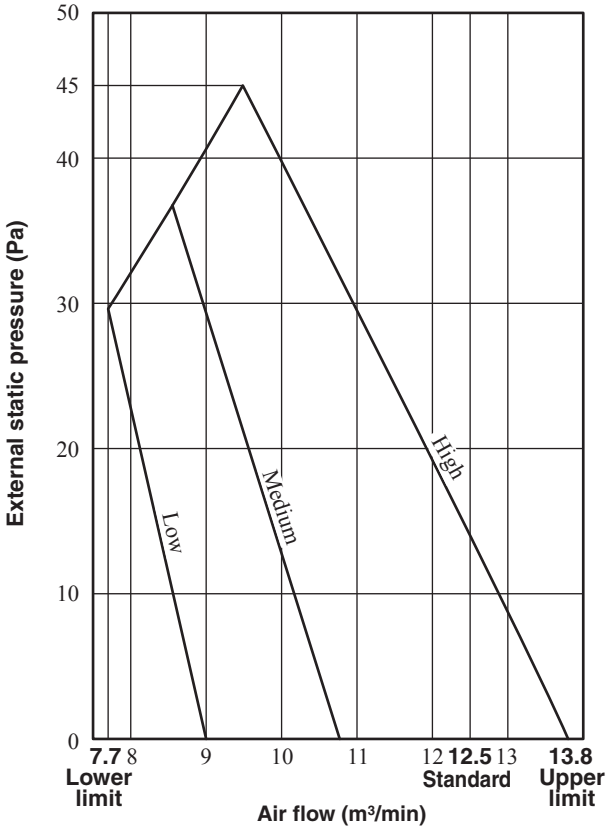
Model FDUT36KXE6D



Model FDUT45KXE6D

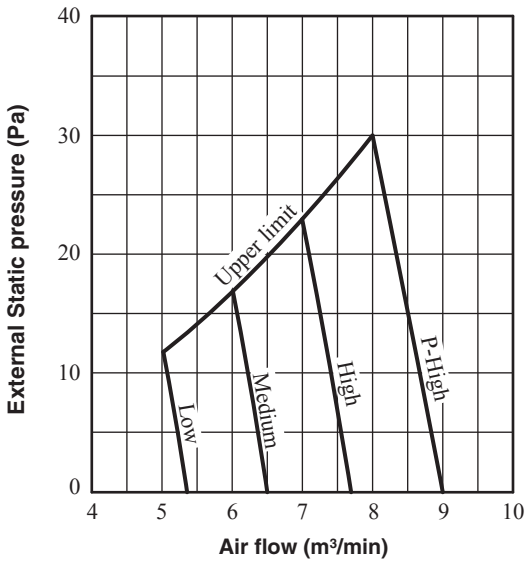


Model FDUT45KXE6D



(e) Duct connected-Compact and Flexible type (FDUH)

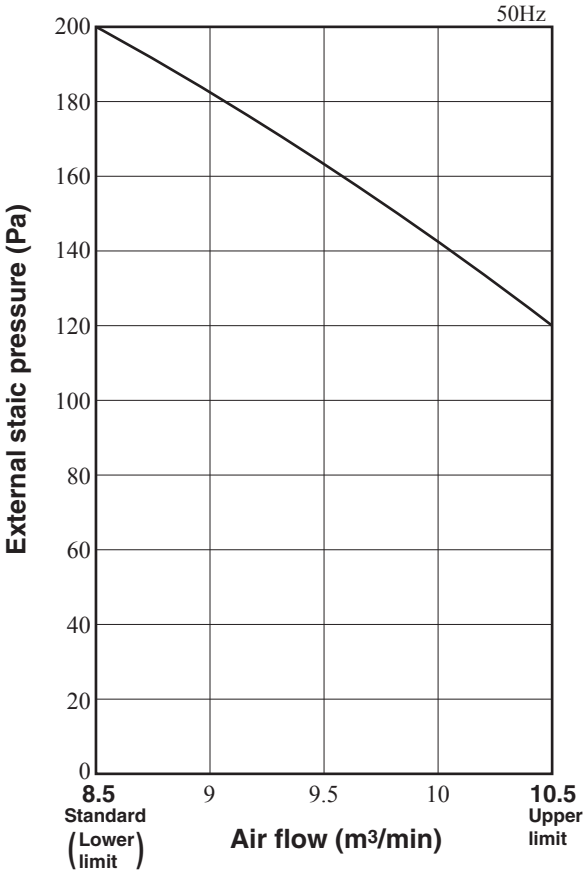
Models FDUH22KXE6F,28KXE6F,36KXE6F

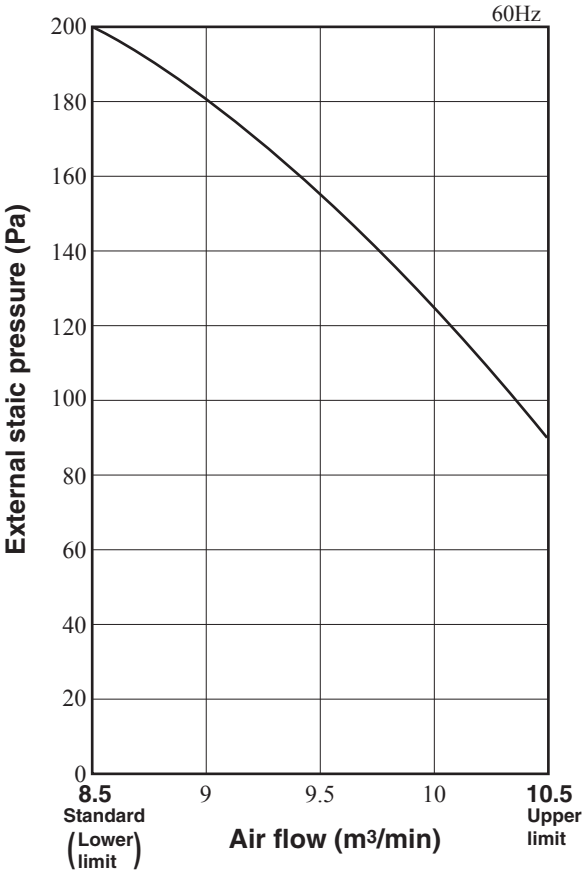


(f) Outdoor air processing unit (FDU-F)

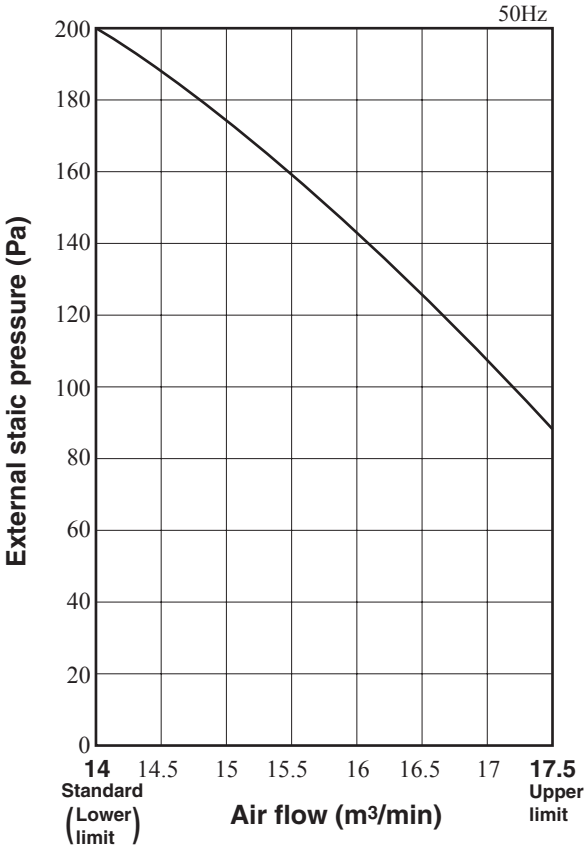
(1) Standard (Factory Settings)

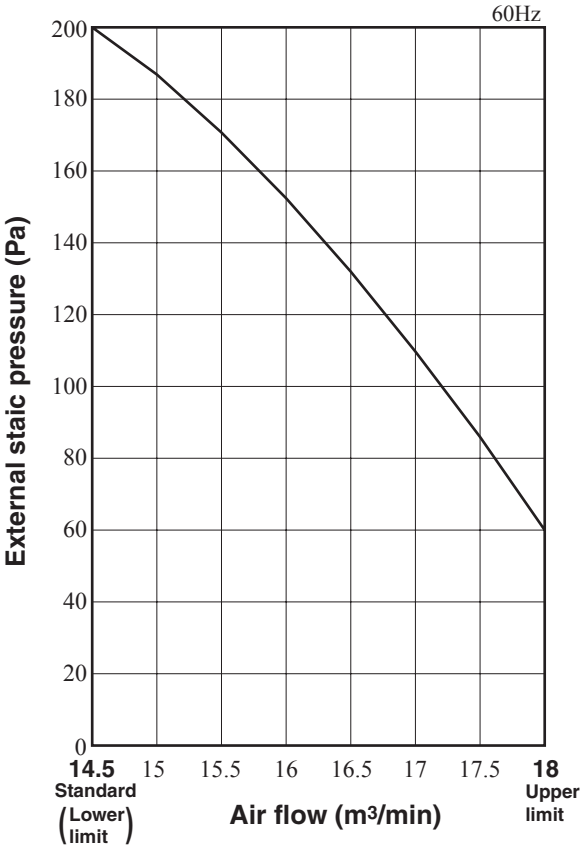
Model FDU500FKXE6F



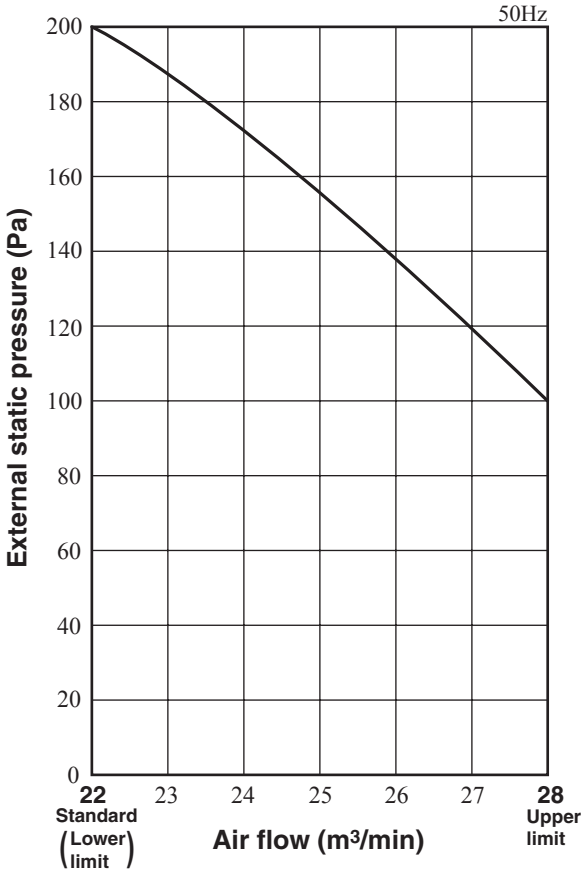


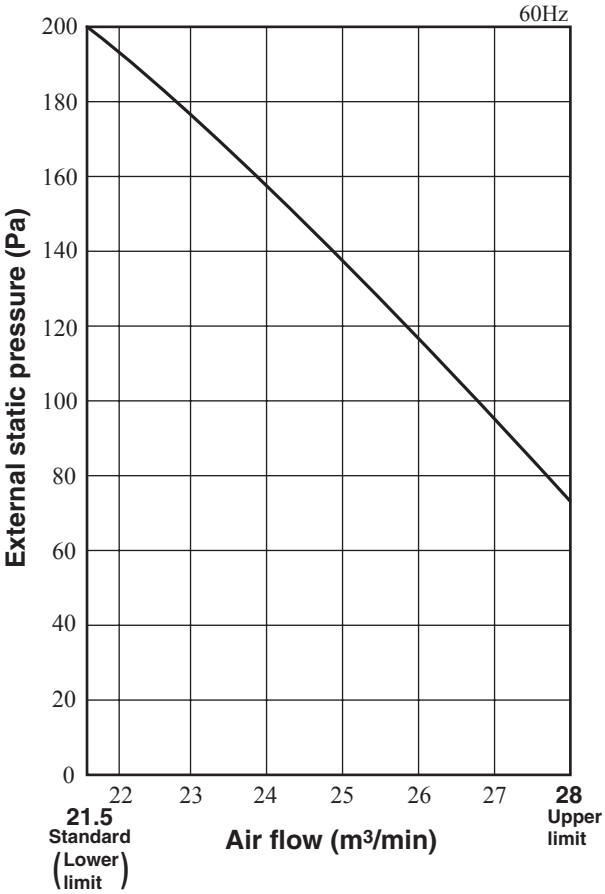
Model FDU850FKXE6F



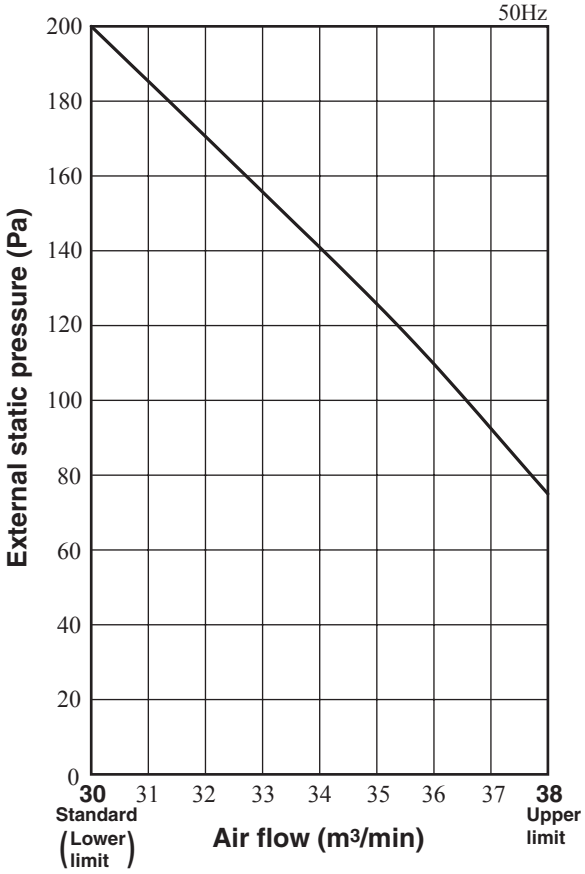


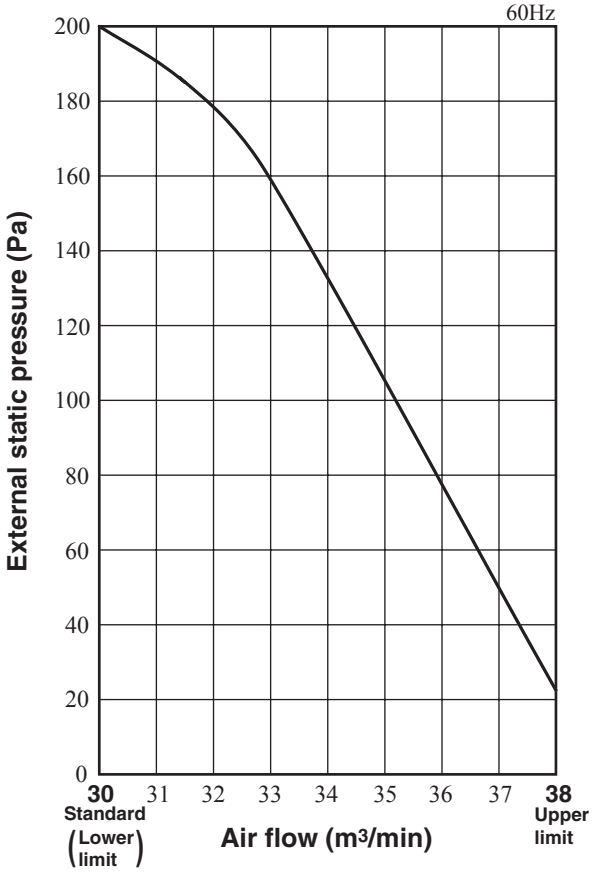
Model FDU1300FKXE6F





Model FDU1800FKXE6F



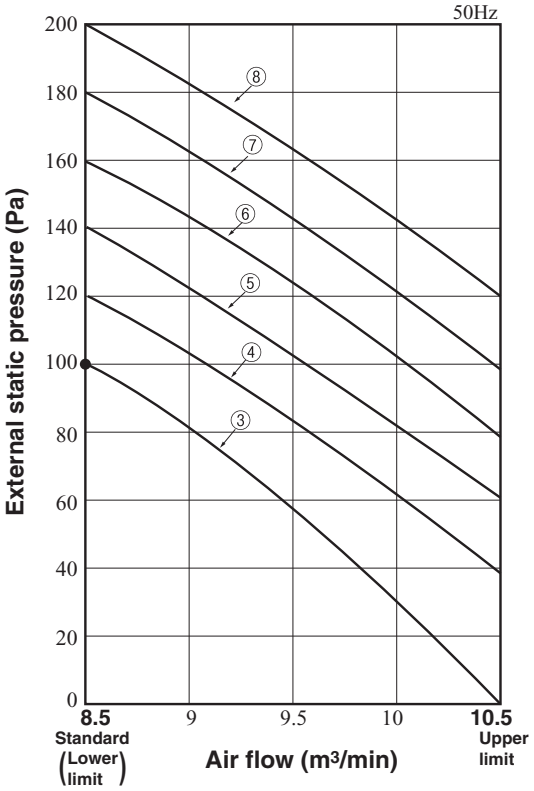


(2) When the fun controller kit is used (Option : U-FCRB)

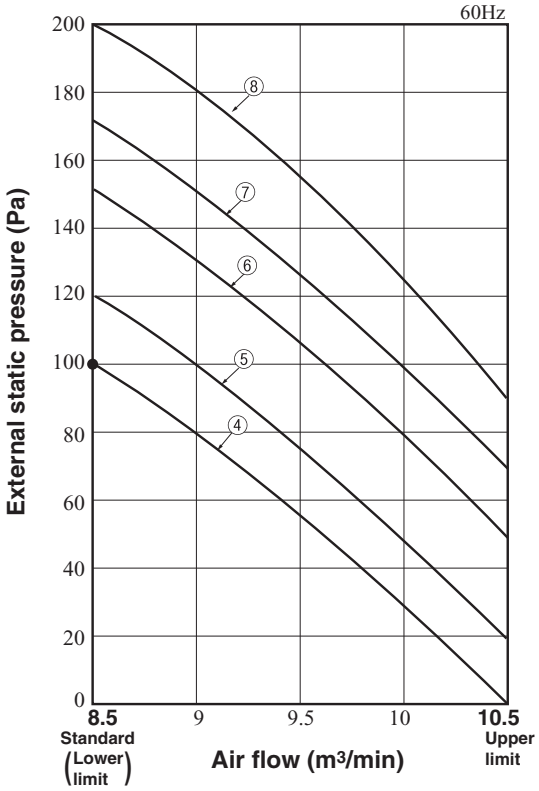
Note (1) Number in an open circle in each property chart indicates the volume No. of the fan controller. Volume numbers not described in the charts are not usable because they are out of the operational flow rate range.

FDU500FKXE6F

• Condition of standard rating
rated air Volume : 100Pa

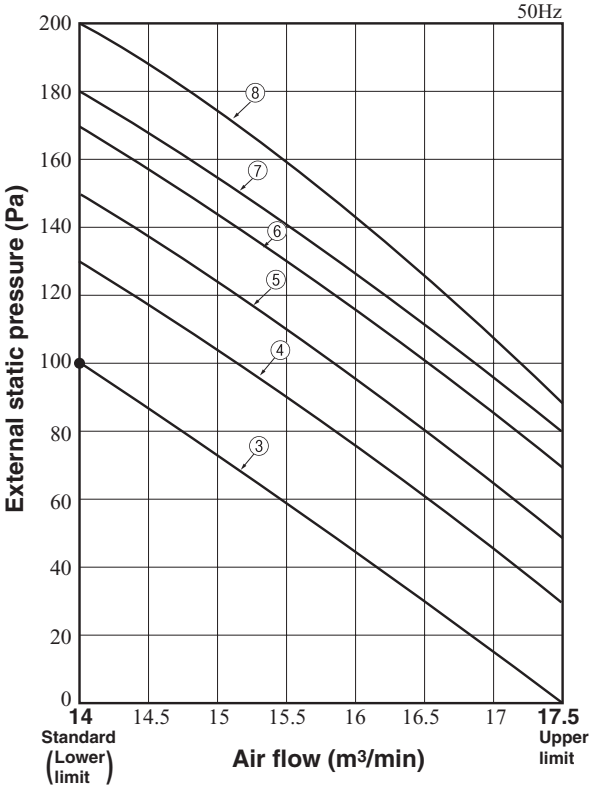


• Condition of standard rating
rated air Volume : 100Pa

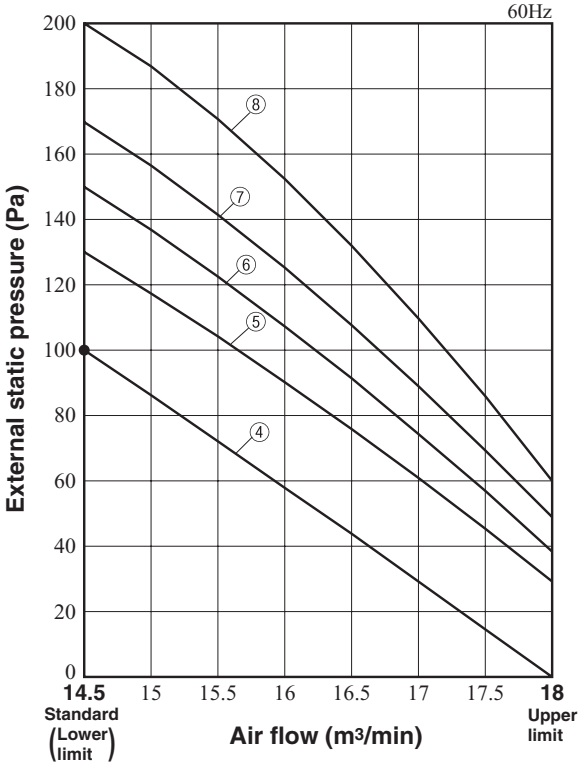


FDU850FKXE6F

• Condition of standard rating
rated air Volume : 100Pa

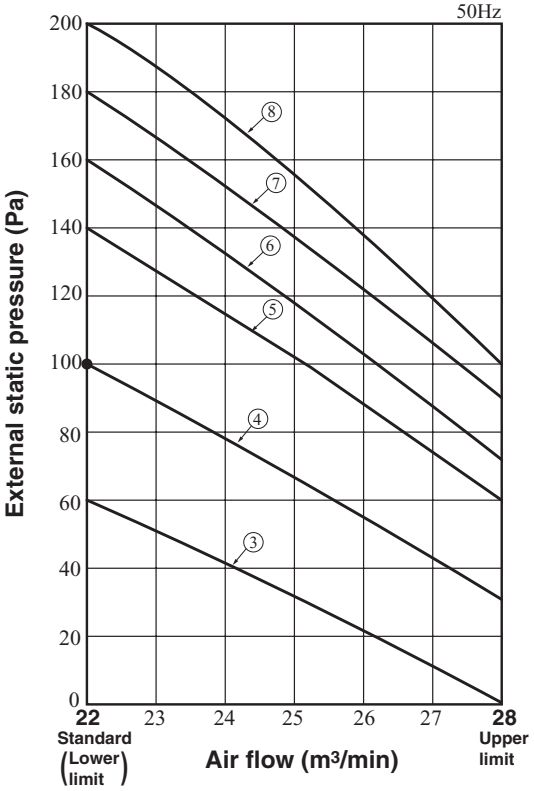


• Condition of standard rating
rated air Volume : 100Pa

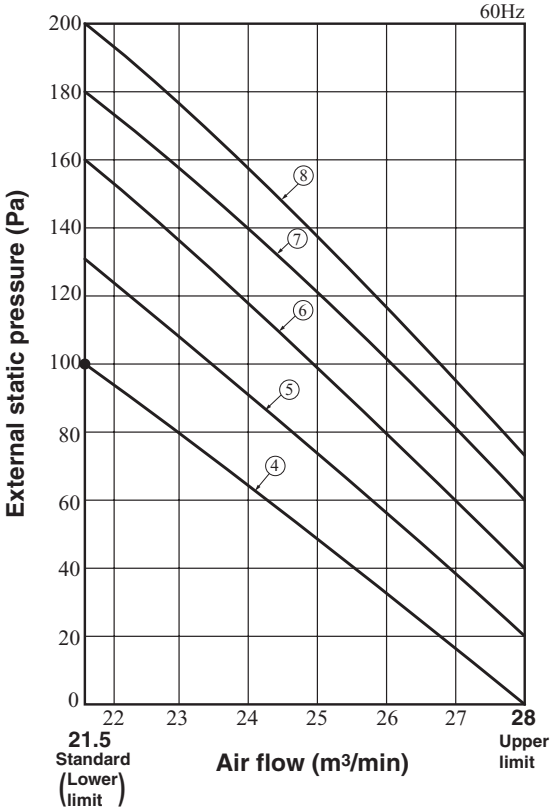


FDU1300FKXE6F

• Condition of standard rating
rated air Volume : 100Pa

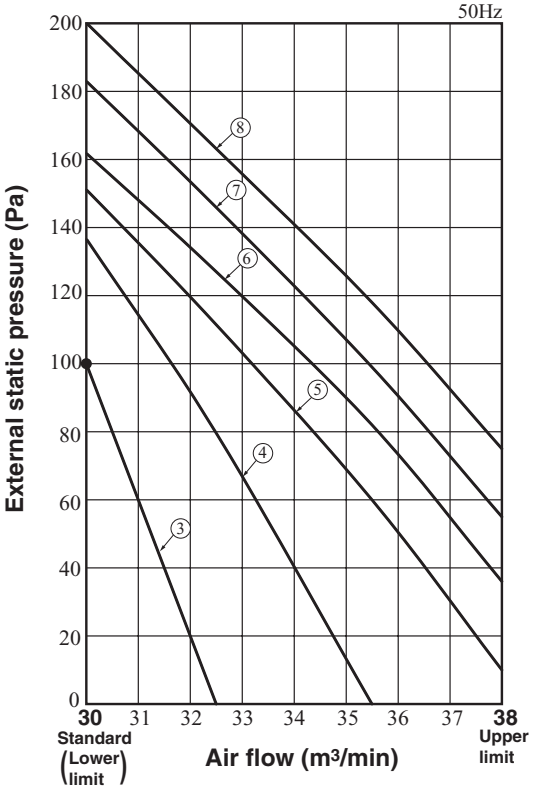


• Condition of standard rating
rated air Volume : 100Pa

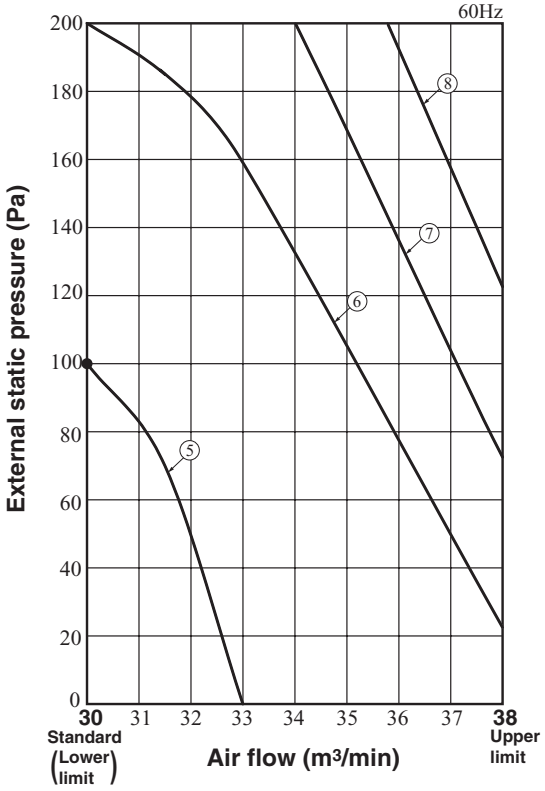


FDU1800FKXE6F

• Condition of standard rating
rated air Volume : 100Pa



• Condition of standard rating
rated air Volume : 100Pa



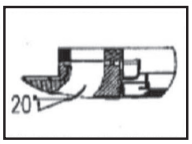
2.6 Temperature and velocity distribution

Indoor temperature
Cooling 27°CDB/19°CWB, Heating 20°CDB
〔Note〕
These figures represent the typical main range of temperature and velocity distribution at the center of air outlet within the published conditions.
In the actual installation, they may differ from the typical figures under the influence of air temperature conditions, ceiling height, operation conditions and obstacles.

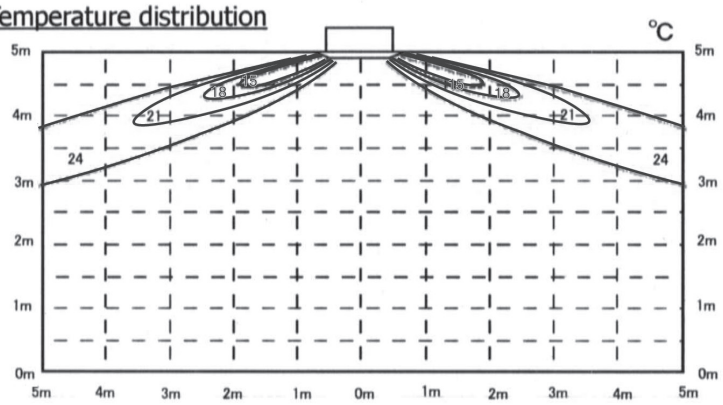
(a) Ceiling cassett-4 way type (FDT)
Models FDT28, 36, 45, 56KXE6F

Cooling Airflow: P-Hi

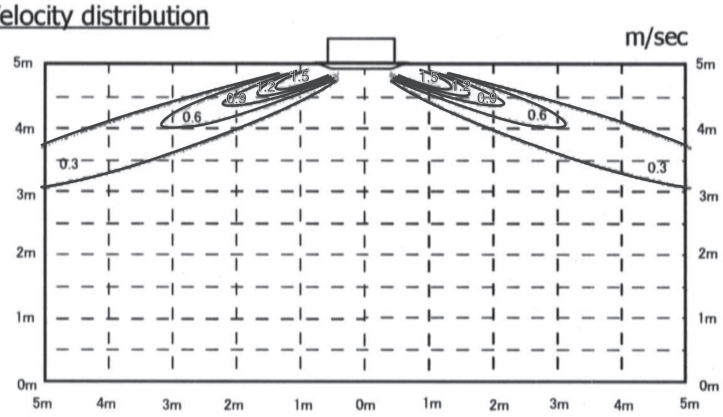
Louver position



Temperature distribution

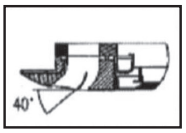


Velocity distribution

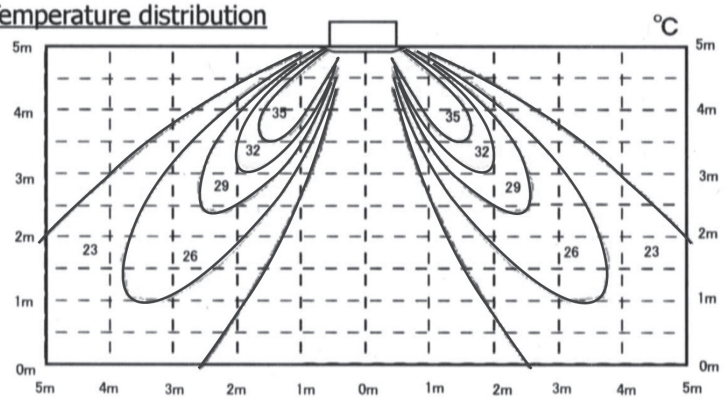


Heating Air flow : P-Hi

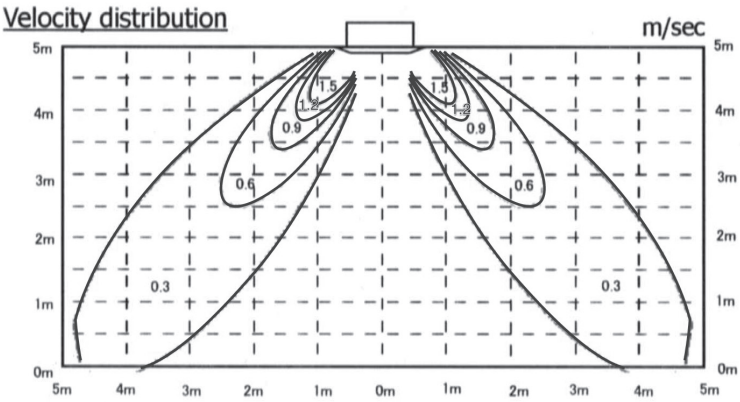
Louver position



Temperature distribution



Velocity distribution

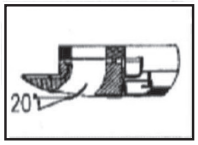


ISD09406

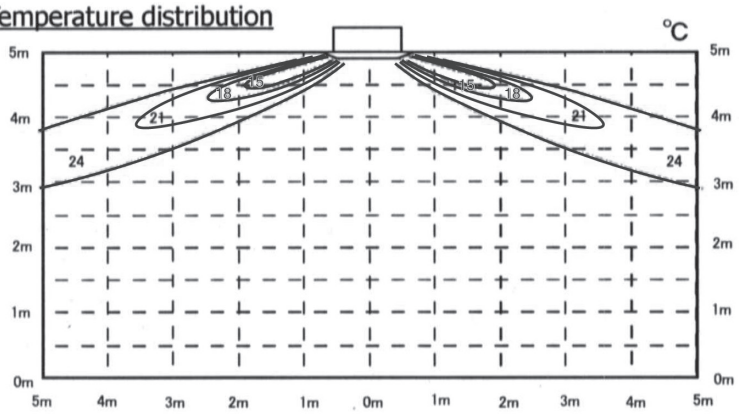
Model FDT71KXE6F

Cooling Airflow: P-Hi

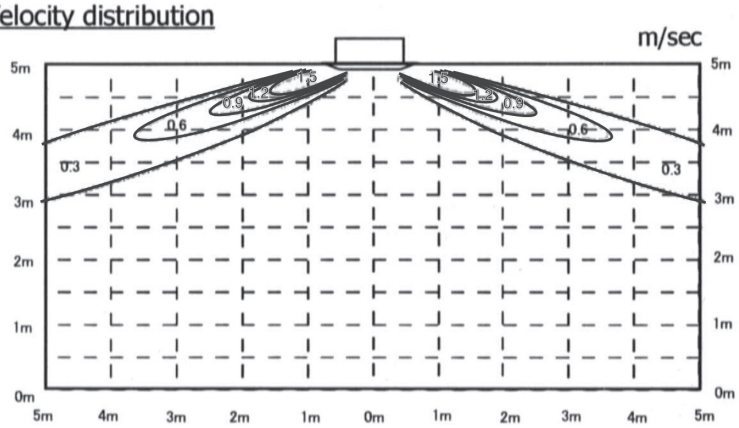
Louver position



Temperature distribution

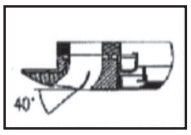


Velocity distribution

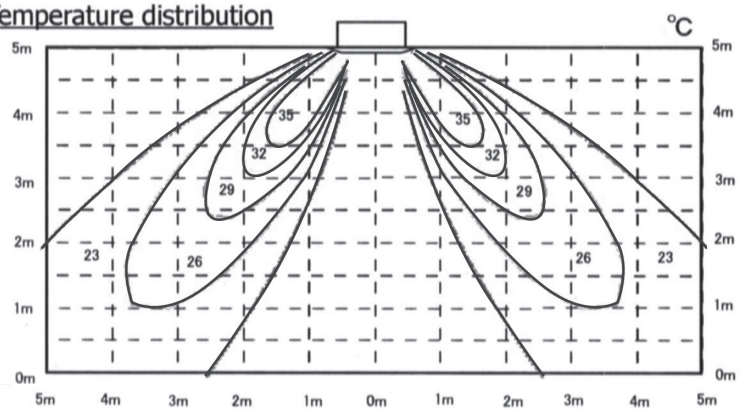


Heating Air flow : P-Hi

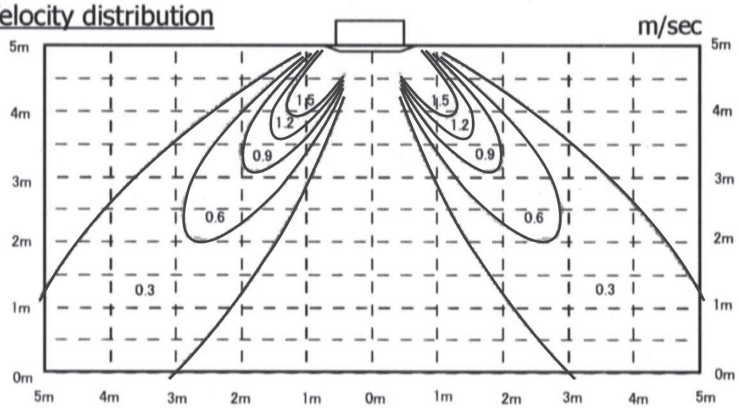
Louver position



Temperature distribution



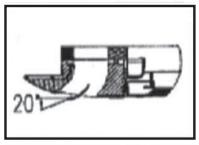
Velocity distribution



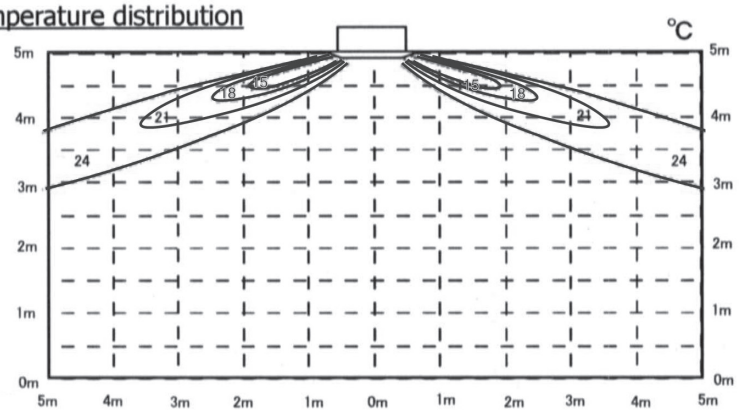
Models FDT90, 112, 140, 160KXE6F

Cooling Airflow: P-Hi

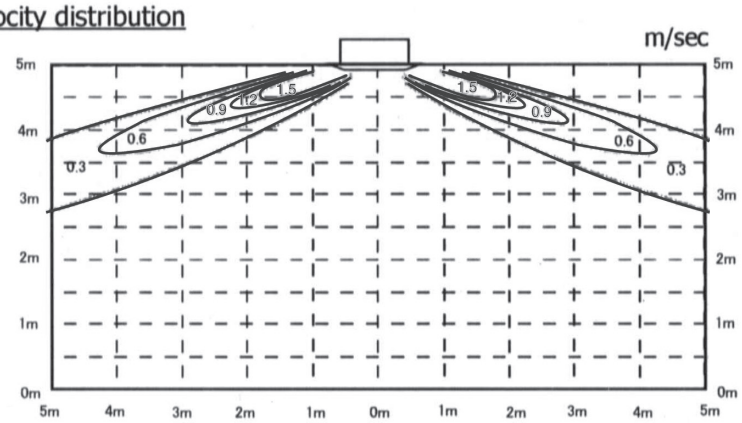
Louver position



Temperature distribution

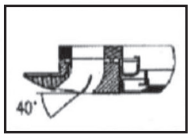


Velocity distribution

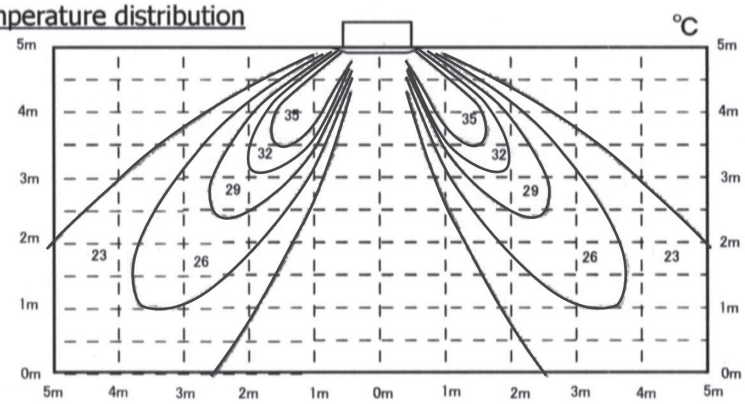


Heating Air flow : P-Hi

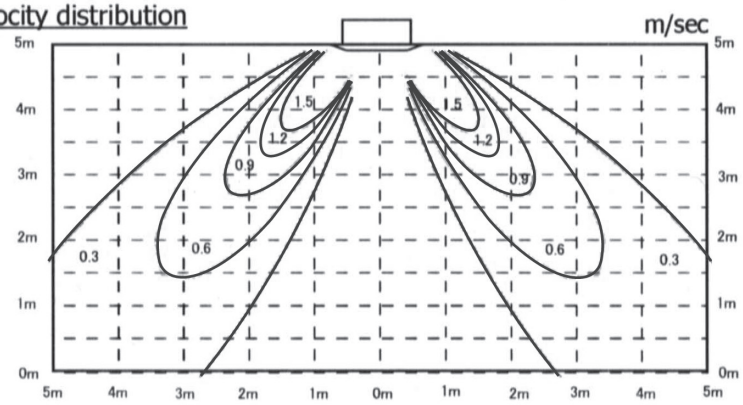
Louver position



Temperature distribution



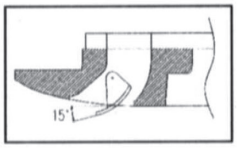
Velocity distribution



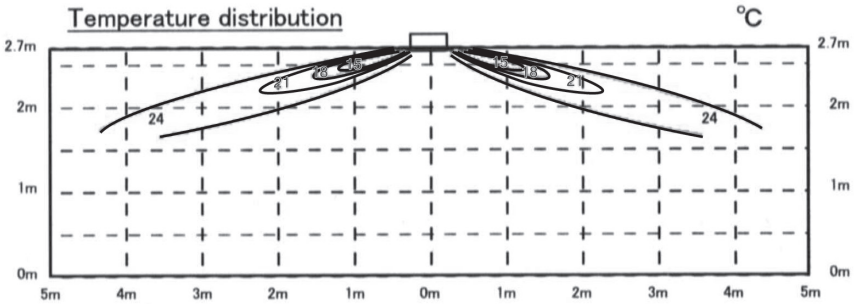
(b) Ceiling cassette-4 way-compact type (FDTC)
Models FDTC22, 28KXE6F

Cooling Air flow: P-Hi

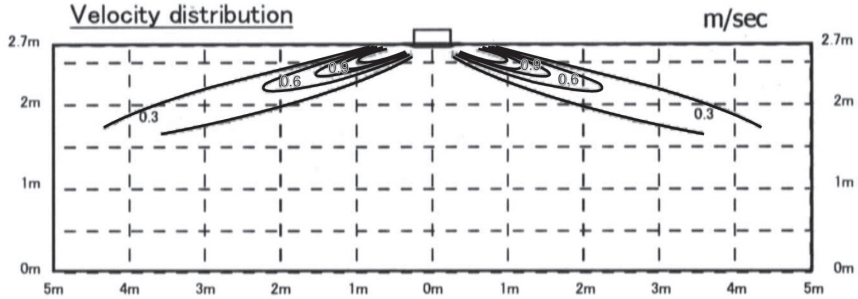
Louver position



Temperature distribution

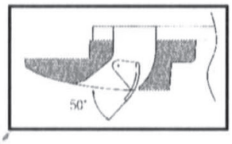


Velocity distribution

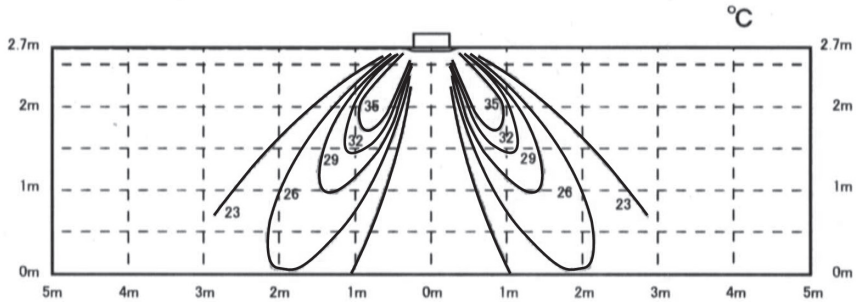


Heating Air flow: P-Hi

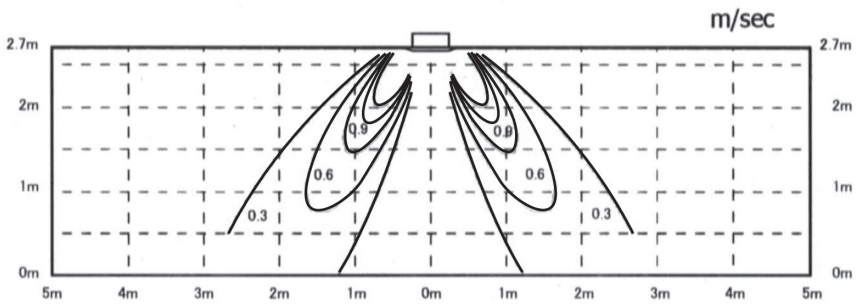
Louver position



Temperature distribution



Velocity distribution

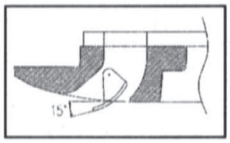


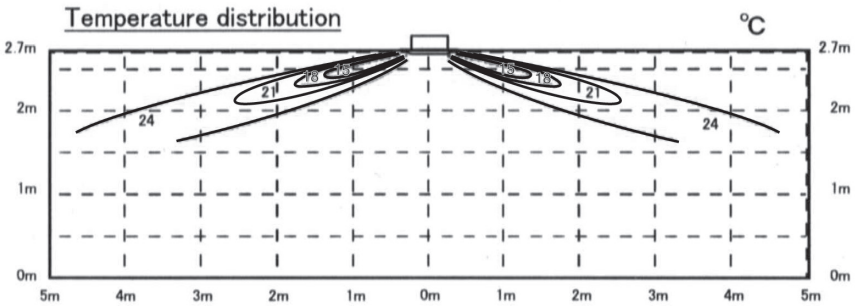
ISD09407

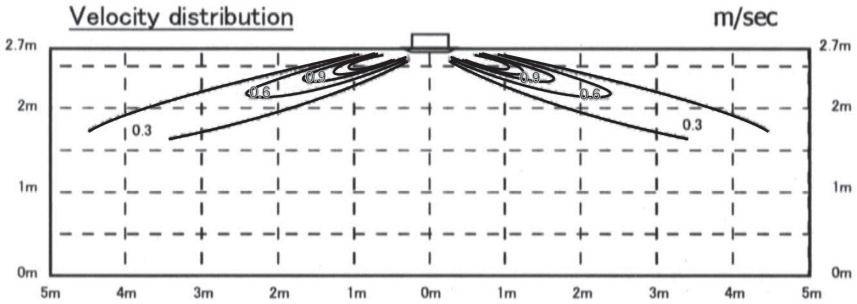
Model FDTC36KXE6F

Cooling Air flow: P-Hi

Louver position

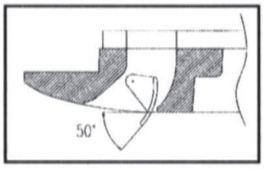


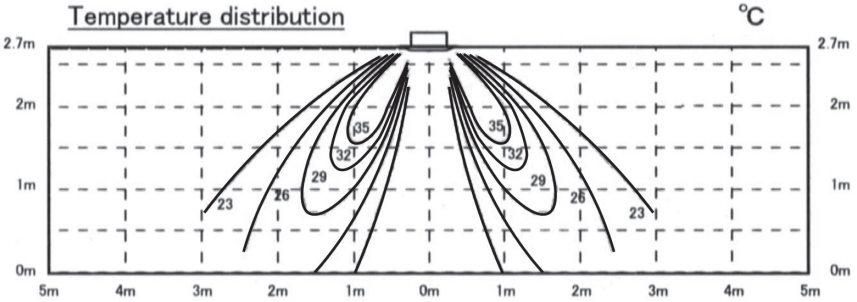


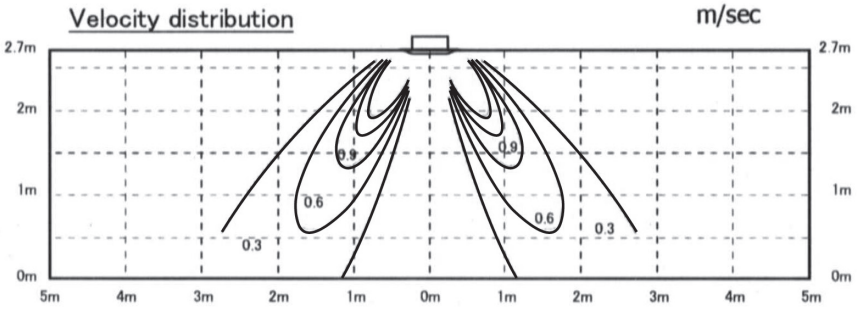


Heating Air flow: P-Hi

Louver position



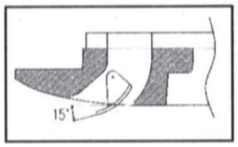


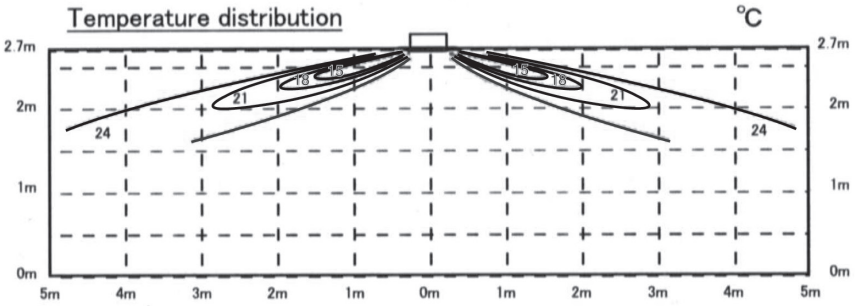


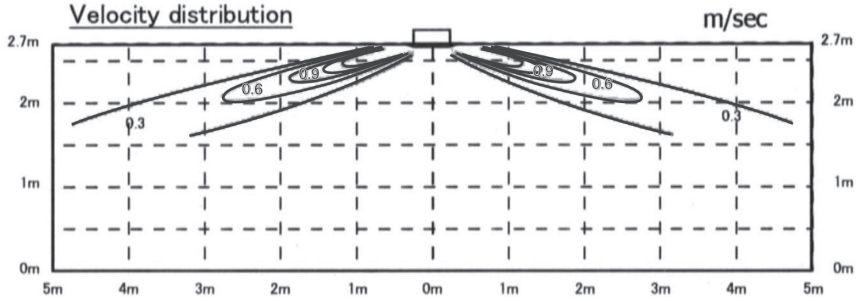
Model FDTC45KXE6F

Cooling Air flow: P-Hi

Louver position

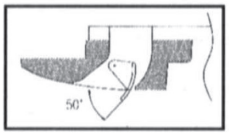


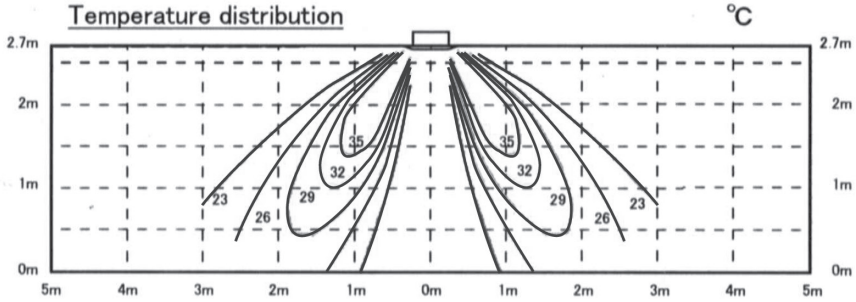


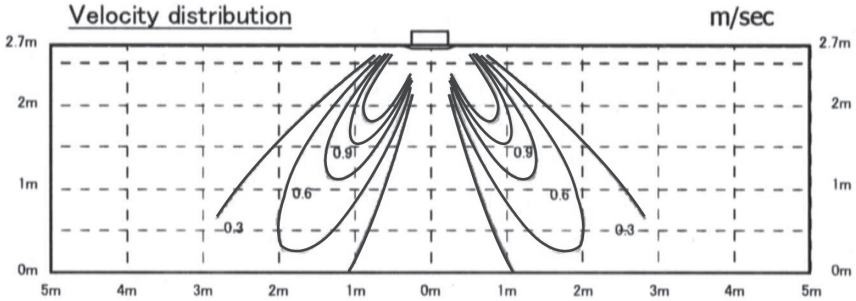


Heating Air flow: P-Hi

Louver position



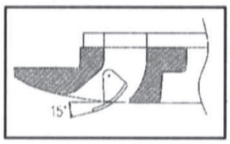


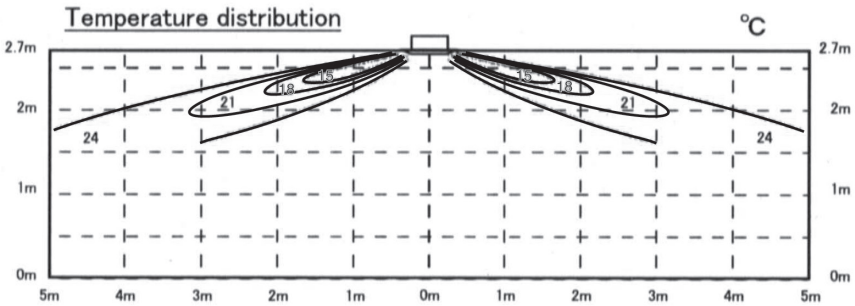


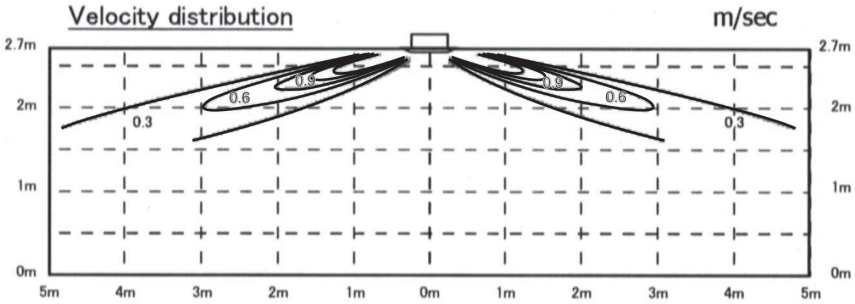
Model FDTC56KXE6F

Cooling Air flow: P-Hi

Louver position

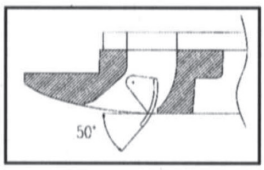


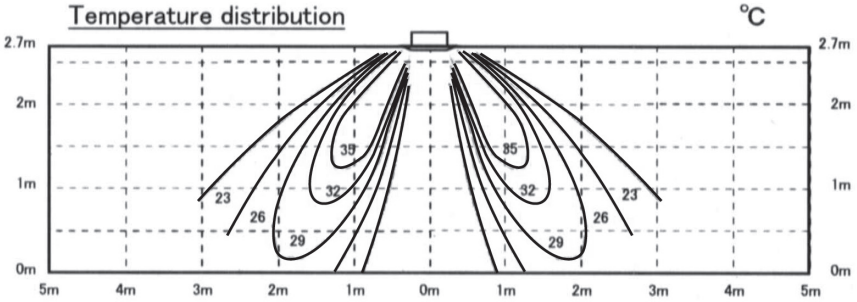


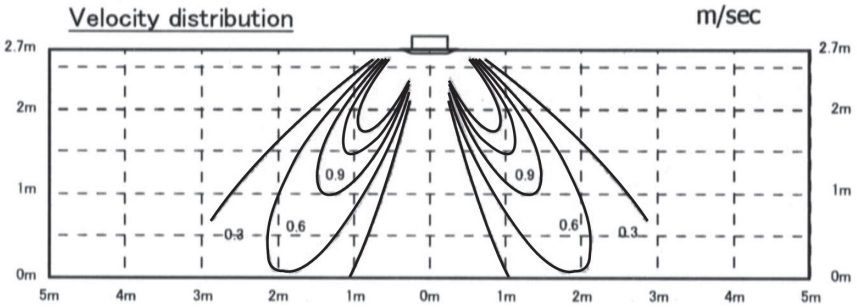


Heating Air flow: P-Hi

Louver position



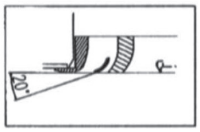




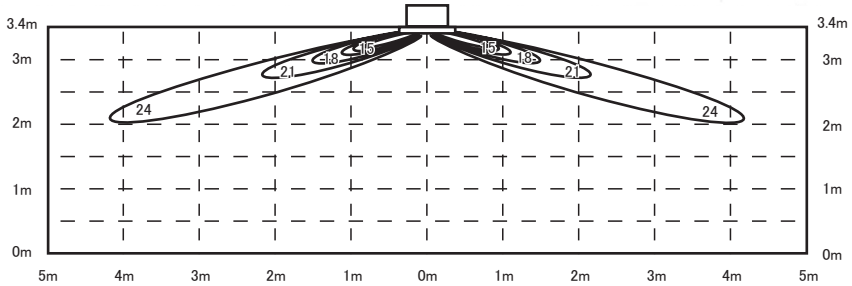
(c) Ceiling cassette-2 way type (FDTW)
Models FDTW28, 45, 56, 71KXE6F

Cooling Air flow: P-Hi

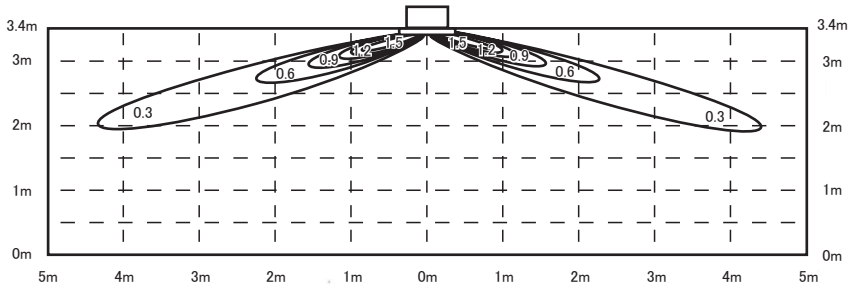
Louver position



Temperature distribution °C

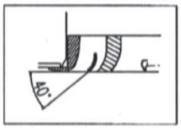


Velocity distribution m/sec

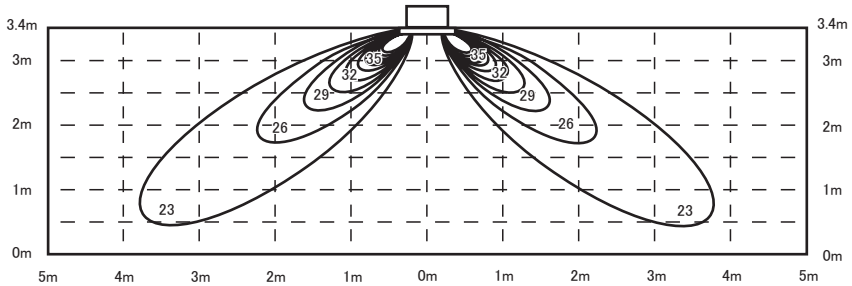


Heating Air flow: P-Hi

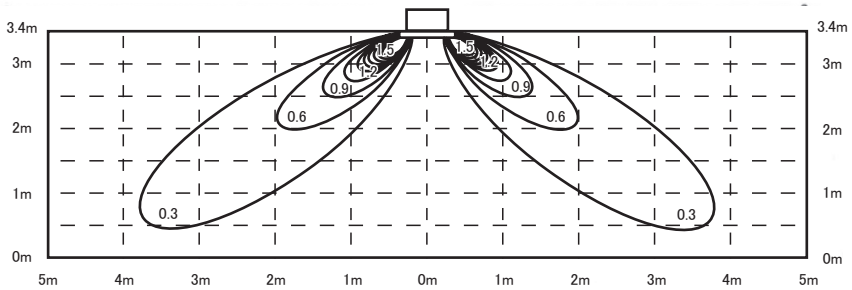
Louver position



Temperature distribution °C



Velocity distribution m/sec

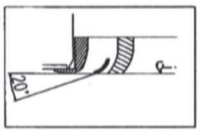


ISD11579

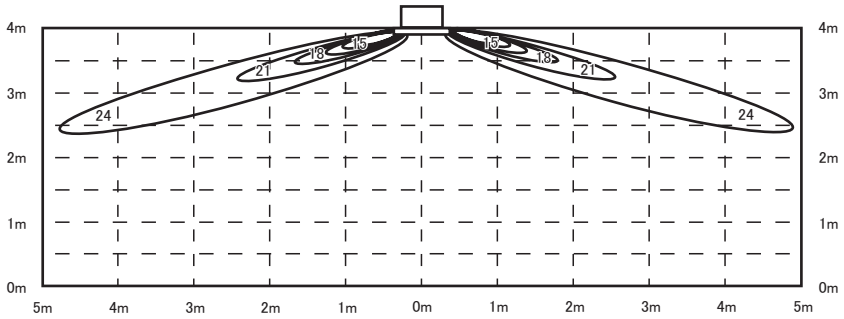
Models FDTW90, 112, 140KXE6F

Cooling Air flow: P-Hi

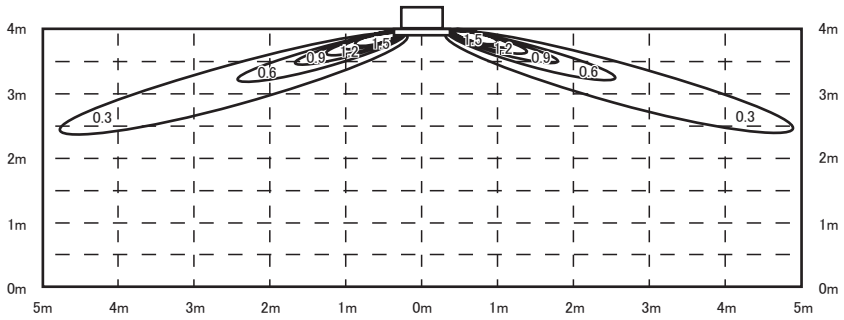
Louver position



Temperature distribution ℃

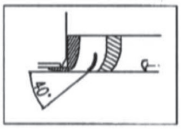


Velocity distribution m/sec

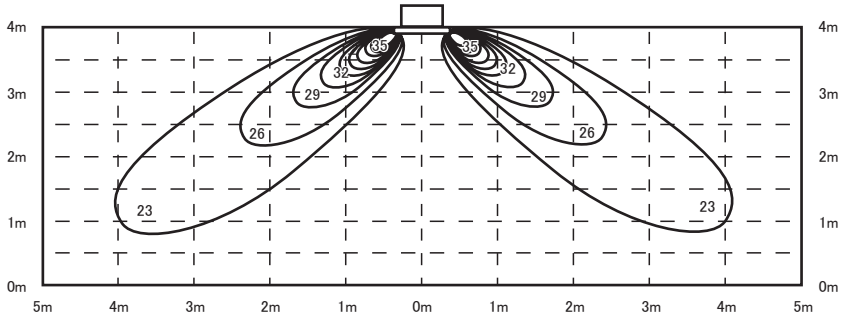


Heating Air flow: P-Hi

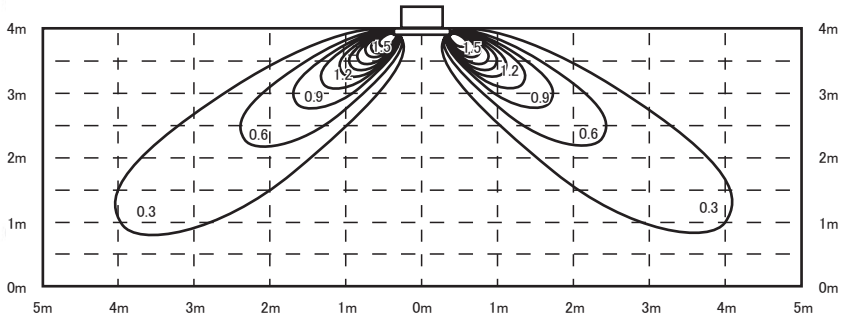
Louver position



Temperature distribution ℃



Velocity distribution m/sec

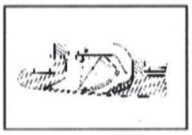


(d) Ceiling cassette-1 way compact type (FDTQ)

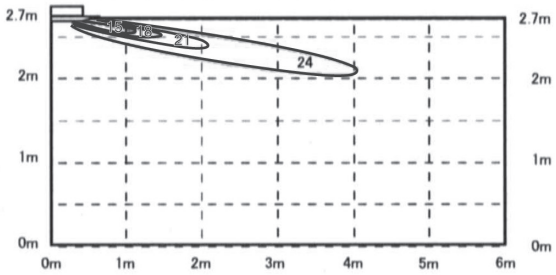
Models FDTQ22, 28, 36KXE6F

Cooling Air flow: P-Hi

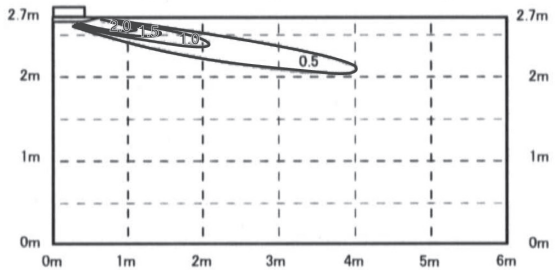
Louver position



Temperature distribution °C

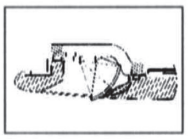


Velocity distribution m/sec

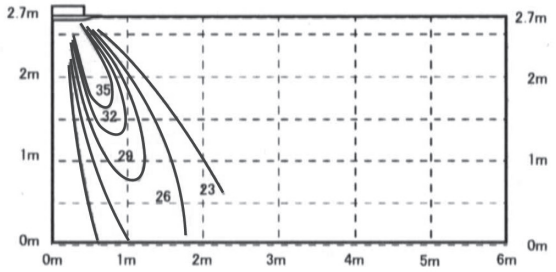


Heating Air flow: P-Hi

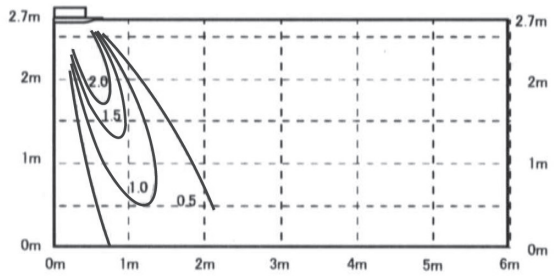
Louver position



Temperature distribution °C



Velocity distribution m/sec



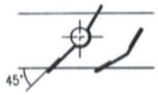
ISD09410

(e) Ceiling cassette-1 way type (FDTS)

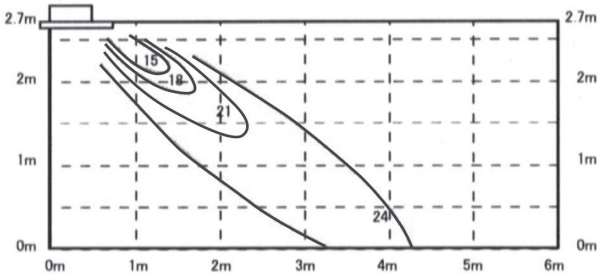
Model FDTS45KXE6D

Cooling Air flow: P-Hi

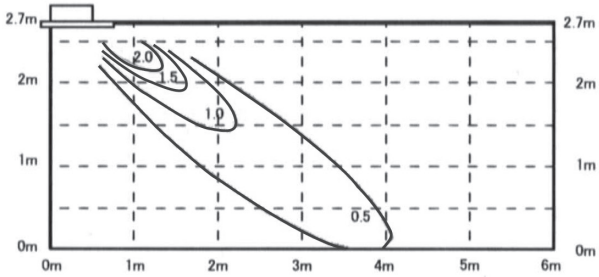
Louver position



Temperature distribution °C

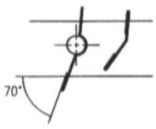


Velocity distribution m/sec

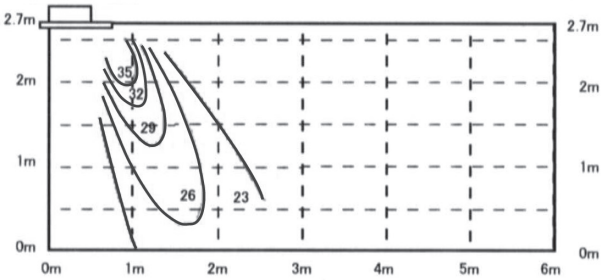


Heating Air flow: P-Hi

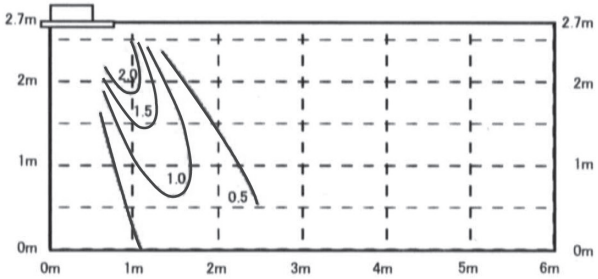
Louver position



Temperature distribution °C



Velocity distribution m/sec

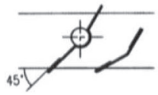


ISD09413

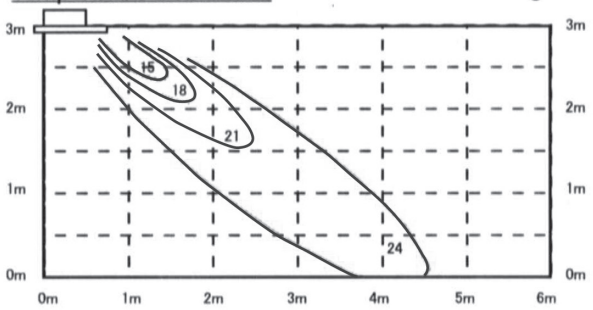
Model FDTS71KXE6D

Cooling Air flow: P-Hi

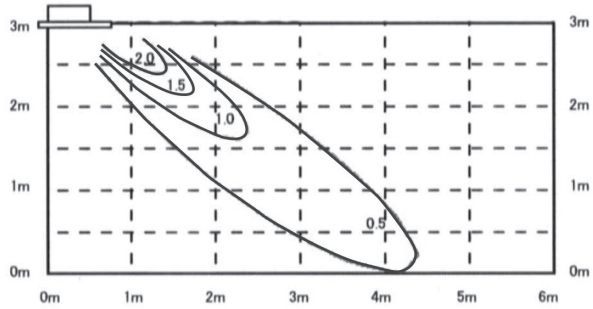
Louver position



Temperature distribution °C

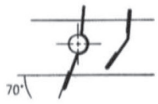


Velocity distribution m/sec

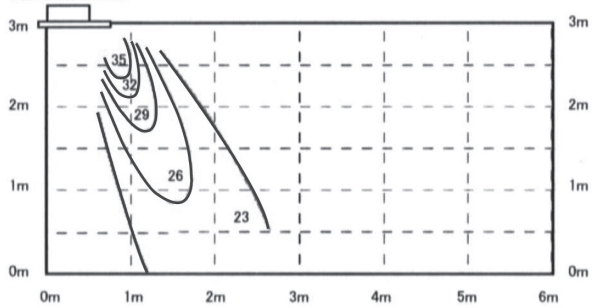


Heating Air flow: P-Hi

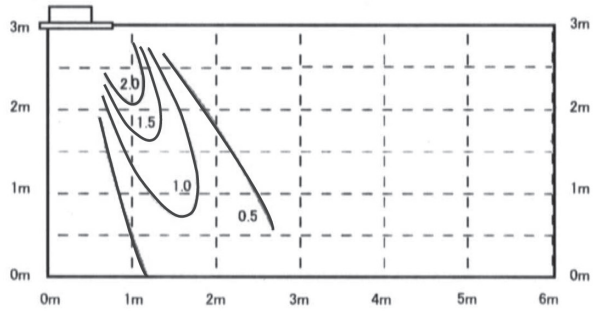
Louver position



Temperature distribution °C



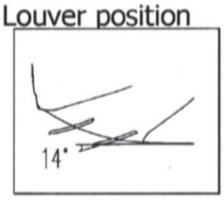
Velocity distribution m/sec



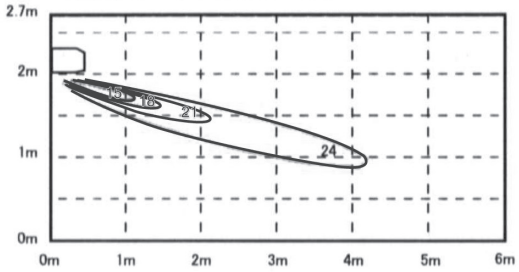
(f) Wall Mounded type (FDK)
Models FDK22, 28KXE6F

Cooling Air flow: P-Hi

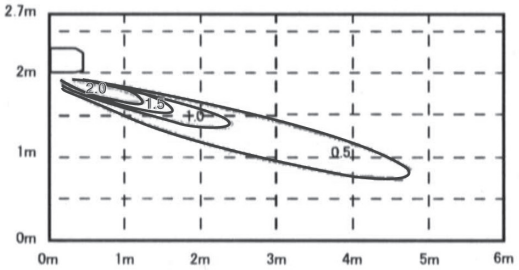
Louver position



Temperature distribution °C

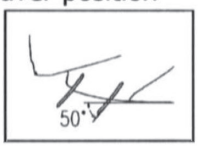


Velocity distribution m/sec

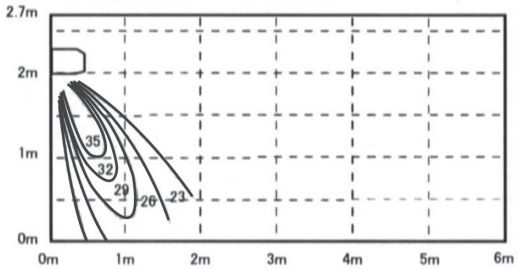


Heating Air flow: P-Hi

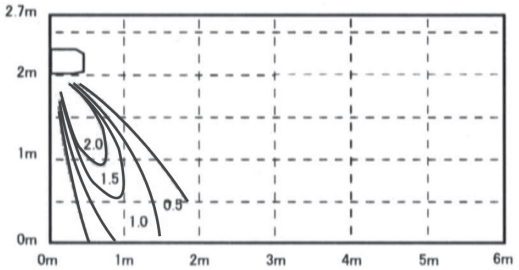
Louver position



Temperature distribution °C



Velocity distribution m/sec

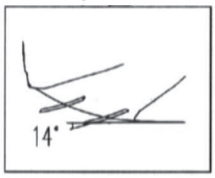


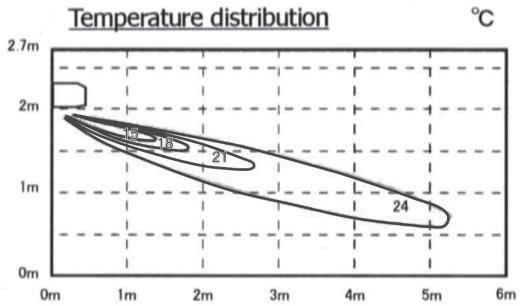
ISD09409

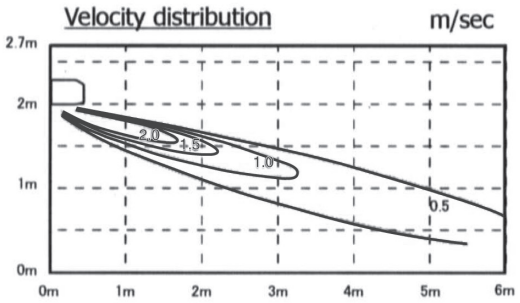
Models FDK36, 45KXE6F

Cooling Air flow: P-Hi

Louver position

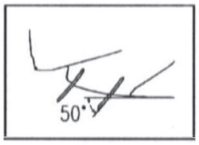


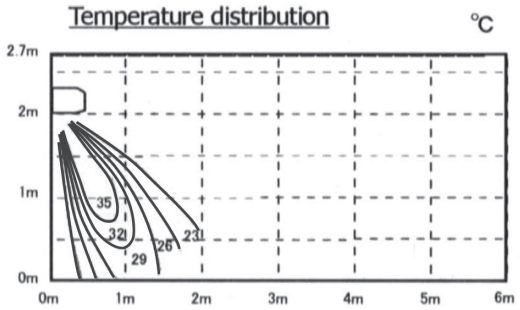


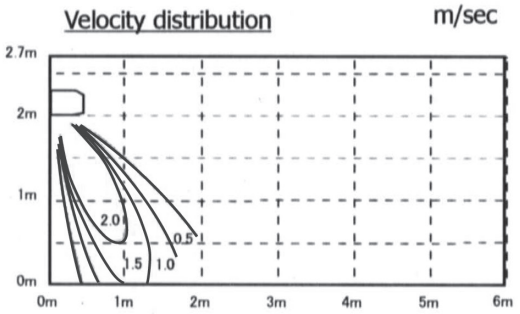


Heating Air flow: P-Hi

Louver position



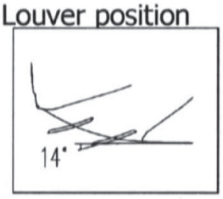




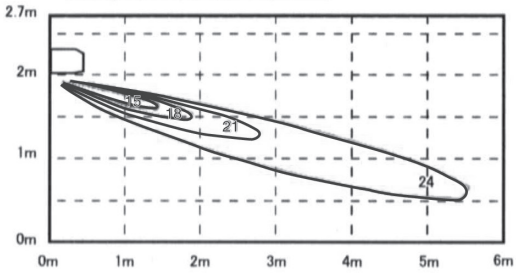
Model FDK56KXE6F

Cooling Air flow: P-Hi

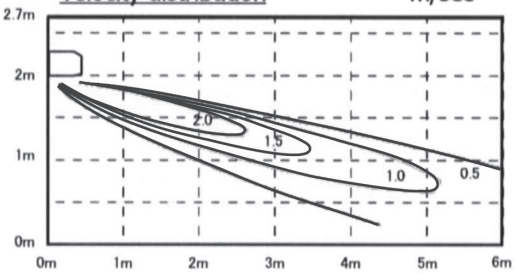
Louver position



Temperature distribution ℃

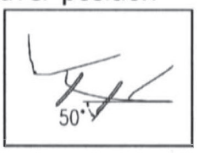


Velocity distribution m/sec

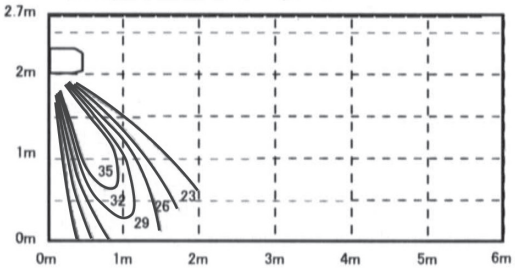


Heating Air flow: P-Hi

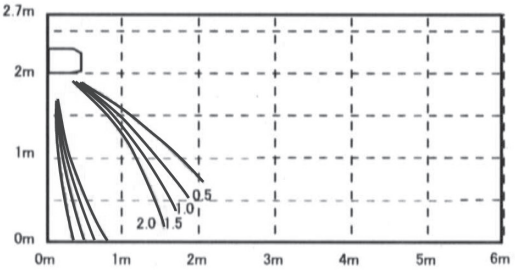
Louver position



Temperature distribution ℃



Velocity distribution m/sec

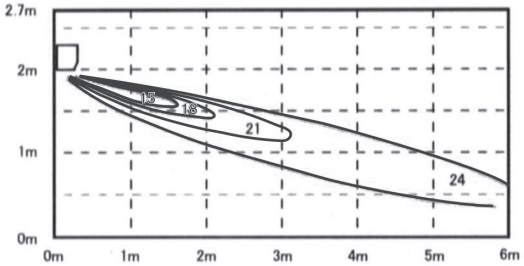


Model FDK71KXE6F

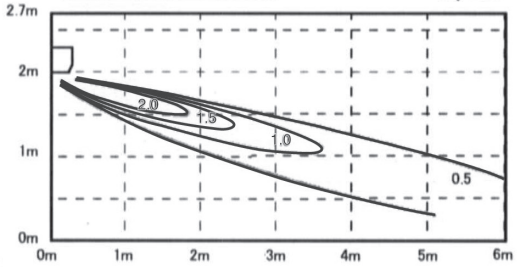
Cooling Air flow: P-Hi

Louver position

Temperature distribution °C

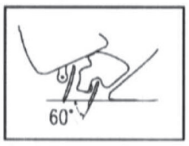


Velocity distribution m/sec

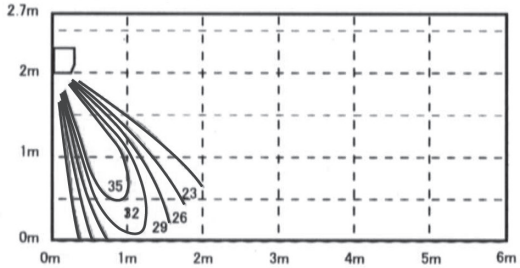


Heating Air flow: P-Hi

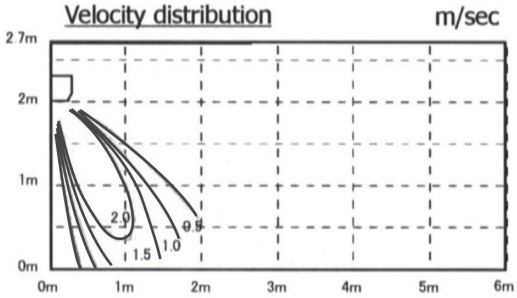
Louver position



Temperature distribution °C



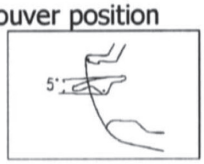
Velocity distribution m/sec



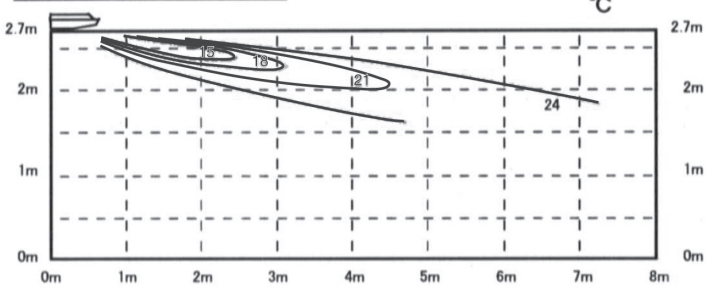
(g) Ceiling Suspended type (FDE)
Models FDE36, 45, 56KXE6F

Cooling Air flow: P-Hi

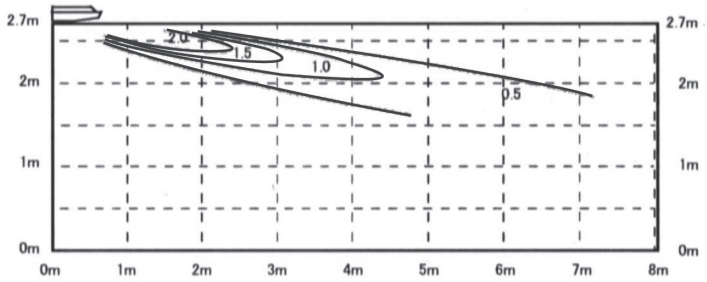
Louver position



Temperature distribution

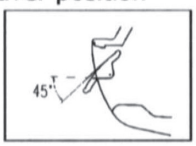


Velocity distribution

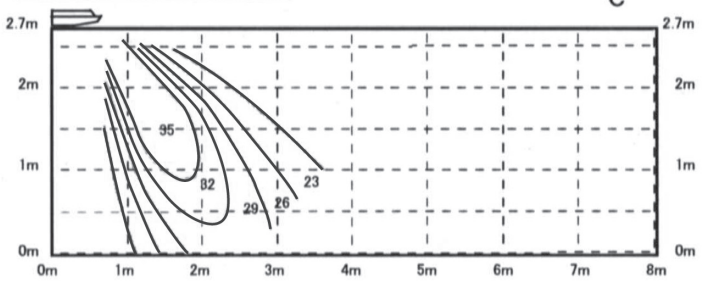


Heating Air flow: P-Hi

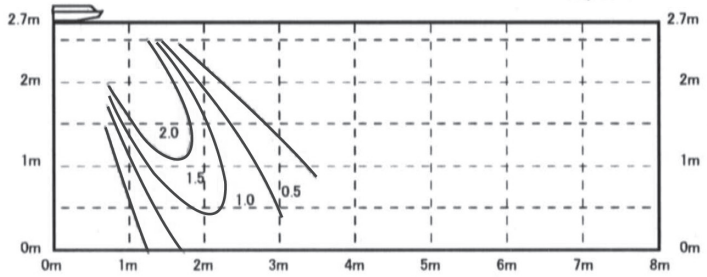
Louver position



Temperature distribution



Velocity distribution

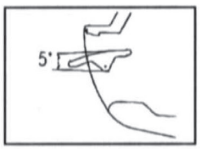


ISD09408

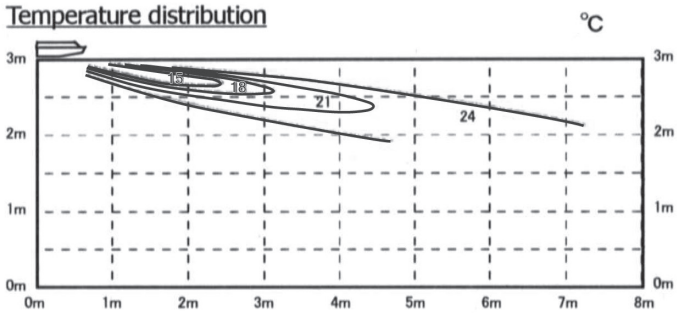
Model FDE71KXE6F

Cooling Air flow: P-Hi

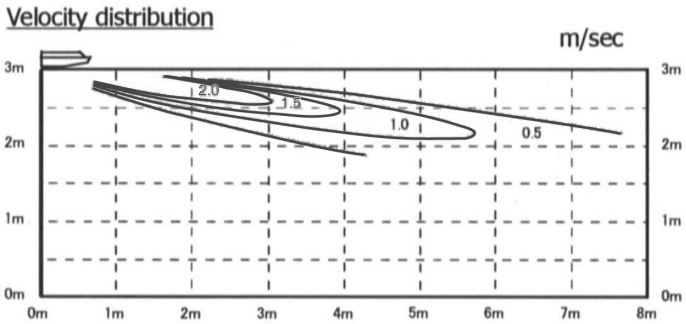
Louver position



Temperature distribution



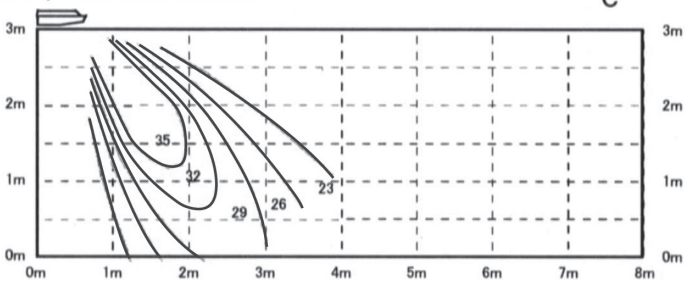
Velocity distribution



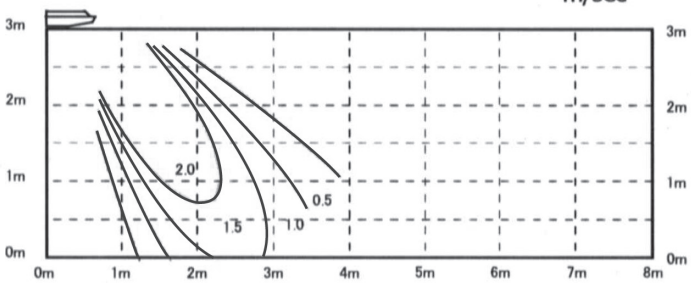
Heating Air flow: P-Hi

Louver position

Temperature distribution



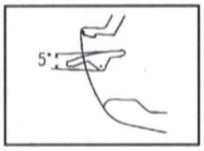
Velocity distribution



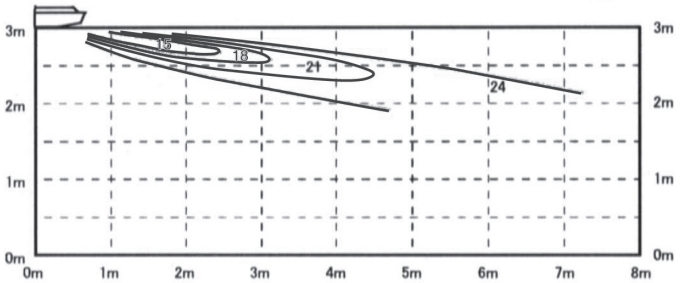
Model FDE112KXE6F

Cooling Air flow: P-Hi

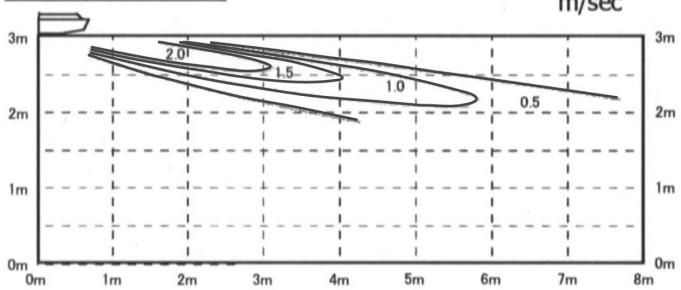
Louver position



Temperature distribution

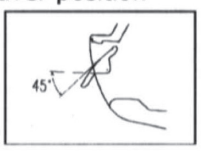


Velocity distribution

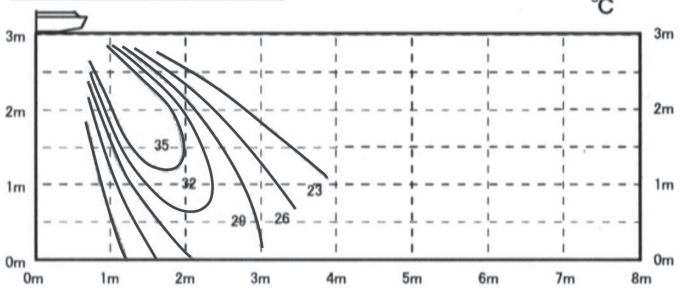


Heating Air flow: P-Hi

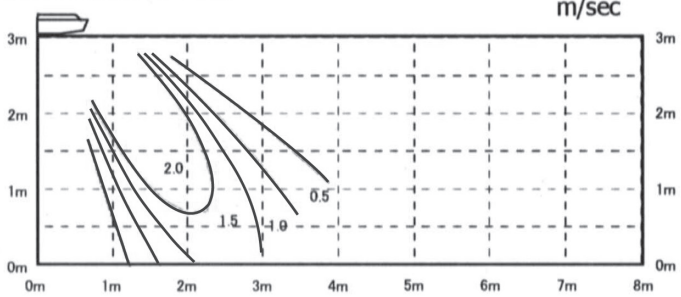
Louver position



Temperature distribution



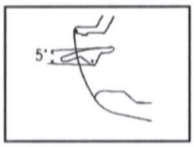
Velocity distribution



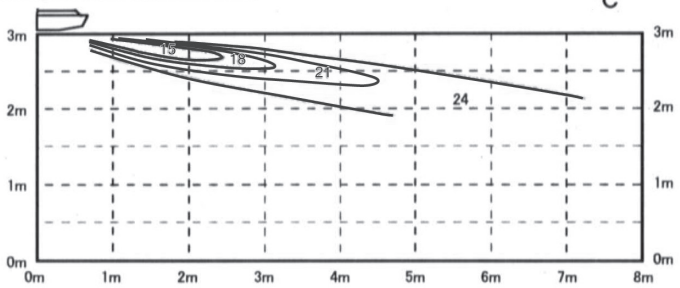
Model FDE140KXE6F

Cooling Air flow: P-Hi

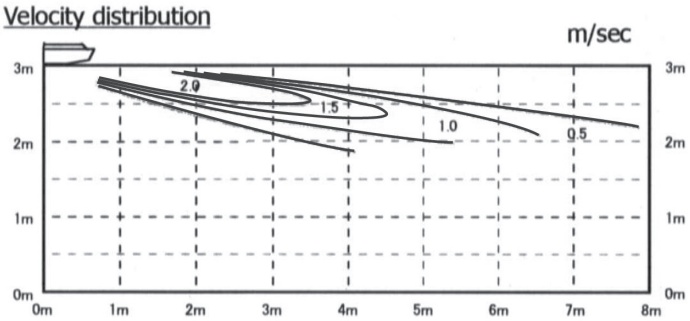
Louver position



Temperature distribution

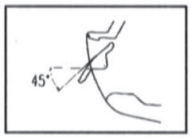


Velocity distribution

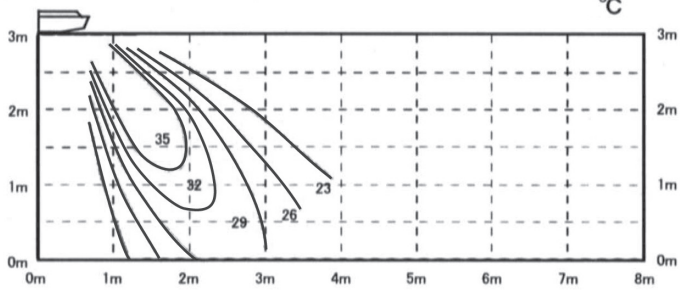


Heating Air flow: P-Hi

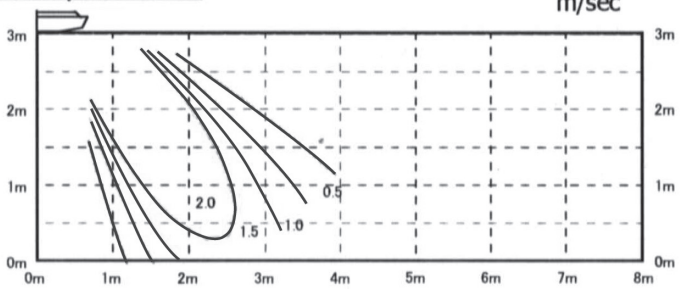
Louver position



Temperature distribution



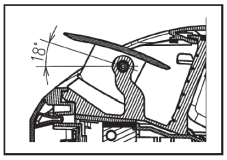
Velocity distribution



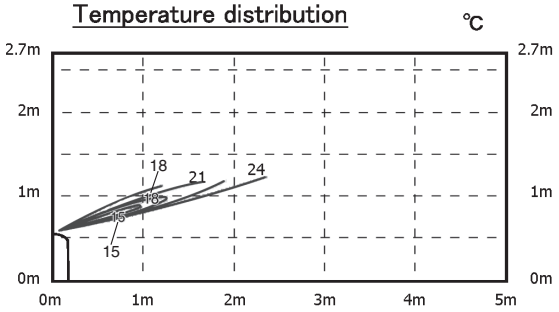
(h) Floor standing-2 way type (FDFW)
Model FDFW28KXE6F

Cooling Air flow Hi

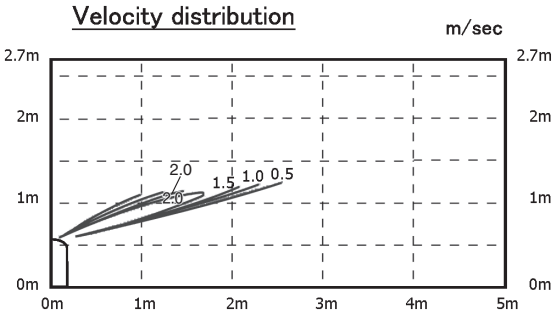
Louver position



Temperature distribution

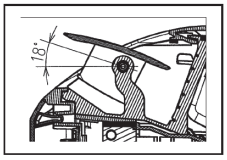


Velocity distribution

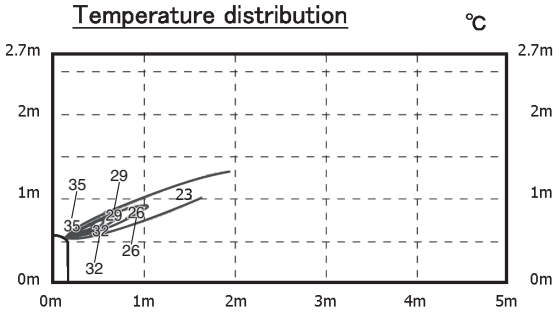


Heating Air flow Hi

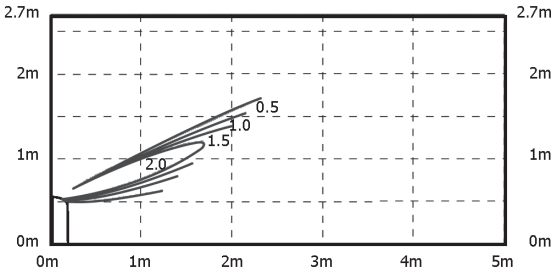
Louver position



Temperature distribution



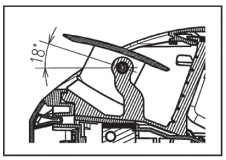
Velocity distribution



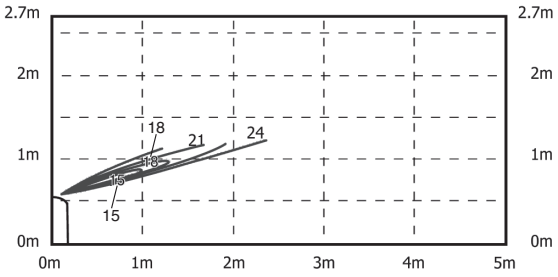
Model FDFW45KXE6F

Cooling Air flow Hi

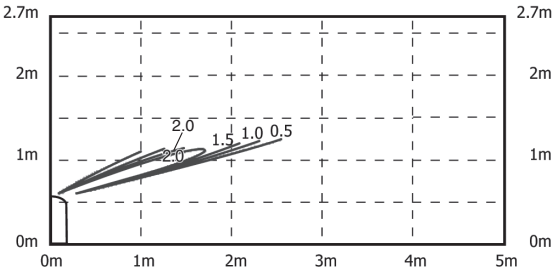
Louver position



Temperature distribution ℃

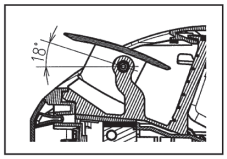


Velocity distribution m/sec

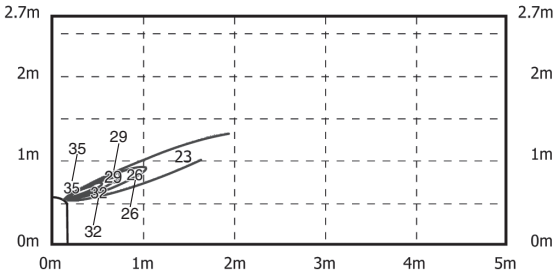


Heating Air flow Hi

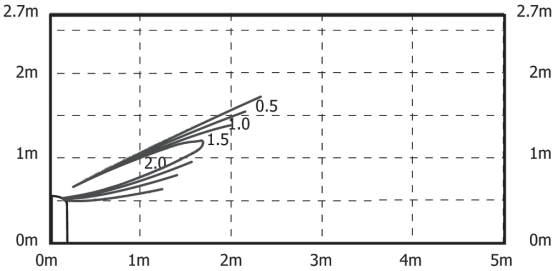
Louver position



Temperature distribution ℃



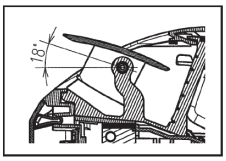
Velocity distribution m/sec



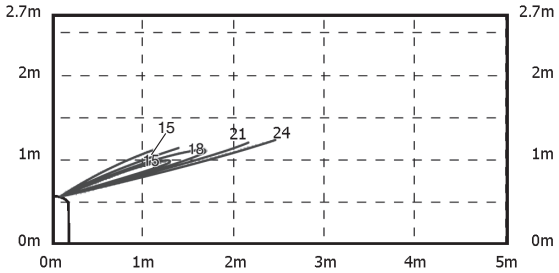
Model FDFW56KXE6F

Cooling Air flow Hi

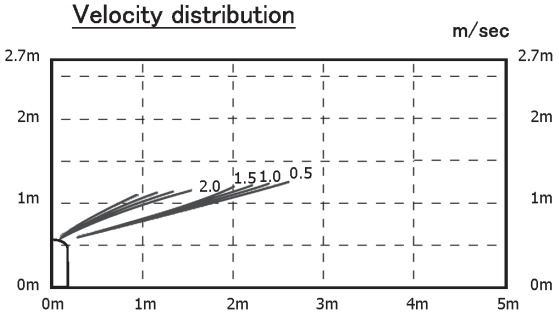
Louver position



Temperature distribution

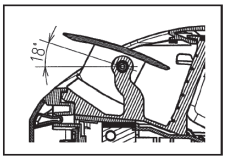


Velocity distribution

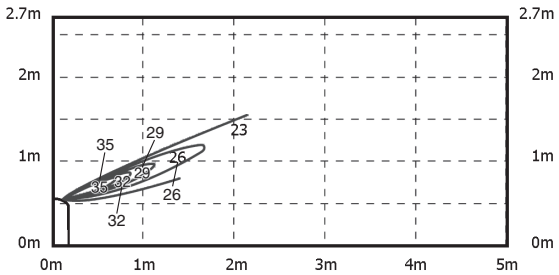


Heating Air flow Hi

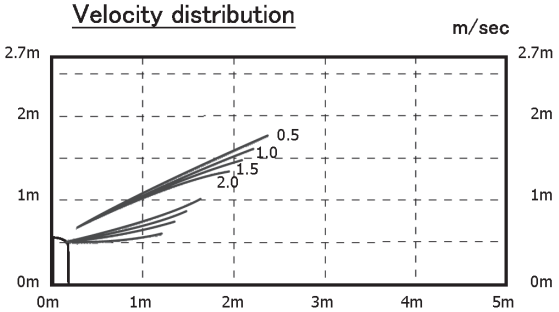
Louver position



Temperature distribution



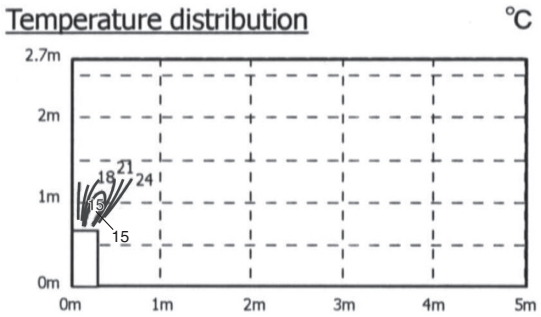
Velocity distribution

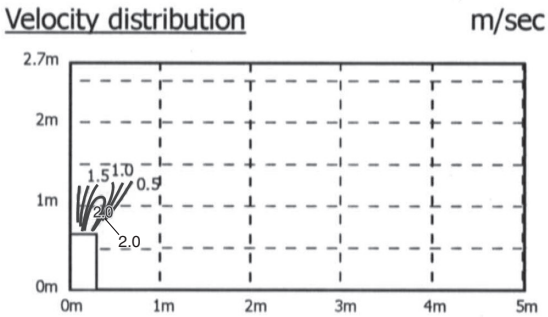


(i) Floor standing (with casing) type (FDFL)

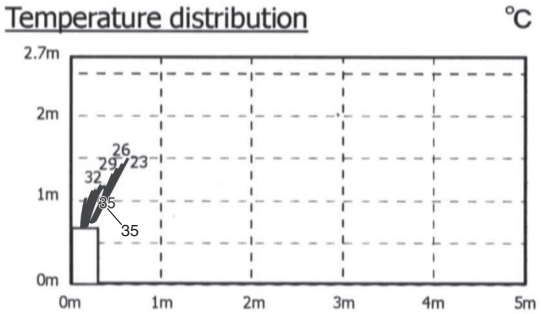
Model FDFL71KXE6F

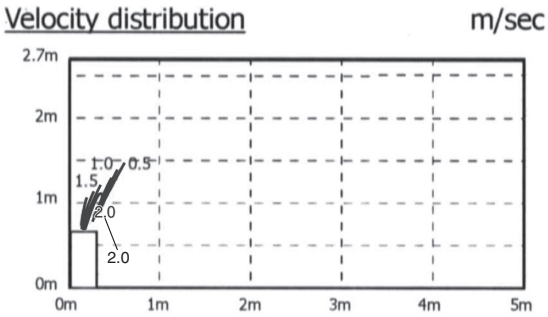
Cooling Airflow: Hi





Heating Airflow: Hi





2.7 Capacity tables

Caution: In case that the cooling operation during low outdoor air temperature below -5°C is expected, install the outdoor unit where it is not influenced by natural wind. Otherwise protection control by low pressure will be activated much more frequently and it will cause insufficient capacity or breakdown of the compressor in worst case.

(a) Ceiling cassette-4 way type (FDT)

Model **FDT28KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
P-Hi 20 (m³/min)	10			2.30	2.21	2.74	2.63	2.97	2.85	3.16	3.00	3.54	3.26	3.67	3.21
	12			2.30	2.21	2.74	2.63	2.97	2.85	3.15	3.00	3.52	3.26	3.66	3.20
	14			2.30	2.21	2.74	2.63	2.97	2.85	3.15	3.00	3.51	3.25	3.64	3.20
	16			2.30	2.21	2.74	2.63	2.97	2.85	3.14	2.99	3.50	3.25	3.63	3.18
	18			2.30	2.21	2.74	2.63	2.97	2.85	3.14	2.99	3.49	3.25	3.61	3.18
	20			2.30	2.21	2.74	2.63	2.97	2.85	3.14	2.99	3.47	3.24	3.59	3.17
	22			2.29	2.20	2.74	2.63	2.97	2.85	3.12	2.99	3.43	3.22	3.54	3.16
	24			2.29	2.20	2.74	2.63	2.97	2.85	3.11	2.98	3.39	3.21	3.50	3.15
	26			2.29	2.20	2.73	2.62	2.94	2.82	3.07	2.95	3.33	3.20	3.44	3.13
	28	2.07	1.99	2.28	2.19	2.72	2.61	2.91	2.79	3.03	2.91	3.28	3.15	3.39	3.12
	30	2.07	1.99	2.28	2.19	2.70	2.59	2.88	2.76	3.00	2.88	3.23	3.10	3.34	3.10
	32	2.07	1.99	2.27	2.18	2.67	2.56	2.86	2.75	2.96	2.84	3.18	3.05	3.29	3.09
	34	2.07	1.99	2.27	2.18	2.66	2.55	2.82	2.71	2.92	2.80	3.11	2.99	3.22	3.06
	35	2.07	1.99	2.26	2.17	2.66	2.55	2.80	2.69	2.89	2.77	3.08	2.96	3.18	3.05
	36	2.07	1.99	2.26	2.17	2.64	2.53	2.79	2.68	2.86	2.75	3.02	2.90	3.12	3.00
	38	2.07	1.99	2.25	2.16	2.60	2.50	2.76	2.65	2.81	2.70	2.91	2.79	3.00	2.88
	39	2.07	1.99	2.25	2.16	2.58	2.48	2.74	2.63	2.78	2.67	2.86	2.75	2.94	2.82
	41	2.07	1.99	2.24	2.15	2.50	2.40	2.63	2.52	2.66	2.55	2.73	2.62	2.80	2.69
	43	2.07	1.99	2.24	2.15	2.43	2.33	2.52	2.42	2.55	2.45	2.60	2.50	2.66	2.55

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 20 (m³/min)	-19.8	-20	1.86	1.86	1.86	1.86	1.86
	-17.8	-18	1.98	1.98	1.98	1.98	1.98
	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
	-5.5	-6	2.75	2.75	2.75	2.75	2.75
	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 18 (m³/min)	10			2.25	2.16	2.69	2.58	2.92	2.79	3.10	2.81	3.47	3.05	3.61	3.00
	12			2.25	2.16	2.69	2.58	2.92	2.79	3.10	2.81	3.46	3.05	3.59	3.00
	14			2.25	2.16	2.69	2.58	2.92	2.79	3.09	2.81	3.45	3.05	3.58	3.00
	16			2.25	2.16	2.69	2.58	2.92	2.79	3.09	2.81	3.44	3.05	3.56	2.99
	18			2.25	2.16	2.69	2.58	2.92	2.79	3.08	2.81	3.42	3.04	3.54	2.99
	20			2.25	2.16	2.69	2.58	2.92	2.79	3.08	2.81	3.41	3.04	3.53	2.99
	22			2.25	2.16	2.69	2.58	2.92	2.79	3.07	2.80	3.37	3.03	3.48	2.96
	24			2.25	2.16	2.69	2.58	2.92	2.79	3.05	2.80	3.32	3.02	3.43	2.95
	26			2.25	2.16	2.68	2.57	2.89	2.77	3.02	2.79	3.27	2.99	3.38	2.94
	28	2.04	1.96	2.24	2.15	2.67	2.56	2.86	2.75	2.98	2.77	3.22	2.98	3.33	2.92
	30	2.04	1.96	2.24	2.15	2.65	2.54	2.83	2.72	2.95	2.76	3.17	2.97	3.28	2.90
	32	2.04	1.96	2.23	2.14	2.63	2.52	2.81	2.70	2.91	2.75	3.12	2.94	3.23	2.89
	34	2.04	1.96	2.23	2.14	2.62	2.52	2.77	2.66	2.86	2.73	3.06	2.93	3.16	2.86
	35	2.04	1.96	2.22	2.13	2.61	2.51	2.75	2.64	2.84	2.72	3.02	2.90	3.13	2.86
	36	2.04	1.96	2.22	2.13	2.59	2.49	2.74	2.63	2.81	2.70	2.97	2.85	3.07	2.84
	38	2.04	1.96	2.21	2.12	2.55	2.45	2.71	2.60	2.76	2.65	2.86	2.75	2.95	2.80
	39	2.04	1.96	2.21	2.12	2.53	2.43	2.70	2.59	2.73	2.62	2.81	2.70	2.89	2.77
	41	2.04	1.96	2.20	2.11	2.46	2.36	2.59	2.49	2.62	2.52	2.68	2.57	2.75	2.64
	43	2.04	1.96	2.20	2.11	2.38	2.28	2.48	2.38	2.50	2.40	2.56	2.46	2.61	2.51

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 18 (m³/min)	-19.8	-20	1.83	1.83	1.83	1.83	1.83
	-17.8	-18	1.94	1.94	1.94	1.94	1.94
	-15.7	-16	2.06	2.06	2.06	2.06	2.06
	-13.7	-14	2.18	2.18	2.18	2.18	2.18
	-11.7	-12	2.30	2.30	2.30	2.30	2.30
	-9.6	-10	2.42	2.42	2.42	2.42	2.42
	-7.5	-8	2.56	2.56	2.56	2.56	2.56
	-5.5	-6	2.71	2.71	2.71	2.71	2.71
	-3.4	-4	2.80	2.80	2.80	2.77	2.74
	-1.3	-2	2.90	2.89	2.88	2.83	2.77
	0.8	0	3.06	3.01	2.97	2.86	2.76
	3.9	3	3.32	3.20	3.08	2.91	2.73
	7.0	6	3.62	3.39	3.15	2.93	2.71
	10.1	9	3.60	3.37	3.14	2.91	2.69
	13.2	12	3.58	3.35	3.12	2.89	2.66
	16.9	15.5	3.55	3.32	3.09	2.86	2.63

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 16 (m³/min)	10			2.18	2.09	2.61	2.51	2.82	2.60	3.00	2.62	3.36	2.83	3.49	2.78
	12			2.18	2.09	2.61	2.51	2.82	2.60	3.00	2.62	3.35	2.83	3.47	2.77
	14			2.18	2.09	2.61	2.51	2.82	2.60	2.99	2.62	3.34	2.82	3.46	2.77
	16			2.18	2.09	2.61	2.51	2.82	2.60	2.99	2.62	3.32	2.82	3.44	2.77
	18			2.18	2.09	2.61	2.51	2.82	2.60	2.98	2.61	3.31	2.82	3.43	2.76
	20			2.18	2.09	2.61	2.51	2.82	2.60	2.98	2.61	3.30	2.81	3.41	2.76
	22			2.18	2.09	2.61	2.51	2.82	2.60	2.97	2.60	3.26	2.80	3.37	2.75
	24			2.17	2.08	2.60	2.50	2.82	2.60	2.95	2.59	3.22	2.79	3.32	2.74
	26			2.17	2.08	2.59	2.49	2.79	2.59	2.92	2.59	3.17	2.78	3.27	2.72
	28	1.97	1.89	2.17	2.08	2.58	2.48	2.77	2.57	2.88	2.57	3.11	2.75	3.22	2.70
	30	1.97	1.89	2.17	2.08	2.56	2.46	2.74	2.56	2.85	2.57	3.07	2.74	3.17	2.68
	32	1.97	1.89	2.16	2.07	2.54	2.44	2.71	2.55	2.82	2.55	3.02	2.73	3.12	2.67
	34	1.97	1.89	2.15	2.06	2.53	2.43	2.68	2.54	2.77	2.53	2.96	2.70	3.06	2.66
	35	1.97	1.89	2.15	2.06	2.53	2.43	2.66	2.54	2.75	2.53	2.92	2.69	3.03	2.65
	36	1.97	1.89	2.15	2.06	2.51	2.41	2.65	2.53	2.72	2.52	2.87	2.68	2.97	2.63
	38	1.97	1.89	2.14	2.05	2.47	2.37	2.62	2.52	2.67	2.50	2.77	2.65	2.85	2.58
	39	1.97	1.89	2.14	2.05	2.45	2.35	2.61	2.51	2.64	2.49	2.71	2.60	2.79	2.57
	41	1.97	1.89	2.13	2.04	2.38	2.28	2.50	2.40	2.53	2.43	2.59	2.49	2.66	2.53
	43	1.97	1.89	2.12	2.04	2.30	2.21	2.39	2.29	2.42	2.32	2.47	2.37	2.53	2.43

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 16 (m³/min)	-19.8	-20	1.76	1.76	1.76	1.76	1.76
	-17.8	-18	1.88	1.88	1.88	1.88	1.88
	-15.7	-16	1.99	1.99	1.99	1.99	1.99
	-13.7	-14	2.10	2.10	2.10	2.10	2.10
	-11.7	-12	2.22	2.22	2.22	2.22	2.22
	-9.6	-10	2.33	2.33	2.33	2.33	2.33
	-7.5	-8	2.47	2.47	2.47	2.47	2.47
	-5.5	-6	2.61	2.61	2.61	2.61	2.61
	-3.4	-4	2.71	2.70	2.70	2.67	2.64
	-1.3	-2	2.80	2.79	2.78	2.73	2.68
	0.8	0	2.95	2.91	2.87	2.76	2.66
	3.9	3	3.20	3.09	2.97	2.80	2.64
	7.0	6	3.50	3.27	3.04	2.83	2.61
	10.1	9	3.47	3.25	3.03	2.81	2.59
	13.2	12	3.45	3.23	3.01	2.79	2.57
	16.9	15.5	3.42	3.20	2.98	2.76	2.54

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 14 (m³/min)	10			2.07	1.99	2.47	2.34	2.67	2.39	2.84	2.41	3.18	2.61	3.31	2.57
	12			2.07	1.99	2.47	2.34	2.67	2.39	2.84	2.41	3.17	2.61	3.29	2.56
	14			2.07	1.99	2.47	2.34	2.67	2.39	2.83	2.41	3.16	2.61	3.28	2.56
	16			2.07	1.99	2.47	2.34	2.67	2.39	2.83	2.41	3.15	2.60	3.26	2.55
	18			2.07	1.99	2.47	2.34	2.67	2.39	2.83	2.41	3.14	2.60	3.25	2.55
	20			2.07	1.99	2.47	2.34	2.67	2.39	2.82	2.41	3.13	2.60	3.23	2.54
	22			2.06	1.98	2.47	2.34	2.67	2.39	2.81	2.39	3.09	2.59	3.19	2.53
	24			2.06	1.98	2.47	2.34	2.67	2.39	2.80	2.39	3.05	2.57	3.15	2.52
	26			2.06	1.98	2.46	2.34	2.65	2.38	2.76	2.38	3.00	2.56	3.10	2.50
	28	1.86	1.79	2.06	1.98	2.44	2.33	2.62	2.35	2.73	2.37	2.95	2.53	3.05	2.49
	30	1.86	1.79	2.05	1.97	2.43	2.33	2.60	2.34	2.70	2.34	2.91	2.52	3.00	2.46
	32	1.86	1.79	2.05	1.97	2.41	2.31	2.57	2.34	2.67	2.33	2.86	2.51	2.96	2.46
	34	1.86	1.79	2.04	1.96	2.40	2.30	2.54	2.33	2.62	2.31	2.80	2.49	2.90	2.44
	35	1.86	1.79	2.04	1.96	2.39	2.29	2.52	2.32	2.60	2.31	2.77	2.48	2.87	2.43
	36	1.86	1.79	2.03	1.95	2.38	2.28	2.51	2.32	2.58	2.30	2.72	2.46	2.81	2.41
	38	1.86	1.79	2.03	1.95	2.34	2.25	2.48	2.31	2.53	2.29	2.62	2.43	2.70	2.38
	39	1.86	1.79	2.03	1.95	2.32	2.23	2.47	2.31	2.50	2.28	2.57	2.41	2.64	2.36
	41	1.86	1.79	2.02	1.94	2.25	2.16	2.37	2.27	2.40	2.25	2.46	2.36	2.52	2.32
	43	1.86	1.79	2.01	1.93	2.18	2.09	2.27	2.18	2.29	2.20	2.34	2.25	2.40	2.29

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 14 (m³/min)	-19.8	-20	1.67	1.67	1.67	1.67	1.67
	-17.8	-18	1.78	1.78	1.78	1.78	1.78
	-15.7	-16	1.89	1.89	1.89	1.89	1.89
	-13.7	-14	1.99	1.99	1.99	1.99	1.99
	-11.7	-12	2.10	2.10	2.10	2.10	2.10
	-9.6	-10	2.21	2.21	2.21	2.21	2.21
	-7.5	-8	2.34	2.34	2.34	2.34	2.34
	-5.5	-6	2.48	2.48	2.48	2.48	2.48
	-3.4	-4	2.56	2.56	2.56	2.53	2.51
	-1.3	-2	2.65	2.64	2.64	2.58	2.53
	0.8	0	2.79	2.75	2.71	2.62	2.52
	3.9	3	3.03	2.92	2.82	2.66	2.50
	7.0	6	3.31	3.10	2.88	2.68	2.48
	10.1	9	3.29	3.08	2.87	2.66	2.46
	13.2	12	3.27	3.06	2.85	2.64	2.43
	16.9	15.5	3.24	3.03	2.83	2.62	2.41

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJF000Z193

Model **FDT36KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
P-Hi 20 (m³/min)	10			2.95	2.83	3.53	3.39	3.82	3.67	4.06	3.77	4.55	4.10	4.72	4.03
	12			2.95	2.83	3.53	3.39	3.82	3.67	4.05	3.77	4.53	4.10	4.70	4.02
	14			2.95	2.83	3.53	3.39	3.82	3.67	4.05	3.77	4.51	4.09	4.68	4.02
	16			2.95	2.83	3.53	3.39	3.82	3.67	4.04	3.76	4.50	4.09	4.66	4.01
	18			2.95	2.83	3.53	3.39	3.82	3.67	4.04	3.76	4.48	4.08	4.64	3.97
	20			2.95	2.83	3.53	3.39	3.82	3.67	4.03	3.76	4.47	4.08	4.62	3.96
	22			2.95	2.83	3.53	3.39	3.82	3.67	4.01	3.75	4.41	4.06	4.56	3.95
	24			2.94	2.82	3.52	3.38	3.82	3.67	3.99	3.75	4.35	4.01	4.49	3.93
	26			2.94	2.82	3.51	3.37	3.78	3.63	3.95	3.73	4.28	3.99	4.43	3.91
	28	2.66	2.55	2.94	2.82	3.49	3.35	3.74	3.59	3.90	3.72	4.22	3.97	4.36	3.89
	30	2.66	2.55	2.93	2.81	3.47	3.33	3.71	3.56	3.86	3.71	4.15	3.95	4.29	3.88
	32	2.66	2.55	2.92	2.80	3.44	3.30	3.67	3.52	3.81	3.66	4.09	3.93	4.23	3.86
	34	2.66	2.55	2.91	2.79	3.43	3.29	3.62	3.48	3.75	3.60	4.00	3.84	4.14	3.84
	35	2.66	2.55	2.91	2.79	3.42	3.28	3.60	3.46	3.72	3.57	3.96	3.80	4.09	3.83
	36	2.66	2.55	2.91	2.79	3.39	3.25	3.58	3.44	3.68	3.53	3.89	3.73	4.02	3.81
	38	2.66	2.55	2.90	2.78	3.34	3.21	3.55	3.41	3.61	3.47	3.74	3.59	3.86	3.71
	39	2.66	2.55	2.89	2.77	3.32	3.19	3.53	3.39	3.58	3.44	3.67	3.52	3.78	3.63
	41	2.66	2.55	2.88	2.76	3.22	3.09	3.38	3.24	3.43	3.29	3.51	3.37	3.60	3.46
	43	2.66	2.55	2.87	2.76	3.12	3.00	3.24	3.11	3.28	3.15	3.35	3.22	3.42	3.28

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 20 (m³/min)	-19.8	-20	2.32	2.32	2.32	2.32	2.32
	-17.8	-18	2.47	2.47	2.47	2.47	2.47
	-15.7	-16	2.62	2.62	2.62	2.62	2.62
	-13.7	-14	2.77	2.77	2.77	2.77	2.77
	-11.7	-12	2.92	2.92	2.92	2.92	2.92
	-9.6	-10	3.07	3.07	3.07	3.07	3.07
	-7.5	-8	3.25	3.25	3.25	3.25	3.25
	-5.5	-6	3.44	3.44	3.44	3.44	3.44
	-3.4	-4	3.56	3.56	3.55	3.52	3.48
	-1.3	-2	3.68	3.67	3.66	3.59	3.52
	0.8	0	3.88	3.83	3.77	3.64	3.50
	3.9	3	4.21	4.06	3.91	3.69	3.47
	7.0	6	4.60	4.30	4.00	3.72	3.44
	10.1	9	4.57	4.28	3.99	3.70	3.41
	13.2	12	4.54	4.25	3.96	3.67	3.38
	16.9	15.5	4.51	4.22	3.93	3.64	3.35

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Hi 18 (m³/min)	10			2.89	2.77	3.46	3.32	3.74	3.51	3.98	3.54	4.46	3.85	4.63	3.77
	12			2.89	2.77	3.46	3.32	3.74	3.51	3.98	3.54	4.44	3.85	4.61	3.77
	14			2.89	2.77	3.46	3.32	3.74	3.51	3.97	3.53	4.43	3.83	4.59	3.76
	16			2.89	2.77	3.46	3.32	3.74	3.51	3.96	3.53	4.41	3.83	4.57	3.76
	18			2.89	2.77	3.46	3.32	3.74	3.51	3.96	3.53	4.39	3.82	4.55	3.75
	20			2.89	2.77	3.46	3.32	3.74	3.51	3.95	3.53	4.38	3.82	4.53	3.71
	22			2.89	2.77	3.46	3.32	3.74	3.51	3.94	3.52	4.32	3.80	4.47	3.69
	24			2.89	2.77	3.46	3.32	3.74	3.51	3.92	3.52	4.27	3.79	4.41	3.68
	26			2.88	2.76	3.44	3.30	3.71	3.50	3.87	3.50	4.20	3.73	4.34	3.66
	28	2.61	2.51	2.88	2.76	3.42	3.28	3.67	3.48	3.83	3.49	4.13	3.71	4.27	3.64
	30	2.61	2.51	2.87	2.76	3.40	3.26	3.64	3.47	3.78	3.46	4.07	3.70	4.21	3.63
	32	2.61	2.51	2.87	2.76	3.37	3.24	3.60	3.46	3.74	3.45	4.01	3.68	4.14	3.61
	34	2.61	2.51	2.86	2.75	3.36	3.23	3.55	3.41	3.68	3.43	3.92	3.65	4.06	3.59
	35	2.61	2.51	2.85	2.74	3.35	3.22	3.53	3.39	3.65	3.42	3.88	3.64	4.02	3.58
	36	2.61	2.51	2.85	2.74	3.33	3.20	3.51	3.37	3.61	3.41	3.81	3.62	3.94	3.56
	38	2.61	2.51	2.84	2.73	3.28	3.15	3.48	3.34	3.54	3.38	3.67	3.52	3.78	3.52
	39	2.61	2.51	2.84	2.73	3.25	3.12	3.46	3.32	3.51	3.37	3.60	3.46	3.70	3.49
	41	2.61	2.51	2.83	2.72	3.15	3.02	3.32	3.19	3.36	3.23	3.44	3.30	3.53	3.39
	43	2.61	2.51	2.82	2.71	3.06	2.94	3.18	3.05	3.21	3.08	3.28	3.15	3.36	3.23

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 18 (m³/min)	-19.8	-20	2.27	2.27	2.27	2.27	2.27
	-17.8	-18	2.42	2.42	2.42	2.42	2.42
	-15.7	-16	2.57	2.57	2.57	2.57	2.57
	-13.7	-14	2.71	2.71	2.71	2.71	2.71
	-11.7	-12	2.86	2.86	2.86	2.86	2.86
	-9.6	-10	3.01	3.01	3.01	3.01	3.01
	-7.5	-8	3.19	3.19	3.19	3.19	3.19
	-5.5	-6	3.37	3.37	3.37	3.37	3.37
	-3.4	-4	3.49	3.48	3.48	3.44	3.41
	-1.3	-2	3.61	3.60	3.59	3.52	3.45
	0.8	0	3.80	3.75	3.69	3.56	3.43
	3.9	3	4.13	3.98	3.83	3.62	3.40
	7.0	6	4.51	4.21	3.92	3.65	3.37
	10.1	9	4.48	4.19	3.91	3.62	3.34
	13.2	12	4.45	4.17	3.88	3.60	3.31
	16.9	15.5	4.41	4.13	3.85	3.56	3.28

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Me 16 (m³/min)	10			2.77	2.66	3.31	3.18	3.58	3.26	3.81	3.28	4.27	3.56	4.43	3.49
	12			2.77	2.66	3.31	3.18	3.58	3.26	3.81	3.28	4.25	3.55	4.41	3.48
	14			2.77	2.66	3.31	3.18	3.58	3.26	3.80	3.27	4.24	3.55	4.40	3.48
	16			2.77	2.66	3.31	3.18	3.58	3.26	3.80	3.27	4.22	3.54	4.38	3.48
	18			2.77	2.66	3.31	3.18	3.58	3.26	3.79	3.27	4.21	3.54	4.36	3.47
	20			2.77	2.66	3.31	3.18	3.58	3.26	3.79	3.27	4.19	3.53	4.34	3.47
	22			2.77	2.66	3.31	3.18	3.58	3.26	3.77	3.26	4.14	3.52	4.28	3.45
	24			2.76	2.65	3.31	3.18	3.58	3.26	3.75	3.26	4.09	3.51	4.22	3.43
	26			2.76	2.65	3.29	3.16	3.55	3.25	3.71	3.25	4.02	3.49	4.15	3.42
	28	2.50	2.40	2.76	2.65	3.28	3.15	3.52	3.24	3.66	3.23	3.96	3.47	4.09	3.40
	30	2.50	2.40	2.75	2.64	3.25	3.12	3.48	3.22	3.62	3.22	3.90	3.45	4.03	3.38
	32	2.50	2.40	2.74	2.63	3.23	3.10	3.45	3.21	3.58	3.20	3.84	3.43	3.97	3.37
	34	2.50	2.40	2.74	2.63	3.22	3.09	3.40	3.20	3.52	3.19	3.76	3.41	3.89	3.34
	35	2.50	2.40	2.73	2.62	3.21	3.08	3.38	3.19	3.49	3.18	3.72	3.39	3.84	3.32
	36	2.50	2.40	2.73	2.62	3.19	3.06	3.36	3.18	3.46	3.17	3.65	3.37	3.77	3.30
	38	2.50	2.40	2.72	2.61	3.14	3.01	3.33	3.17	3.39	3.14	3.52	3.33	3.62	3.26
	39	2.50	2.40	2.72	2.61	3.11	2.99	3.31	3.17	3.36	3.13	3.45	3.30	3.55	3.24
	41	2.50	2.40	2.71	2.60	3.02	2.90	3.18	3.05	3.22	3.08	3.30	3.17	3.38	3.18
	43	2.50	2.40	2.70	2.59	2.93	2.81	3.04	2.92	3.08	2.96	3.14	3.01	3.21	3.08

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 16 (m³/min)	-19.8	-20	2.18	2.18	2.18	2.18	2.18
	-17.8	-18	2.32	2.32	2.32	2.32	2.32
	-15.7	-16	2.46	2.46	2.46	2.46	2.46
	-13.7	-14	2.60	2.60	2.60	2.60	2.60
	-11.7	-12	2.74	2.74	2.74	2.74	2.74
	-9.6	-10	2.88	2.88	2.88	2.88	2.88
	-7.5	-8	3.06	3.06	3.06	3.06	3.06
	-5.5	-6	3.23	3.23	3.23	3.23	3.23
	-3.4	-4	3.35	3.34	3.34	3.30	3.27
	-1.3	-2	3.46	3.45	3.44	3.37	3.31
	0.8	0	3.65	3.60	3.54	3.42	3.29
	3.9	3	3.96	3.82	3.68	3.47	3.26
	7.0	6	4.32	4.04	3.76	3.50	3.23
	10.1	9	4.30	4.02	3.75	3.48	3.21
	13.2	12	4.27	4.00	3.72	3.45	3.18
	16.9	15.5	4.23	3.96	3.69	3.42	3.14

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Lo 14 (m³/min)	10			2.62	2.52	3.14	2.93	3.39	2.98	3.61	3.00	4.04	3.24	4.20	3.18
	12			2.62	2.52	3.14	2.93	3.39	2.98	3.60	2.99	4.03	3.24	4.18	3.17
	14			2.62	2.52	3.14	2.93	3.39	2.98	3.60	2.99	4.01	3.23	4.16	3.17
	16			2.62	2.52	3.14	2.93	3.39	2.98	3.59	2.99	4.00	3.23	4.14	3.16
	18			2.62	2.52	3.14	2.93	3.39	2.98	3.59	2.99	3.98	3.22	4.12	3.15
	20			2.62	2.52	3.14	2.93	3.39	2.98	3.58	2.99	3.97	3.22	4.11	3.15
	22			2.62	2.52	3.13	2.93	3.39	2.98	3.57	2.99	3.92	3.20	4.05	3.14
	24			2.62	2.52	3.13	2.93	3.39	2.98	3.55	2.98	3.87	3.19	3.99	3.12
	26			2.61	2.51	3.12	2.92	3.36	2.97	3.51	2.97	3.81	3.17	3.93	3.11
	28	2.37	2.28	2.61	2.51	3.10	2.92	3.33	2.96	3.47	2.95	3.75	3.15	3.87	3.09
	30	2.37	2.28	2.60	2.50	3.08	2.91	3.30	2.94	3.43	2.94	3.69	3.14	3.81	3.07
	32	2.37	2.28	2.60	2.50	3.06	2.90	3.26	2.92	3.39	2.92	3.63	3.12	3.76	3.05
	34	2.37	2.28	2.59	2.49	3.05	2.89	3.22	2.91	3.33	2.90	3.56	3.09	3.68	3.03
	35	2.37	2.28	2.59	2.49	3.04	2.89	3.20	2.90	3.31	2.89	3.52	3.08	3.64	3.02
	36	2.37	2.28	2.58	2.48	3.02	2.88	3.18	2.90	3.27	2.88	3.45	3.06	3.57	3.00
	38	2.37	2.28	2.58	2.48	2.97	2.85	3.15	2.89	3.21	2.86	3.33	3.02	3.43	2.95
	39	2.37	2.28	2.57	2.47	2.95	2.83	3.14	2.88	3.18	2.84	3.26	2.99	3.36	2.94
	41	2.37	2.28	2.56	2.46	2.86	2.75	3.01	2.83	3.05	2.80	3.12	2.95	3.20	2.88
	43	2.37	2.28	2.55	2.45	2.77	2.66	2.88	2.76	2.91	2.75	2.97	2.85	3.04	2.83

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 14 (m³/min)	-19.8	-20	2.06	2.06	2.06	2.06	2.06
	-17.8	-18	2.20	2.20	2.20	2.20	2.20
	-15.7	-16	2.33	2.33	2.33	2.33	2.33
	-13.7	-14	2.46	2.46	2.46	2.46	2.46
	-11.7	-12	2.60	2.60	2.60	2.60	2.60
	-9.6	-10	2.73	2.73	2.73	2.73	2.73
	-7.5	-8	2.90	2.90	2.90	2.90	2.90
	-5.5	-6	3.06	3.06	3.06	3.06	3.06
	-3.4	-4	3.17	3.16	3.16	3.13	3.10
	-1.3	-2	3.28	3.27	3.26	3.20	3.13
	0.8	0	3.45	3.40	3.36	3.24	3.12
	3.9	3	3.75	3.61	3.48	3.28	3.09
	7.0	6	4.09	3.83	3.56	3.31	3.06
	10.1	9	4.07	3.81	3.55	3.29	3.03
	13.2	12	4.04	3.78	3.52	3.27	3.01
	16.9	15.5	4.01	3.75	3.49	3.24	2.98

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJF000Z193

Model **FDT45KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi 20 (m³/min)	10			3.69	3.54	4.41	4.04	4.77	4.10	5.07	4.13	5.68	4.50	5.90	4.40
	12			3.69	3.54	4.41	4.04	4.77	4.10	5.07	4.13	5.66	4.49	5.88	4.39
	14			3.69	3.54	4.41	4.04	4.77	4.10	5.06	4.13	5.64	4.48	5.85	4.38
	16			3.69	3.54	4.41	4.04	4.77	4.10	5.05	4.12	5.62	4.47	5.83	4.38
	18			3.69	3.54	4.41	4.04	4.77	4.10	5.05	4.12	5.60	4.46	5.80	4.37
	20			3.69	3.54	4.41	4.04	4.77	4.10	5.04	4.12	5.58	4.45	5.78	4.36
	22			3.68	3.53	4.41	4.04	4.77	4.10	5.02	4.12	5.51	4.44	5.70	4.33
	24			3.68	3.53	4.41	4.04	4.77	4.10	4.99	4.11	5.44	4.42	5.62	4.31
	26			3.68	3.53	4.39	4.03	4.73	4.09	4.93	4.09	5.35	4.38	5.53	4.28
	28	3.33	3.20	3.67	3.52	4.37	4.03	4.68	4.07	4.88	4.07	5.27	4.35	5.44	4.25
	30	3.33	3.20	3.66	3.51	4.33	4.00	4.64	4.05	4.82	4.05	5.19	4.32	5.36	4.23
	32	3.33	3.20	3.65	3.50	4.30	3.99	4.59	4.03	4.76	4.02	5.11	4.30	5.28	4.20
	34	3.33	3.20	3.64	3.49	4.28	3.98	4.53	4.01	4.69	4.00	5.00	4.25	5.17	4.17
	35	3.33	3.20	3.64	3.49	4.28	3.98	4.50	4.00	4.65	3.99	4.95	4.24	5.12	4.16
	36	3.33	3.20	3.63	3.48	4.24	3.97	4.48	4.00	4.60	3.97	4.86	4.21	5.02	4.12
	38	3.33	3.20	3.62	3.48	4.18	3.95	4.43	3.97	4.52	3.94	4.68	4.15	4.82	4.07
	39	3.33	3.20	3.62	3.48	4.15	3.94	4.41	3.96	4.47	3.92	4.59	4.12	4.72	4.03
	41	3.33	3.20	3.61	3.47	4.02	3.86	4.23	3.89	4.28	3.85	4.39	4.05	4.50	3.93
	43	3.33	3.20	3.59	3.45	3.90	3.74	4.05	3.83	4.09	3.78	4.18	3.96	4.28	3.87

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 20 (m³/min)	-19.8	-20	2.90	2.90	2.90	2.90	2.90
	-17.8	-18	3.09	3.09	3.09	3.09	3.09
	-15.7	-16	3.27	3.27	3.27	3.27	3.27
	-13.7	-14	3.46	3.46	3.46	3.46	3.46
	-11.7	-12	3.65	3.65	3.65	3.65	3.65
	-9.6	-10	3.83	3.83	3.83	3.83	3.83
	-7.5	-8	4.07	4.07	4.07	4.07	4.07
	-5.5	-6	4.30	4.30	4.30	4.30	4.30
	-3.4	-4	4.45	4.44	4.44	4.39	4.35
	-1.3	-2	4.60	4.59	4.58	4.49	4.40
	0.8	0	4.85	4.78	4.71	4.54	4.38
	3.9	3	5.26	5.08	4.89	4.61	4.34
	7.0	6	5.75	5.38	5.00	4.65	4.30
	10.1	9	5.71	5.35	4.98	4.62	4.26
	13.2	12	5.68	5.31	4.95	4.59	4.23
	16.9	15.5	5.63	5.27	4.91	4.54	4.18

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi 18 (m³/min)	10			3.62	3.37	4.33	3.80	4.69	3.88	4.98	3.90	5.58	4.24	5.80	4.15
	12			3.62	3.37	4.33	3.80	4.69	3.88	4.98	3.90	5.56	4.23	5.77	4.14
	14			3.62	3.37	4.33	3.80	4.69	3.88	4.97	3.90	5.54	4.23	5.75	4.13
	16			3.62	3.37	4.33	3.80	4.69	3.88	4.96	3.90	5.52	4.21	5.72	4.12
	18			3.62	3.37	4.33	3.80	4.69	3.88	4.96	3.90	5.50	4.21	5.70	4.12
	20			3.62	3.37	4.33	3.80	4.69	3.88	4.95	3.89	5.48	4.20	5.67	4.10
	22			3.62	3.37	4.33	3.80	4.69	3.88	4.93	3.89	5.41	4.18	5.60	4.08
	24			3.61	3.36	4.33	3.80	4.69	3.88	4.90	3.88	5.34	4.15	5.52	4.06
	26			3.61	3.36	4.31	3.80	4.64	3.85	4.85	3.86	5.26	4.13	5.43	4.03
	28	3.27	3.14	3.61	3.36	4.29	3.79	4.60	3.84	4.79	3.84	5.18	4.09	5.35	4.00
	30	3.27	3.14	3.60	3.36	4.25	3.77	4.55	3.82	4.73	3.81	5.10	4.07	5.27	3.97
	32	3.27	3.14	3.59	3.36	4.22	3.76	4.51	3.81	4.68	3.80	5.02	4.04	5.19	3.95
	34	3.27	3.14	3.58	3.35	4.21	3.76	4.45	3.78	4.60	3.76	4.91	4.00	5.08	3.91
	35	3.27	3.14	3.57	3.35	4.20	3.75	4.42	3.77	4.57	3.75	4.86	3.99	5.03	3.90
	36	3.27	3.14	3.57	3.35	4.17	3.74	4.40	3.76	4.52	3.74	4.77	3.95	4.93	3.87
	38	3.27	3.14	3.56	3.35	4.10	3.71	4.35	3.75	4.43	3.71	4.60	3.89	4.73	3.81
	39	3.27	3.14	3.55	3.34	4.07	3.70	4.33	3.74	4.39	3.69	4.51	3.87	4.64	3.77
	41	3.27	3.14	3.54	3.34	3.95	3.65	4.15	3.67	4.21	3.62	4.31	3.80	4.42	3.68
	43	3.27	3.14	3.53	3.33	3.83	3.61	3.98	3.60	4.02	3.56	4.11	3.71	4.20	3.62

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 18 (m³/min)	-19.8	-20	2.86	2.86	2.86	2.86	2.86
	-17.8	-18	3.04	3.04	3.04	3.04	3.04
	-15.7	-16	3.23	3.23	3.23	3.23	3.23
	-13.7	-14	3.41	3.41	3.41	3.41	3.41
	-11.7	-12	3.60	3.60	3.60	3.60	3.60
	-9.6	-10	3.78	3.78	3.78	3.78	3.78
	-7.5	-8	4.01	4.01	4.01	4.01	4.01
	-5.5	-6	4.24	4.24	4.24	4.24	4.24
	-3.4	-4	4.39	4.38	4.38	4.33	4.29
	-1.3	-2	4.54	4.52	4.51	4.42	4.34
	0.8	0	4.78	4.71	4.65	4.48	4.31
	3.9	3	5.19	5.00	4.82	4.55	4.28
	7.0	6	5.67	5.30	4.93	4.58	4.24
	10.1	9	5.63	5.27	4.91	4.56	4.20
	13.2	12	5.60	5.24	4.88	4.52	4.17
	16.9	15.5	5.55	5.19	4.84	4.48	4.12

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me 16 (m³/min)	10			3.51	3.14	4.19	3.54	4.54	3.61	4.83	3.65	5.41	3.94	5.61	3.86
	12			3.51	3.14	4.19	3.54	4.54	3.61	4.82	3.64	5.39	3.94	5.59	3.85
	14			3.51	3.14	4.19	3.54	4.54	3.61	4.81	3.64	5.37	3.93	5.57	3.85
	16			3.51	3.14	4.19	3.54	4.54	3.61	4.81	3.64	5.35	3.93	5.54	3.84
	18			3.51	3.14	4.19	3.54	4.54	3.61	4.80	3.64	5.33	3.92	5.52	3.84
	20			3.51	3.14	4.19	3.54	4.54	3.61	4.79	3.63	5.31	3.91	5.49	3.83
	22			3.50	3.13	4.19	3.54	4.54	3.61	4.77	3.63	5.24	3.89	5.42	3.80
	24			3.50	3.13	4.19	3.54	4.54	3.61	4.75	3.62	5.17	3.86	5.34	3.78
	26			3.50	3.13	4.17	3.54	4.49	3.59	4.69	3.60	5.09	3.84	5.26	3.75
	28	3.17	3.04	3.49	3.13	4.15	3.52	4.45	3.58	4.64	3.58	5.01	3.81	5.18	3.71
	30	3.17	3.04	3.48	3.13	4.12	3.51	4.41	3.57	4.58	3.56	4.94	3.79	5.10	3.69
	32	3.17	3.04	3.48	3.13	4.09	3.50	4.37	3.54	4.53	3.54	4.86	3.76	5.02	3.67
	34	3.17	3.04	3.46	3.12	4.07	3.50	4.31	3.52	4.46	3.51	4.76	3.73	4.92	3.64
	35	3.17	3.04	3.46	3.12	4.07	3.50	4.28	3.51	4.42	3.50	4.70	3.70	4.87	3.62
	36	3.17	3.04	3.45	3.11	4.04	3.48	4.26	3.51	4.38	3.48	4.62	3.68	4.77	3.59
	38	3.17	3.04	3.45	3.11	3.97	3.45	4.22	3.48	4.29	3.45	4.45	3.62	4.58	3.53
	39	3.17	3.04	3.44	3.11	3.94	3.44	4.19	3.48	4.25	3.43	4.37	3.58	4.49	3.50
	41	3.17	3.04	3.43	3.11	3.83	3.39	4.02	3.41	4.07	3.37	4.17	3.52	4.28	3.41
	43	3.17	3.04	3.42	3.10	3.71	3.35	3.85	3.34	3.89	3.30	3.98	3.43	4.07	3.35

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 16 (m³/min)	-19.8	-20	2.76	2.76	2.76	2.76	2.76
	-17.8	-18	2.93	2.93	2.93	2.93	2.93
	-15.7	-16	3.11	3.11	3.11	3.11	3.11
	-13.7	-14	3.29	3.29	3.29	3.29	3.29
	-11.7	-12	3.46	3.46	3.46	3.46	3.46
	-9.6	-10	3.64	3.64	3.64	3.64	3.64
	-7.5	-8	3.86	3.86	3.86	3.86	3.86
	-5.5	-6	4.09	4.09	4.09	4.09	4.09
	-3.4	-4	4.23	4.22	4.22	4.17	4.13
	-1.3	-2	4.37	4.36	4.35	4.26	4.18
	0.8	0	4.61	4.54	4.48	4.32	4.16
	3.9	3	5.00	4.82	4.64	4.38	4.12
	7.0	6	5.46	5.11	4.75	4.42	4.09
	10.1	9	5.43	5.08	4.73	4.39	4.05
	13.2	12	5.39	5.05	4.70	4.36	4.01
	16.9	15.5	5.35	5.01	4.66	4.32	3.97

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo 14 (m³/min)	10			3.32	2.91	3.97	3.27	4.29	3.35	4.57	3.39	5.12	3.67	5.31	3.58
	12			3.32	2.91	3.97	3.27	4.29	3.35	4.56	3.38	5.10	3.66	5.29	3.57
	14			3.32	2.91	3.97	3.27	4.29	3.35	4.56	3.38	5.08	3.66	5.27	3.57
	16			3.32	2.91	3.97	3.27	4.29	3.35	4.55	3.38	5.06	3.64	5.24	3.56
	18			3.32	2.91	3.97	3.27	4.29	3.35	4.54	3.38	5.04	3.64	5.22	3.55
	20			3.32	2.91	3.97	3.27	4.29	3.35	4.54	3.38	5.02	3.63	5.20	3.54
	22			3.32	2.91	3.97	3.27	4.29	3.35	4.52	3.37	4.96	3.61	5.13	3.52
	24			3.31	2.90	3.97	3.27	4.29	3.35	4.49	3.36	4.90	3.59	5.06	3.49
	26			3.31	2.90	3.95	3.27	4.25	3.33	4.44	3.34	4.82	3.56	4.98	3.47
	28	3.00	2.87	3.30	2.90	3.93	3.26	4.21	3.32	4.39	3.32	4.74	3.53	4.90	3.44
	30	3.00	2.87	3.30	2.90	3.90	3.25	4.17	3.28	4.34	3.30	4.67	3.51	4.83	3.42
	32	3.00	2.87	3.29	2.90	3.87	3.24	4.13	3.27	4.29	3.26	4.60	3.48	4.75	3.39
	34	3.00	2.87	3.28	2.89	3.85	3.23	4.08	3.25	4.22	3.24	4.50	3.44	4.66	3.34
	35	3.00	2.87	3.27	2.89	3.85	3.23	4.05	3.24	4.18	3.23	4.45	3.42	4.61	3.33
	36	3.00	2.87	3.27	2.89	3.82	3.22	4.03	3.24	4.14	3.21	4.37	3.38	4.52	3.30
	38	3.00	2.87	3.26	2.88	3.76	3.20	3.99	3.22	4.06	3.19	4.21	3.33	4.34	3.25
	39	3.00	2.87	3.26	2.88	3.73	3.19	3.97	3.21	4.02	3.17	4.13	3.30	4.25	3.23
	41	3.00	2.87	3.24	2.88	3.62	3.14	3.81	3.16	3.85	3.12	3.95	3.25	4.05	3.16
	43	3.00	2.87	3.23	2.87	3.51	3.10	3.65	3.10	3.69	3.06	3.77	3.19	3.85	3.10

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 14 (m³/min)	-19.8	-20	2.61	2.61	2.61	2.61	2.61
	-17.8	-18	2.78	2.78	2.78	2.78	2.78
	-15.7	-16	2.95	2.95	2.95	2.95	2.95
	-13.7	-14	3.11	3.11	3.11	3.11	3.11
	-11.7	-12	3.28	3.28	3.28	3.28	3.28
	-9.6	-10	3.45	3.45	3.45	3.45	3.45
	-7.5	-8	3.66	3.66	3.66	3.66	3.66
	-5.5	-6	3.87	3.87	3.87	3.87	3.87
	-3.4	-4	4.01	4.00	3.99	3.95	3.92
	-1.3	-2	4.14	4.13	4.12	4.04	3.96
	0.8	0	4.37	4.30	4.24	4.09	3.94
	3.9	3	4.74	4.57	4.40	4.15	3.90
	7.0	6	5.18	4.84	4.50	4.19	3.87
	10.1	9	5.14	4.81	4.48	4.16	3.84
	13.2	12	5.11	4.78	4.46	4.13	3.80
	16.9	15.5	5.07	4.74	4.42	4.09	3.76

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJF000Z193

Model **FDT56KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi 20 (m³/min)	10			4.59	4.26	5.49	4.81	5.94	4.92	6.32	4.96	7.07	5.34	7.35	5.23
	12			4.59	4.26	5.49	4.81	5.94	4.92	6.31	4.95	7.05	5.34	7.31	5.22
	14			4.59	4.26	5.49	4.81	5.94	4.92	6.30	4.95	7.02	5.33	7.28	5.21
	16			4.59	4.26	5.49	4.81	5.94	4.92	6.29	4.95	7.00	5.32	7.25	5.20
	18			4.59	4.26	5.49	4.81	5.94	4.92	6.28	4.94	6.97	5.31	7.22	5.19
	20			4.59	4.26	5.49	4.81	5.94	4.92	6.27	4.94	6.95	5.30	7.19	5.18
	22			4.58	4.25	5.49	4.81	5.94	4.92	6.24	4.93	6.86	5.27	7.09	5.15
	24			4.58	4.25	5.48	4.80	5.94	4.92	6.21	4.92	6.77	5.25	6.99	5.12
	26			4.57	4.25	5.46	4.80	5.88	4.88	6.14	4.89	6.66	5.21	6.88	5.09
	28	4.14	3.97	4.57	4.25	5.43	4.79	5.82	4.84	6.07	4.87	6.56	5.18	6.78	5.06
	30	4.14	3.97	4.56	4.24	5.39	4.77	5.77	4.82	6.00	4.81	6.46	5.15	6.67	5.03
	32	4.14	3.97	4.55	4.24	5.35	4.76	5.71	4.80	5.93	4.79	6.36	5.12	6.57	5.00
	34	4.14	3.97	4.53	4.23	5.33	4.75	5.64	4.78	5.83	4.76	6.22	5.07	6.44	4.97
	35	4.14	3.97	4.52	4.23	5.32	4.74	5.60	4.76	5.79	4.74	6.16	5.05	6.37	4.94
	36	4.14	3.97	4.52	4.23	5.28	4.73	5.57	4.75	5.73	4.72	6.05	5.02	6.25	4.90
	38	4.14	3.97	4.51	4.22	5.20	4.70	5.52	4.73	5.62	4.68	5.82	4.93	6.00	4.83
	39	4.14	3.97	4.50	4.22	5.16	4.69	5.49	4.72	5.56	4.66	5.71	4.90	5.87	4.79
	41	4.14	3.97	4.49	4.22	5.00	4.63	5.26	4.64	5.33	4.59	5.46	4.81	5.60	4.70
	43	4.14	3.97	4.47	4.21	4.85	4.57	5.04	4.56	5.10	4.51	5.21	4.73	5.32	4.62

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 20 (m³/min)	-19.8	-20	3.65	3.65	3.65	3.65	3.65
	-17.8	-18	3.89	3.89	3.89	3.89	3.89
	-15.7	-16	4.12	4.12	4.12	4.12	4.12
	-13.7	-14	4.36	4.36	4.36	4.36	4.36
	-11.7	-12	4.59	4.59	4.59	4.59	4.59
	-9.6	-10	4.83	4.83	4.83	4.83	4.83
	-7.5	-8	5.12	5.12	5.12	5.12	5.12
	-5.5	-6	5.42	5.42	5.42	5.42	5.42
	-3.4	-4	5.61	5.60	5.59	5.54	5.48
	-1.3	-2	5.80	5.78	5.76	5.65	5.54
	0.8	0	6.11	6.02	5.94	5.73	5.51
	3.9	3	6.63	6.39	6.16	5.81	5.47
	7.0	6	7.25	6.77	6.30	5.86	5.42
	10.1	9	7.20	6.74	6.28	5.82	5.37
	13.2	12	7.15	6.69	6.24	5.78	5.32
	16.9	15.5	7.10	6.64	6.18	5.73	5.27

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi 18 (m³/min)	10			4.51	4.03	5.39	4.55	5.83	4.62	6.20	4.67	6.95	5.08	7.21	4.93
	12			4.51	4.03	5.39	4.55	5.83	4.62	6.19	4.66	6.92	5.04	7.18	4.92
	14			4.51	4.03	5.39	4.55	5.83	4.62	6.19	4.66	6.90	5.03	7.15	4.91
	16			4.51	4.03	5.39	4.55	5.83	4.62	6.18	4.66	6.87	5.02	7.12	4.91
	18			4.51	4.03	5.39	4.55	5.83	4.62	6.17	4.66	6.85	5.02	7.09	4.90
	20			4.51	4.03	5.39	4.55	5.83	4.62	6.16	4.65	6.82	5.01	7.06	4.89
	22			4.50	4.02	5.39	4.55	5.83	4.62	6.13	4.64	6.74	4.98	6.96	4.86
	24			4.50	4.02	5.39	4.55	5.83	4.62	6.10	4.63	6.65	4.95	6.87	4.83
	26			4.49	4.02	5.36	4.54	5.78	4.61	6.03	4.61	6.54	4.91	6.76	4.80
	28	4.07	3.91	4.49	4.02	5.34	4.53	5.72	4.58	5.96	4.58	6.44	4.88	6.65	4.76
	30	4.07	3.91	4.48	4.02	5.29	4.51	5.67	4.57	5.89	4.56	6.34	4.85	6.56	4.74
	32	4.07	3.91	4.47	4.01	5.25	4.49	5.61	4.54	5.82	4.53	6.24	4.82	6.46	4.71
	34	4.07	3.91	4.45	4.00	5.23	4.49	5.54	4.52	5.73	4.50	6.11	4.77	6.32	4.67
	35	4.07	3.91	4.44	4.00	5.23	4.49	5.50	4.50	5.68	4.48	6.05	4.75	6.26	4.64
	36	4.07	3.91	4.44	4.00	5.19	4.47	5.47	4.49	5.63	4.47	5.94	4.71	6.13	4.60
	38	4.07	3.91	4.43	3.99	5.11	4.43	5.42	4.47	5.52	4.43	5.72	4.64	5.89	4.52
	39	4.07	3.91	4.42	3.99	5.07	4.42	5.39	4.46	5.46	4.41	5.61	4.60	5.77	4.49
	41	4.07	3.91	4.41	3.99	4.92	4.36	5.17	4.37	5.23	4.32	5.36	4.52	5.50	4.41
	43	4.07	3.91	4.39	3.98	4.76	4.30	4.95	4.30	5.00	4.24	5.11	4.43	5.23	4.32

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 18 (m³/min)	-19.8	-20	3.57	3.57	3.57	3.57	3.57
	-17.8	-18	3.80	3.80	3.80	3.80	3.80
	-15.7	-16	4.03	4.03	4.03	4.03	4.03
	-13.7	-14	4.26	4.26	4.26	4.26	4.26
	-11.7	-12	4.49	4.49	4.49	4.49	4.49
	-9.6	-10	4.72	4.72	4.72	4.72	4.72
	-7.5	-8	5.01	5.01	5.01	5.01	5.01
	-5.5	-6	5.30	5.30	5.30	5.30	5.30
	-3.4	-4	5.48	5.47	5.47	5.41	5.36
	-1.3	-2	5.67	5.65	5.64	5.53	5.42
	0.8	0	5.98	5.89	5.81	5.60	5.39
	3.9	3	6.48	6.25	6.02	5.68	5.34
	7.0	6	7.08	6.62	6.16	5.73	5.30
	10.1	9	7.04	6.59	6.14	5.69	5.25
	13.2	12	6.99	6.55	6.10	5.65	5.21
	16.9	15.5	6.94	6.49	6.04	5.60	5.15

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me 16 (m³/min)	10			4.31	3.74	5.15	4.22	5.58	4.31	5.93	4.35	6.64	4.69	6.90	4.58
	12			4.31	3.74	5.15	4.22	5.58	4.31	5.92	4.34	6.62	4.68	6.87	4.57
	14			4.31	3.74	5.15	4.22	5.58	4.31	5.92	4.34	6.60	4.67	6.84	4.56
	16			4.31	3.74	5.15	4.22	5.58	4.31	5.91	4.34	6.57	4.66	6.81	4.55
	18			4.31	3.74	5.15	4.22	5.58	4.31	5.90	4.34	6.55	4.66	6.78	4.54
	20			4.31	3.74	5.15	4.22	5.58	4.31	5.89	4.33	6.52	4.65	6.75	4.53
	22			4.31	3.74	5.15	4.22	5.58	4.31	5.86	4.32	6.44	4.62	6.66	4.50
	24			4.30	3.73	5.15	4.22	5.58	4.31	5.84	4.31	6.36	4.59	6.57	4.48
	26			4.30	3.73	5.13	4.21	5.52	4.28	5.77	4.29	6.26	4.56	6.47	4.45
	28	3.89	3.69	4.29	3.73	5.10	4.20	5.47	4.26	5.70	4.26	6.16	4.52	6.36	4.41
	30	3.89	3.69	4.28	3.72	5.06	4.17	5.42	4.24	5.63	4.24	6.07	4.50	6.27	4.39
	32	3.89	3.69	4.27	3.72	5.02	4.16	5.37	4.22	5.57	4.21	5.97	4.46	6.17	4.35
	34	3.89	3.69	4.26	3.71	5.01	4.16	5.30	4.19	5.48	4.18	5.85	4.41	6.05	4.31
	35	3.89	3.69	4.25	3.70	5.00	4.15	5.26	4.18	5.43	4.16	5.78	4.39	5.98	4.29
	36	3.89	3.69	4.24	3.70	4.96	4.14	5.23	4.17	5.38	4.14	5.68	4.36	5.87	4.25
	38	3.89	3.69	4.23	3.70	4.88	4.10	5.18	4.14	5.28	4.10	5.47	4.28	5.63	4.18
	39	3.89	3.69	4.23	3.70	4.85	4.09	5.15	4.13	5.23	4.08	5.37	4.25	5.52	4.14
	41	3.89	3.69	4.21	3.69	4.70	4.03	4.94	4.05	5.01	4.00	5.13	4.16	5.26	4.06
	43	3.89	3.69	4.20	3.68	4.56	3.98	4.73	3.97	4.79	3.92	4.89	4.09	5.00	3.97

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 16 (m³/min)	-19.8	-20	3.43	3.43	3.43	3.43	3.43
	-17.8	-18	3.65	3.65	3.65	3.65	3.65
	-15.7	-16	3.88	3.88	3.88	3.88	3.88
	-13.7	-14	4.10	4.10	4.10	4.10	4.10
	-11.7	-12	4.32	4.32	4.32	4.32	4.32
	-9.6	-10	4.54	4.54	4.54	4.54	4.54
	-7.5	-8	4.81	4.81	4.81	4.81	4.81
	-5.5	-6	5.09	5.09	5.09	5.09	5.09
	-3.4	-4	5.27	5.26	5.25	5.20	5.15
	-1.3	-2	5.45	5.43	5.42	5.31	5.21
	0.8	0	5.74	5.66	5.58	5.38	5.18
	3.9	3	6.23	6.01	5.79	5.46	5.14
	7.0	6	6.81	6.36	5.92	5.51	5.09
	10.1	9	6.76	6.33	5.90	5.47	5.05
	13.2	12	6.72	6.29	5.86	5.43	5.00
	16.9	15.5	6.67	6.24	5.81	5.38	4.95

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo 14 (m³/min)	10			4.08	3.40	4.88	3.84	5.28	3.92	5.62	3.98	6.29	4.29	6.53	4.19
	12			4.08	3.40	4.88	3.84	5.28	3.92	5.61	3.98	6.27	4.29	6.50	4.18
	14			4.08	3.40	4.88	3.84	5.28	3.92	5.60	3.97	6.25	4.28	6.48	4.18
	16			4.08	3.40	4.88	3.84	5.28	3.92	5.59	3.96	6.22	4.27	6.45	4.17
	18			4.08	3.40	4.88	3.84	5.28	3.92	5.59	3.96	6.20	4.26	6.42	4.15
	20			4.08	3.40	4.88	3.84	5.28	3.92	5.58	3.96	6.18	4.26	6.39	4.14
	22			4.08	3.40	4.88	3.84	5.28	3.92	5.55	3.94	6.10	4.23	6.30	4.11
	24			4.07	3.40	4.88	3.84	5.28	3.92	5.53	3.93	6.02	4.19	6.22	4.06
	26			4.07	3.40	4.85	3.83	5.23	3.90	5.46	3.90	5.93	4.16	6.12	4.03
	28	3.69	3.36	4.06	3.39	4.83	3.82	5.18	3.88	5.40	3.88	5.83	4.11	6.03	4.00
	30	3.69	3.36	4.05	3.39	4.79	3.81	5.13	3.86	5.33	3.85	5.74	4.08	5.94	3.98
	32	3.69	3.36	4.04	3.39	4.76	3.80	5.08	3.84	5.27	3.83	5.65	4.05	5.85	3.95
	34	3.69	3.36	4.03	3.38	4.74	3.79	5.01	3.81	5.19	3.80	5.53	4.01	5.72	3.91
	35	3.69	3.36	4.02	3.38	4.73	3.78	4.98	3.80	5.14	3.79	5.47	3.99	5.66	3.89
	36	3.69	3.36	4.02	3.38	4.70	3.77	4.96	3.80	5.10	3.77	5.38	3.96	5.55	3.86
	38	3.69	3.36	4.01	3.37	4.62	3.73	4.91	3.78	5.00	3.73	5.18	3.89	5.33	3.78
	39	3.69	3.36	4.00	3.36	4.59	3.72	4.88	3.77	4.95	3.72	5.08	3.85	5.22	3.75
	41	3.69	3.36	3.99	3.36	4.45	3.67	4.68	3.68	4.74	3.63	4.86	3.77	4.98	3.67
	43	3.69	3.36	3.98	3.35	4.31	3.61	4.48	3.60	4.53	3.55	4.63	3.69	4.73	3.59

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 14 (m³/min)	-19.8	-20	3.25	3.25	3.25	3.25	3.25
	-17.8	-18	3.46	3.46	3.46	3.46	3.46
	-15.7	-16	3.67	3.67	3.67	3.67	3.67
	-13.7	-14	3.88	3.88	3.88	3.88	3.88
	-11.7	-12	4.09	4.09	4.09	4.09	4.09
	-9.6	-10	4.30	4.30	4.30	4.30	4.30
	-7.5	-8	4.56	4.56	4.56	4.56	4.56
	-5.5	-6	4.82	4.82	4.82	4.82	4.82
	-3.4	-4	4.99	4.99	4.98	4.93	4.88
	-1.3	-2	5.16	5.15	5.13	5.03	4.94
	0.8	0	5.44	5.36	5.29	5.10	4.91
	3.9	3	5.90	5.69	5.48	5.18	4.87
	7.0	6	6.45	6.03	5.61	5.22	4.82
	10.1	9	6.41	6.00	5.59	5.19	4.78
	13.2	12	6.37	5.96	5.55	5.15	4.74
	16.9	15.5	6.32	5.91	5.50	5.10	4.69

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJF000Z193

Model **FDT71KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
P-Hi 28 (m³/min)	10			5.82	5.47	6.96	6.17	7.53	6.29	8.01	6.34	8.97	6.87	9.31	6.68
	12			5.82	5.47	6.96	6.17	7.53	6.29	8.00	6.33	8.94	6.86	9.27	6.67
	14			5.82	5.47	6.96	6.17	7.53	6.29	7.99	6.33	8.90	6.85	9.23	6.65
	16			5.82	5.47	6.96	6.17	7.53	6.29	7.97	6.32	8.87	6.84	9.19	6.64
	18			5.82	5.47	6.96	6.17	7.53	6.29	7.96	6.32	8.84	6.83	9.15	6.63
	20			5.82	5.47	6.96	6.17	7.53	6.29	7.95	6.32	8.81	6.82	9.11	6.62
	22			5.81	5.47	6.95	6.16	7.53	6.29	7.92	6.31	8.70	6.74	8.99	6.59
	24			5.80	5.46	6.95	6.16	7.53	6.29	7.88	6.29	8.58	6.71	8.86	6.55
	26			5.80	5.46	6.92	6.15	7.46	6.25	7.79	6.26	8.45	6.67	8.73	6.52
	28	5.25	5.04	5.79	5.46	6.89	6.14	7.38	6.22	7.69	6.23	8.31	6.62	8.59	6.48
	30	5.25	5.04	5.78	5.46	6.83	6.12	7.31	6.20	7.60	6.19	8.19	6.59	8.46	6.44
	32	5.25	5.04	5.77	5.45	6.78	6.10	7.24	6.17	7.51	6.16	8.06	6.55	8.33	6.41
	34	5.25	5.04	5.75	5.44	6.76	6.10	7.15	6.13	7.39	6.12	7.89	6.50	8.16	6.36
	35	5.25	5.04	5.74	5.44	6.75	6.09	7.10	6.11	7.33	6.08	7.80	6.47	8.08	6.33
	36	5.25	5.04	5.73	5.44	6.69	6.07	7.06	6.10	7.26	6.06	7.66	6.41	7.92	6.28
	38	5.25	5.04	5.72	5.43	6.59	6.02	6.99	6.07	7.12	6.01	7.38	6.33	7.61	6.18
	39	5.25	5.04	5.71	5.43	6.54	6.00	6.96	6.06	7.05	5.99	7.24	6.27	7.45	6.14
	41	5.25	5.04	5.69	5.42	6.35	5.94	6.67	5.95	6.76	5.88	6.92	6.16	7.10	6.03
	43	5.25	5.04	5.67	5.41	6.15	5.85	6.39	5.84	6.46	5.77	6.60	6.07	6.75	5.91

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 28 (m³/min)	-19.8	-20	4.64	4.64	4.64	4.64	4.64
	-17.8	-18	4.94	4.94	4.94	4.94	4.94
	-15.7	-16	5.24	5.24	5.24	5.24	5.24
	-13.7	-14	5.54	5.54	5.54	5.54	5.54
	-11.7	-12	5.83	5.83	5.83	5.83	5.83
	-9.6	-10	6.13	6.13	6.13	6.13	6.13
	-7.5	-8	6.51	6.51	6.51	6.51	6.51
	-5.5	-6	6.88	6.88	6.88	6.88	6.88
	-3.4	-4	7.12	7.11	7.10	7.03	6.96
	-1.3	-2	7.36	7.34	7.32	7.18	7.04
	0.8	0	7.76	7.65	7.54	7.27	7.00
	3.9	3	8.42	8.12	7.82	7.38	6.94
	7.0	6	9.20	8.60	8.00	7.44	6.88
	10.1	9	9.14	8.56	7.97	7.40	6.82
	13.2	12	9.08	8.50	7.92	7.34	6.76
	16.9	15.5	9.01	8.43	7.85	7.27	6.69

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 18 (m³/min)	10			5.66	4.36	6.76	4.94	7.31	5.06	7.78	5.14	8.72	5.55	9.05	5.39
	12			5.66	4.36	6.76	4.94	7.31	5.06	7.77	5.14	8.68	5.54	9.01	5.38
	14			5.66	4.36	6.76	4.94	7.31	5.06	7.76	5.14	8.65	5.52	8.97	5.37
	16			5.66	4.36	6.76	4.94	7.31	5.06	7.75	5.13	8.62	5.51	8.93	5.33
	18			5.66	4.36	6.76	4.94	7.31	5.06	7.74	5.12	8.59	5.50	8.89	5.32
	20			5.66	4.36	6.76	4.94	7.31	5.06	7.73	5.12	8.56	5.48	8.86	5.31
	22			5.65	4.35	6.76	4.94	7.31	5.06	7.69	5.10	8.45	5.42	8.73	5.27
	24			5.64	4.35	6.76	4.94	7.31	5.06	7.66	5.09	8.34	5.38	8.61	5.24
	26			5.64	4.35	6.72	4.92	7.25	5.04	7.57	5.05	8.21	5.34	8.48	5.19
	28	5.11	4.29	5.63	4.35	6.69	4.90	7.18	5.00	7.48	5.01	8.08	5.29	8.35	5.14
	30	5.11	4.29	5.62	4.34	6.64	4.87	7.11	4.98	7.39	4.97	7.96	5.24	8.22	5.09
	32	5.11	4.29	5.60	4.33	6.59	4.85	7.04	4.95	7.30	4.94	7.83	5.19	8.10	5.05
	34	5.11	4.29	5.58	4.32	6.57	4.84	6.95	4.90	7.19	4.89	7.67	5.13	7.93	4.98
	35	5.11	4.29	5.58	4.32	6.56	4.84	6.90	4.89	7.13	4.86	7.58	5.09	7.85	4.96
	36	5.11	4.29	5.57	4.32	6.51	4.82	6.87	4.87	7.06	4.84	7.45	5.04	7.70	4.91
	38	5.11	4.29	5.55	4.31	6.41	4.78	6.80	4.82	6.92	4.76	7.18	4.92	7.39	4.79
	39	5.11	4.29	5.55	4.31	6.36	4.76	6.76	4.81	6.85	4.74	7.04	4.88	7.24	4.75
	41	5.11	4.29	5.53	4.31	6.17	4.67	6.49	4.71	6.57	4.63	6.73	4.77	6.90	4.63
	43	5.11	4.29	5.51	4.29	5.98	4.59	6.21	4.59	6.28	4.52	6.41	4.65	6.56	4.51

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 18 (m³/min)	-19.8	-20	4.52	4.52	4.52	4.52	4.52
	-17.8	-18	4.82	4.82	4.82	4.82	4.82
	-15.7	-16	5.11	5.11	5.11	5.11	5.11
	-13.7	-14	5.40	5.40	5.40	5.40	5.40
	-11.7	-12	5.69	5.69	5.69	5.69	5.69
	-9.6	-10	5.98	5.98	5.98	5.98	5.98
	-7.5	-8	6.34	6.34	6.34	6.34	6.34
	-5.5	-6	6.71	6.71	6.71	6.71	6.71
	-3.4	-4	6.94	6.93	6.92	6.85	6.79
	-1.3	-2	7.18	7.16	7.14	7.00	6.86
	0.8	0	7.57	7.46	7.35	7.09	6.83
	3.9	3	8.21	7.92	7.62	7.20	6.77
	7.0	6	8.97	8.39	7.80	7.25	6.71
	10.1	9	8.91	8.34	7.77	7.21	6.65
	13.2	12	8.85	8.29	7.72	7.16	6.59
	16.9	15.5	8.78	8.22	7.65	7.09	6.52

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 16 (m³/min)	10			5.47	4.12	6.54	4.67	7.07	4.80	7.52	4.87	8.43	5.25	8.75	5.11
	12			5.47	4.12	6.54	4.67	7.07	4.80	7.51	4.87	8.40	5.24	8.71	5.09
	14			5.47	4.12	6.54	4.67	7.07	4.80	7.50	4.86	8.37	5.23	8.67	5.08
	16			5.47	4.12	6.54	4.67	7.07	4.80	7.49	4.86	8.33	5.21	8.64	5.07
	18			5.47	4.12	6.54	4.67	7.07	4.80	7.48	4.85	8.30	5.20	8.60	5.03
	20			5.47	4.12	6.54	4.67	7.07	4.80	7.47	4.85	8.27	5.18	8.56	5.02
	22			5.46	4.11	6.53	4.66	7.07	4.80	7.44	4.84	8.17	5.14	8.44	4.98
	24			5.45	4.11	6.53	4.66	7.07	4.80	7.40	4.82	8.06	5.09	8.33	4.95
	26			5.45	4.11	6.50	4.65	7.00	4.76	7.31	4.78	7.94	5.05	8.20	4.89
	28	4.94	4.05	5.44	4.10	6.47	4.64	6.94	4.74	7.23	4.75	7.81	5.00	8.07	4.85
	30	4.94	4.05	5.43	4.10	6.42	4.61	6.87	4.69	7.14	4.71	7.69	4.95	7.95	4.80
	32	4.94	4.05	5.42	4.10	6.37	4.59	6.80	4.66	7.06	4.65	7.57	4.90	7.83	4.76
	34	4.94	4.05	5.40	4.09	6.35	4.59	6.71	4.63	6.95	4.61	7.41	4.83	7.67	4.70
	35	4.94	4.05	5.39	4.08	6.34	4.58	6.67	4.62	6.89	4.59	7.33	4.80	7.59	4.67
	36	4.94	4.05	5.38	4.08	6.29	4.56	6.64	4.60	6.82	4.57	7.20	4.75	7.44	4.60
	38	4.94	4.05	5.37	4.07	6.19	4.51	6.57	4.57	6.69	4.51	6.94	4.64	7.14	4.51
	39	4.94	4.05	5.36	4.07	6.15	4.49	6.54	4.56	6.63	4.48	6.81	4.60	7.00	4.46
	41	4.94	4.05	5.34	4.06	5.96	4.41	6.27	4.44	6.35	4.37	6.50	4.48	6.67	4.35
	43	4.94	4.05	5.32	4.05	5.78	4.33	6.00	4.33	6.07	4.26	6.20	4.37	6.34	4.24

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 16 (m³/min)	-19.8	-20	4.36	4.36	4.36	4.36	4.36
	-17.8	-18	4.64	4.64	4.64	4.64	4.64
	-15.7	-16	4.92	4.92	4.92	4.92	4.92
	-13.7	-14	5.20	5.20	5.20	5.20	5.20
	-11.7	-12	5.48	5.48	5.48	5.48	5.48
	-9.6	-10	5.77	5.77	5.77	5.77	5.77
	-7.5	-8	6.12	6.12	6.12	6.12	6.12
	-5.5	-6	6.47	6.47	6.47	6.47	6.47
	-3.4	-4	6.69	6.68	6.67	6.61	6.54
	-1.3	-2	6.92	6.90	6.88	6.75	6.62
	0.8	0	7.29	7.19	7.09	6.83	6.58
	3.9	3	7.91	7.63	7.35	6.94	6.52
	7.0	6	8.65	8.08	7.52	6.99	6.47
	10.1	9	8.59	8.04	7.49	6.95	6.41
	13.2	12	8.54	7.99	7.44	6.90	6.35
	16.9	15.5	8.47	7.92	7.38	6.83	6.29

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 14 (m³/min)	10			5.12	3.79	6.12	4.30	6.63	4.43	7.05	4.50	7.90	4.86	8.20	4.70
	12			5.12	3.79	6.12	4.30	6.63	4.43	7.04	4.50	7.87	4.84	8.16	4.69
	14			5.12	3.79	6.12	4.30	6.63	4.43	7.03	4.50	7.84	4.83	8.13	4.68
	16			5.12	3.79	6.12	4.30	6.63	4.43	7.02	4.49	7.81	4.82	8.09	4.66
	18			5.12	3.79	6.12	4.30	6.63	4.43	7.01	4.49	7.78	4.80	8.06	4.66
	20			5.12	3.79	6.12	4.30	6.63	4.43	7.00	4.48	7.75	4.78	8.02	4.64
	22			5.12	3.79	6.12	4.30	6.63	4.43	6.97	4.47	7.65	4.74	7.91	4.60
	24			5.11	3.79	6.12	4.30	6.63	4.43	6.94	4.44	7.56	4.71	7.80	4.56
	26			5.10	3.78	6.09	4.29	6.56	4.40	6.85	4.41	7.44	4.66	7.68	4.52
	28	4.63	3.73	5.10	3.78	6.06	4.28	6.50	4.37	6.77	4.38	7.32	4.61	7.56	4.47
	30	4.63	3.73	5.09	3.78	6.02	4.26	6.44	4.34	6.69	4.34	7.21	4.56	7.45	4.43
	32	4.63	3.73	5.08	3.78	5.97	4.24	6.38	4.32	6.62	4.32	7.10	4.52	7.34	4.39
	34	4.63	3.73	5.06	3.77	5.95	4.23	6.29	4.28	6.51	4.26	6.95	4.46	7.18	4.31
	35	4.63	3.73	5.05	3.76	5.94	4.22	6.25	4.26	6.46	4.24	6.87	4.43	7.11	4.29
	36	4.63	3.73	5.04	3.76	5.89	4.20	6.22	4.24	6.39	4.21	6.75	4.37	6.97	4.24
	38	4.63	3.73	5.03	3.75	5.80	4.15	6.16	4.22	6.27	4.16	6.50	4.27	6.69	4.14
	39	4.63	3.73	5.03	3.75	5.76	4.14	6.13	4.20	6.21	4.14	6.38	4.23	6.56	4.10
	41	4.63	3.73	5.01	3.75	5.59	4.05	5.88	4.09	5.95	4.02	6.09	4.12	6.25	3.99
	43	4.63	3.73	4.99	3.73	5.41	3.98	5.63	3.98	5.69	3.91	5.81	4.01	5.94	3.86

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 14 (m³/min)	-19.8	-20	4.08	4.08	4.08	4.08	4.08
	-17.8	-18	4.35	4.35	4.35	4.35	4.35
	-15.7	-16	4.61	4.61	4.61	4.61	4.61
	-13.7	-14	4.87	4.87	4.87	4.87	4.87
	-11.7	-12	5.13	5.13	5.13	5.13	5.13
	-9.6	-10	5.40	5.40	5.40	5.40	5.40
	-7.5	-8	5.73	5.73	5.73	5.73	5.73
	-5.5	-6	6.05	6.05	6.05	6.05	6.05
	-3.4	-4	6.27	6.26	6.25	6.19	6.12
	-1.3	-2	6.48	6.46	6.44	6.32	6.20
	0.8	0	6.83	6.73	6.64	6.40	6.16
	3.9	3	7.41	7.15	6.88	6.49	6.11
	7.0	6	8.10	7.57	7.04	6.55	6.05
	10.1	9	8.04	7.53	7.01	6.51	6.00
	13.2	12	7.99	7.48	6.97	6.46	5.95
	16.9	15.5	7.93	7.42	6.91	6.40	5.89

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJF000Z193

Model **FDT90KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			7.38	7.08	8.82	8.02	9.54	8.15	10.15	8.21	11.37	8.87	11.80	8.69
	12			7.38	7.08	8.82	8.02	9.54	8.15	10.14	8.21	11.33	8.86	11.75	8.67
	14			7.38	7.08	8.82	8.02	9.54	8.15	10.12	8.20	11.29	8.84	11.70	8.66
	16			7.38	7.08	8.82	8.02	9.54	8.15	10.11	8.20	11.25	8.83	11.65	8.65
	18			7.38	7.08	8.82	8.02	9.54	8.15	10.09	8.19	11.20	8.82	11.60	8.63
P-Hi	20			7.38	7.08	8.82	8.02	9.54	8.15	10.08	8.19	11.16	8.81	11.55	8.62
	22			7.37	7.08	8.82	8.02	9.54	8.15	10.03	8.17	11.02	8.77	11.39	8.57
37	24			7.36	7.07	8.81	8.01	9.54	8.15	9.99	8.16	10.88	8.72	11.24	8.53
(m³/min)	26			7.35	7.06	8.77	7.98	9.45	8.10	9.87	8.12	10.71	8.67	11.06	8.49
	28	6.66	6.39	7.34	7.05	8.73	7.97	9.36	8.07	9.75	8.08	10.54	8.62	10.89	8.44
	30	6.66	6.39	7.33	7.04	8.66	7.94	9.27	8.04	9.64	8.02	10.38	8.57	10.73	8.37
	32	6.66	6.39	7.31	7.02	8.60	7.92	9.18	8.01	9.53	7.99	10.22	8.53	10.56	8.33
	34	6.66	6.39	7.28	6.99	8.57	7.91	9.06	7.97	9.37	7.93	10.00	8.44	10.35	8.27
	35	6.66	6.39	7.27	6.98	8.55	7.90	9.00	7.92	9.30	7.91	9.89	8.41	10.24	8.24
	36	6.66	6.39	7.26	6.97	8.49	7.88	8.96	7.91	9.21	7.86	9.72	8.36	10.04	8.16
	38	6.66	6.39	7.25	6.96	8.36	7.83	8.87	7.88	9.03	7.80	9.36	8.23	9.64	8.03
	39	6.66	6.39	7.24	6.95	8.29	7.79	8.82	7.86	8.94	7.78	9.18	8.17	9.44	7.98
	41	6.66	6.39	7.21	6.92	8.04	7.70	8.46	7.72	8.56	7.63	8.77	8.03	9.00	7.84
	43	6.66	6.39	7.19	6.90	7.80	7.49	8.10	7.60	8.19	7.51	8.37	7.89	8.56	7.72

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	5.80	5.80	5.80	5.80	5.80
	-17.8	-18	6.17	6.17	6.17	6.17	6.17
	-15.7	-16	6.55	6.55	6.55	6.55	6.55
	-13.7	-14	6.92	6.92	6.92	6.92	6.92
	-11.7	-12	7.29	7.29	7.29	7.29	7.29
P-Hi	-9.6	-10	7.67	7.67	7.67	7.67	7.67
	-7.5	-8	8.13	8.13	8.13	8.13	8.13
37	-5.5	-6	8.60	8.60	8.60	8.60	8.60
(m³/min)	-3.4	-4	8.90	8.89	8.88	8.79	8.70
	-1.3	-2	9.20	9.18	9.15	8.98	8.80
	0.8	0	9.70	9.56	9.43	9.09	8.75
	3.9	3	10.53	10.15	9.78	9.23	8.68
	7.0	6	11.50	10.75	10.00	9.30	8.60
	10.1	9	11.43	10.69	9.96	9.24	8.53
	13.2	12	11.35	10.63	9.90	9.18	8.45
	16.9	15.5	11.26	10.54	9.81	9.09	8.36

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			7.15	5.94	8.54	6.70	9.24	6.85	9.83	6.94	11.02	7.50	11.44	7.28
	12			7.15	5.94	8.54	6.70	9.24	6.85	9.82	6.94	10.98	7.49	11.39	7.27
	14			7.15	5.94	8.54	6.70	9.24	6.85	9.81	6.94	10.94	7.48	11.34	7.25
	16			7.15	5.94	8.54	6.70	9.24	6.85	9.79	6.93	10.90	7.46	11.29	7.24
	18			7.15	5.94	8.54	6.70	9.24	6.85	9.78	6.93	10.86	7.41	11.24	7.23
Hi	20			7.15	5.94	8.54	6.70	9.24	6.85	9.77	6.92	10.82	7.40	11.19	7.21
	22			7.14	5.93	8.54	6.70	9.24	6.85	9.72	6.89	10.68	7.35	11.04	7.17
27	24			7.13	5.93	8.54	6.70	9.24	6.85	9.68	6.88	10.54	7.31	10.89	7.13
(m³/min)	26			7.12	5.93	8.50	6.69	9.16	6.82	9.56	6.84	10.38	7.26	10.72	7.06
	28	6.45	5.85	7.12	5.93	8.46	6.68	9.07	6.79	9.45	6.79	10.21	7.19	10.55	7.00
	30	6.45	5.85	7.10	5.92	8.39	6.64	8.98	6.75	9.34	6.75	10.05	7.14	10.39	6.96
	32	6.45	5.85	7.08	5.91	8.33	6.61	8.89	6.71	9.23	6.70	9.90	7.08	10.24	6.90
	34	6.45	5.85	7.06	5.90	8.30	6.60	8.78	6.66	9.08	6.65	9.69	7.00	10.02	6.82
	35	6.45	5.85	7.05	5.89	8.28	6.60	8.72	6.64	9.01	6.61	9.59	6.97	9.92	6.79
	36	6.45	5.85	7.04	5.88	8.22	6.57	8.68	6.63	8.92	6.58	9.41	6.90	9.73	6.73
	38	6.45	5.85	7.02	5.87	8.10	6.52	8.59	6.58	8.75	6.51	9.07	6.78	9.34	6.60
	39	6.45	5.85	7.01	5.87	8.03	6.49	8.55	6.57	8.66	6.48	8.90	6.71	9.15	6.54
	41	6.45	5.85	6.99	5.86	7.79	6.36	8.20	6.43	8.30	6.34	8.50	6.58	8.72	6.37
	43	6.45	5.85	6.96	5.85	7.55	6.28	7.85	6.27	7.93	6.18	8.11	6.42	8.29	6.25

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	5.60	5.60	5.60	5.60	5.60
	-17.8	-18	5.96	5.96	5.96	5.96	5.96
	-15.7	-16	6.32	6.32	6.32	6.32	6.32
	-13.7	-14	6.68	6.68	6.68	6.68	6.68
	-11.7	-12	7.05	7.05	7.05	7.05	7.05
Hi	-9.6	-10	7.41	7.41	7.41	7.41	7.41
	-7.5	-8	7.86	7.86	7.86	7.86	7.86
27	-5.5	-6	8.31	8.31	8.31	8.31	8.31
(m³/min)	-3.4	-4	8.60	8.59	8.57	8.49	8.40
	-1.3	-2	8.89	8.86	8.84	8.67	8.50
	0.8	0	9.37	9.24	9.10	8.78	8.45
	3.9	3	10.17	9.80	9.44	8.91	8.38
	7.0	6	11.11	10.38	9.66	8.98	8.31
	10.1	9	11.04	10.33	9.62	8.93	8.24
	13.2	12	10.96	10.26	9.56	8.86	8.16
	16.9	15.5	10.88	10.18	9.48	8.78	8.08

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			6.93	5.62	8.29	6.36	8.97	6.49	9.54	6.60	10.69	7.12	11.10	6.94
	12			6.93	5.62	8.29	6.36	8.97	6.49	9.53	6.59	10.65	7.11	11.05	6.92
	14			6.93	5.62	8.29	6.36	8.97	6.49	9.52	6.59	10.61	7.10	11.00	6.91
	16			6.93	5.62	8.29	6.36	8.97	6.49	9.50	6.58	10.57	7.07	10.95	6.88
	18			6.93	5.62	8.29	6.36	8.97	6.49	9.49	6.57	10.53	7.06	10.91	6.87
Me	20			6.93	5.62	8.29	6.36	8.97	6.49	9.48	6.56	10.49	7.04	10.86	6.85
	22			6.92	5.61	8.29	6.36	8.97	6.49	9.43	6.52	10.36	6.99	10.71	6.80
24	24			6.92	5.61	8.28	6.36	8.97	6.49	9.39	6.51	10.23	6.95	10.56	6.75
(m³/min)	26			6.91	5.61	8.24	6.34	8.88	6.46	9.28	6.47	10.07	6.88	10.40	6.69
	28	6.26	5.54	6.90	5.60	8.21	6.33	8.80	6.43	9.17	6.43	9.91	6.82	10.24	6.63
	30	6.26	5.54	6.89	5.60	8.14	6.29	8.71	6.40	9.06	6.39	9.75	6.75	10.08	6.59
	32	6.26	5.54	6.87	5.59	8.08	6.27	8.63	6.37	8.95	6.35	9.60	6.71	9.93	6.53
	34	6.26	5.54	6.85	5.58	8.05	6.26	8.52	6.32	8.81	6.29	9.40	6.63	9.72	6.46
	35	6.26	5.54	6.84	5.58	8.04	6.26	8.46	6.30	8.74	6.27	9.30	6.60	9.62	6.43
	36	6.26	5.54	6.83	5.58	7.98	6.23	8.42	6.28	8.66	6.24	9.13	6.53	9.44	6.33
	38	6.26	5.54	6.81	5.57	7.86	6.18	8.33	6.24	8.49	6.17	8.80	6.39	9.06	6.22
	39	6.26	5.54	6.80	5.56	7.79	6.15	8.29	6.22	8.40	6.14	8.63	6.33	8.88	6.17
	41	6.26	5.54	6.78	5.55	7.56	6.05	7.95	6.09	8.05	5.99	8.25	6.21	8.46	6.04
	43	6.26	5.54	6.75	5.54	7.33	5.95	7.61	5.94	7.70	5.86	7.86	6.07	8.04	5.89

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	5.45	5.45	5.45	5.45	5.45
	-17.8	-18	5.80	5.80	5.80	5.80	5.80
	-15.7	-16	6.15	6.15	6.15	6.15	6.15
	-13.7	-14	6.50	6.50	6.50	6.50	6.50
	-11.7	-12	6.86	6.86	6.86	6.86	6.86
Me	-9.6	-10	7.21	7.21	7.21	7.21	7.21
	-7.5	-8	7.65	7.65	7.65	7.65	7.65
24	-5.5	-6	8.08	8.08	8.08	8.08	8.08
(m³/min)	-3.4	-4	8.37	8.35	8.34	8.26	8.18
	-1.3	-2	8.65	8.62	8.60	8.44	8.27
	0.8	0	9.12	8.99	8.86	8.54	8.23
	3.9	3	9.89	9.54	9.19	8.67	8.15
	7.0	6	10.81	10.11	9.40	8.74	8.08
	10.1	9	10.74	10.05	9.36	8.69	8.01
	13.2	12	10.67	9.99	9.31	8.62	7.94
	16.9	15.5	10.59	9.91	9.22	8.54	7.86

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			6.64	5.10	7.94	5.77	8.59	5.93	9.13	6.02	10.23	6.50	10.62	6.31
	12			6.64	5.10	7.94	5.77	8.59	5.93	9.12	6.01	10.20	6.48	10.58	6.30
	14			6.64	5.10	7.94	5.77	8.59	5.93	9.11	6.01	10.16	6.46	10.53	6.28
	16			6.64	5.10	7.94	5.77	8.59	5.93	9.10	6.00	10.12	6.45	10.49	6.27
	18			6.64	5.10	7.94	5.77	8.59	5.93	9.09	6.00	10.08	6.43	10.44	6.24
Lo	20			6.64	5.10	7.94	5.77	8.59	5.93	9.07	5.99	10.05	6.41	10.40	6.23
	22			6.63	5.09	7.93	5.77	8.59	5.93	9.03	5.98	9.92	6.36	10.25	6.15
20	24			6.62	5.09	7.93	5.77	8.59	5.93	8.99	5.95	9.79	6.32	10.11	6.11
(m³/min)	26			6.62	5.09	7.89	5.75	8.51	5.90	8.88	5.91	9.64	6.23	9.96	6.07
	28	5.99	5.02	6.61	5.08	7.86	5.74	8.42	5.86	8.78	5.87	9.48	6.18	9.80	6.01
	30	5.99	5.02	6.59	5.08	7.80	5.71	8.34	5.83	8.68	5.82	9.34	6.14	9.65	5.96
	32	5.99	5.02	6.58	5.07	7.74	5.69	8.26	5.77	8.57	5.78	9.20	6.08	9.51	5.91
	34	5.99	5.02	6.56	5.06	7.71	5.68	8.15	5.72	8.44	5.70	9.00	6.00	9.31	5.84
	35	5.99	5.02	6.54	5.05	7.70	5.68	8.10	5.71	8.37	5.68	8.90	5.96	9.21	5.80
	36	5.99	5.02	6.54	5.05	7.64	5.65	8.06	5.69	8.29	5.65	8.74	5.89	9.03	5.73
	38	5.99	5.02	6.52	5.05	7.52	5.60	7.98	5.66	8.13	5.59	8.42	5.78	8.68	5.62
	39	5.99	5.02	6.51	5.04	7.46	5.57	7.94	5.65	8.05	5.56	8.26	5.72	8.50	5.55
	41	5.99	5.02	6.49	5.03	7.24	5.47	7.61	5.50	7.71	5.42	7.90	5.56	8.10	5.40
	43	5.99	5.02	6.47	5.03	7.02	5.37	7.29	5.37	7.37	5.28	7.53	5.44	7.70	5.27

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	5.22	5.22	5.22	5.22	5.22
	-17.8	-18	5.56	5.56	5.56	5.56	5.56
	-15.7	-16	5.89	5.89	5.89	5.89	5.89
	-13.7	-14	6.23	6.23	6.23	6.23	6.23
	-11.7	-12	6.56	6.56	6.56	6.56	6.56
Lo	-9.6	-10	6.90	6.90	6.90	6.90	6.90
	-7.5	-8	7.32	7.32	7.32	7.32	7.32
20	-5.5	-6	7.74	7.74	7.74	7.74	7.74
(m³/min)	-3.4	-4	8.01	8.00	7.99	7.91	7.83
	-1.3	-2	8.28	8.26	8.24	8.08	7.92
	0.8	0	8.73	8.61	8.48	8.18	7.88
	3.9	3	9.47	9.14	8.80	8.30	7.81
	7.0	6	10.35	9.68	9.00	8.37	7.74
	10.1	9	10.28	9.62	8.97	8.32	7.67
	13.2	12	10.22	9.56	8.91	8.26	7.61
	16.9	15.5	10.14	9.48	8.83	8.18	7.53

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJF000Z193

Model FDT112KXE6F Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
P-Hi 37 (m³/min)	10			9.18	7.92	10.97	8.94	11.87	9.09	12.63	9.23	14.15	9.99	14.69	9.74
	12			9.18	7.92	10.97	8.94	11.87	9.09	12.61	9.22	14.10	9.95	14.63	9.73
	14			9.18	7.92	10.97	8.94	11.87	9.09	12.60	9.22	14.05	9.93	14.56	9.69
	16			9.18	7.92	10.97	8.94	11.87	9.09	12.58	9.21	14.00	9.92	14.50	9.67
	18			9.18	7.92	10.97	8.94	11.87	9.09	12.56	9.20	13.94	9.90	14.44	9.65
	20			9.18	7.92	10.97	8.94	11.87	9.09	12.55	9.20	13.89	9.89	14.37	9.63
	22			9.17	7.92	10.97	8.94	11.87	9.09	12.49	9.18	13.72	9.81	14.18	9.56
	24			9.15	7.89	10.97	8.94	11.87	9.09	12.43	9.14	13.54	9.76	13.98	9.50
	26			9.15	7.89	10.92	8.92	11.76	9.05	12.28	9.05	13.33	9.67	13.77	9.42
	28	8.29	7.81	9.14	7.89	10.86	8.90	11.65	9.01	12.14	9.00	13.11	9.60	13.55	9.36
	30	8.29	7.81	9.12	7.88	10.78	8.85	11.54	8.97	12.00	8.95	12.91	9.52	13.35	9.28
	32	8.29	7.81	9.09	7.87	10.70	8.82	11.42	8.93	11.85	8.90	12.71	9.46	13.15	9.23
	34	8.29	7.81	9.06	7.86	10.66	8.80	11.27	8.87	11.66	8.84	12.45	9.36	12.87	9.08
	35	8.29	7.81	9.05	7.85	10.64	8.80	11.20	8.85	11.57	8.81	12.31	9.25	12.74	9.04
	36	8.29	7.81	9.04	7.85	10.56	8.77	11.14	8.83	11.46	8.77	12.09	9.19	12.49	8.97
	38	8.29	7.81	9.02	7.84	10.40	8.71	11.03	8.77	11.24	8.68	11.65	9.05	12.00	8.84
	39	8.29	7.81	9.00	7.83	10.32	8.66	10.98	8.75	11.13	8.64	11.43	8.98	11.75	8.77
	41	8.29	7.81	8.97	7.82	10.01	8.55	10.53	8.58	10.66	8.47	10.92	8.81	11.20	8.60
	43	8.29	7.81	8.94	7.81	9.70	8.42	10.08	8.40	10.19	8.29	10.41	8.64	10.65	8.43

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 37 (m³/min)	-19.8	-20	7.25	7.25	7.25	7.25	7.25
	-17.8	-18	7.72	7.72	7.72	7.72	7.72
	-15.7	-16	8.18	8.18	8.18	8.18	8.18
	-13.7	-14	8.65	8.65	8.65	8.65	8.65
	-11.7	-12	9.12	9.12	9.12	9.12	9.12
	-9.6	-10	9.58	9.58	9.58	9.58	9.58
	-7.5	-8	10.17	10.17	10.17	10.17	10.17
	-5.5	-6	10.75	10.75	10.75	10.75	10.75
	-3.4	-4	11.13	11.11	11.09	10.98	10.88
	-1.3	-2	11.50	11.47	11.44	11.22	11.00
	0.8	0	12.13	11.95	11.78	11.36	10.94
	3.9	3	13.16	12.69	12.22	11.53	10.84
	7.0	6	14.38	13.44	12.50	11.63	10.75
	10.1	9	14.28	13.37	12.45	11.55	10.66
	13.2	12	14.19	13.28	12.38	11.47	10.56
	16.9	15.5	14.08	13.17	12.27	11.36	10.45

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 27 (m³/min)	10			8.89	6.76	10.63	7.64	11.50	7.86	12.24	7.99	13.71	8.62	14.23	8.38
	12			8.89	6.76	10.63	7.64	11.50	7.86	12.22	7.98	13.66	8.59	14.17	8.36
	14			8.89	6.76	10.63	7.64	11.50	7.86	12.20	7.98	13.61	8.58	14.11	8.33
	16			8.89	6.76	10.63	7.64	11.50	7.86	12.19	7.97	13.56	8.56	14.05	8.31
	18			8.89	6.76	10.63	7.64	11.50	7.86	12.17	7.97	13.51	8.53	13.99	8.29
	20			8.89	6.76	10.63	7.64	11.50	7.86	12.15	7.96	13.46	8.51	13.92	8.23
	22			8.88	6.75	10.63	7.64	11.50	7.86	12.10	7.93	13.29	8.44	13.73	8.17
	24			8.87	6.75	10.62	7.63	11.50	7.86	12.04	7.91	13.12	8.35	13.54	8.12
	26			8.86	6.75	10.57	7.62	11.39	7.82	11.90	7.84	12.91	8.28	13.34	8.04
	28	8.03	6.64	8.85	6.74	10.52	7.60	11.28	7.77	11.76	7.78	12.70	8.20	13.13	7.97
	30	8.03	6.64	8.83	6.73	10.44	7.56	11.18	7.73	11.62	7.73	12.51	8.12	12.93	7.89
	32	8.03	6.64	8.81	6.73	10.36	7.53	11.07	7.68	11.48	7.67	12.32	8.05	12.74	7.82
	34	8.03	6.64	8.78	6.71	10.33	7.52	10.92	7.61	11.30	7.59	12.06	7.95	12.47	7.72
	35	8.03	6.64	8.77	6.71	10.31	7.51	10.85	7.55	11.21	7.54	11.93	7.89	12.34	7.68
	36	8.03	6.64	8.76	6.70	10.23	7.48	10.80	7.54	11.10	7.48	11.71	7.81	12.10	7.60
	38	8.03	6.64	8.73	6.68	10.07	7.41	10.69	7.49	10.89	7.41	11.28	7.62	11.62	7.41
	39	8.03	6.64	8.72	6.68	10.00	7.38	10.63	7.47	10.78	7.37	11.07	7.55	11.38	7.33
	41	8.03	6.64	8.69	6.66	9.70	7.24	10.20	7.29	10.33	7.18	10.58	7.38	10.85	7.15
	43	8.03	6.64	8.66	6.65	9.40	7.12	9.77	7.11	9.87	7.00	10.09	7.20	10.32	6.97

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 27 (m³/min)	-19.8	-20	7.02	7.02	7.02	7.02	7.02
	-17.8	-18	7.47	7.47	7.47	7.47	7.47
	-15.7	-16	7.92	7.92	7.92	7.92	7.92
	-13.7	-14	8.37	8.37	8.37	8.37	8.37
	-11.7	-12	8.82	8.82	8.82	8.82	8.82
	-9.6	-10	9.28	9.28	9.28	9.28	9.28
	-7.5	-8	9.84	9.84	9.84	9.84	9.84
	-5.5	-6	10.41	10.41	10.41	10.41	10.41
	-3.4	-4	10.77	10.75	10.74	10.63	10.53
	-1.3	-2	11.13	11.10	11.07	10.86	10.65
	0.8	0	11.74	11.57	11.40	11.00	10.59
	3.9	3	12.74	12.28	11.83	11.16	10.50
	7.0	6	13.92	13.01	12.10	11.25	10.41
	10.1	9	13.82	12.94	12.05	11.18	10.32
	13.2	12	13.73	12.86	11.98	11.10	10.22
	16.9	15.5	13.63	12.75	11.87	11.00	10.12

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 24 (m³/min)	10			8.54	6.34	10.21	7.19	11.05	7.40	11.75	7.52	13.16	8.10	13.67	7.87
	12			8.54	6.34	10.21	7.19	11.05	7.40	11.74	7.52	13.12	8.09	13.61	7.85
	14			8.54	6.34	10.21	7.19	11.05	7.40	11.72	7.51	13.07	8.06	13.55	7.83
	16			8.54	6.34	10.21	7.19	11.05	7.40	11.70	7.50	13.02	8.04	13.49	7.80
	18			8.54	6.34	10.21	7.19	11.05	7.40	11.69	7.50	12.97	8.03	13.43	7.78
	20			8.54	6.34	10.21	7.19	11.05	7.40	11.67	7.48	12.93	8.00	13.37	7.75
	22			8.53	6.33	10.21	7.19	11.05	7.40	11.62	7.46	12.76	7.93	13.19	7.69
	24			8.52	6.33	10.20	7.19	11.05	7.40	11.56	7.44	12.60	7.87	13.01	7.62
	26			8.51	6.32	10.15	7.17	10.94	7.34	11.43	7.38	12.40	7.77	12.81	7.52
	28	7.71	6.22	8.50	6.32	10.11	7.14	10.84	7.30	11.29	7.32	12.20	7.67	12.61	7.46
	30	7.71	6.22	8.48	6.29	10.03	7.09	10.73	7.25	11.16	7.26	12.01	7.61	12.42	7.39
	32	7.71	6.22	8.46	6.28	9.95	7.06	10.63	7.20	11.03	7.20	11.83	7.55	12.23	7.32
	34	7.71	6.22	8.43	6.27	9.92	7.05	10.49	7.14	10.85	7.12	11.58	7.44	11.98	7.23
	35	7.71	6.22	8.42	6.26	9.90	7.04	10.42	7.11	10.76	7.08	11.45	7.39	11.85	7.18
	36	7.71	6.22	8.41	6.26	9.82	7.01	10.37	7.08	10.66	7.04	11.25	7.31	11.62	7.09
	38	7.71	6.22	8.39	6.25	9.68	6.95	10.26	7.02	10.45	6.93	10.84	7.15	11.16	6.90
	39	7.71	6.22	8.38	6.25	9.60	6.91	10.21	7.00	10.35	6.90	10.63	7.03	10.93	6.83
	41	7.71	6.22	8.35	6.23	9.31	6.77	9.79	6.83	9.92	6.72	10.16	6.88	10.42	6.66
	43	7.71	6.22	8.32	6.22	9.02	6.65	9.38	6.66	9.48	6.54	9.69	6.71	9.91	6.48

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 24 (m³/min)	-19.8	-20	6.75	6.75	6.75	6.75	6.75
	-17.8	-18	7.18	7.18	7.18	7.18	7.18
	-15.7	-16	7.61	7.61	7.61	7.61	7.61
	-13.7	-14	8.05	8.05	8.05	8.05	8.05
	-11.7	-12	8.48	8.48	8.48	8.48	8.48
	-9.6	-10	8.92	8.92	8.92	8.92	8.92
	-7.5	-8	9.46	9.46	9.46	9.46	9.46
	-5.5	-6	10.00	10.00	10.00	10.00	10.00
	-3.4	-4	10.35	10.34	10.32	10.22	10.12
	-1.3	-2	10.70	10.67	10.64	10.44	10.23
	0.8	0	11.28	11.12	10.96	10.57	10.18
	3.9	3	12.24	11.80	11.37	10.73	10.09
	7.0	6	13.37	12.50	11.63	10.82	10.00
	10.1	9	13.29	12.44	11.59	10.75	9.91
	13.2	12	13.20	12.36	11.51	10.67	9.83
	16.9	15.5	13.10	12.26	11.41	10.57	9.73

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 20 (m³/min)	10			7.98	5.72	9.54	6.51	10.32	6.71	10.98	6.84	12.30	7.37	12.78	7.15
	12			7.98	5.72	9.54	6.51	10.32	6.71	10.97	6.83	12.26	7.34	12.72	7.12
	14			7.98	5.72	9.54	6.51	10.32	6.71	10.95	6.82	12.22	7.33	12.67	7.10
	16			7.98	5.72	9.54	6.51	10.32	6.71	10.94	6.82	12.17	7.30	12.61	7.08
	18			7.98	5.72	9.54	6.51	10.32	6.71	10.92	6.80	12.13	7.29	12.56	7.06
	20			7.98	5.72	9.54	6.51	10.32	6.71	10.91	6.80	12.08	7.27	12.50	7.03
	22			7.97	5.72	9.54	6.51	10.32	6.71	10.86	6.78	11.93	7.20	12.33	6.95
	24			7.96	5.71	9.54	6.51	10.32	6.71	10.81	6.75	11.78	7.14	12.16	6.89
	26			7.95	5.71	9.49	6.49	10.23	6.66	10.68	6.69	11.59	7.04	11.97	6.81
	28	7.21	5.61	7.95	5.71	9.45	6.46	10.13	6.61	10.55	6.62	11.40	6.97	11.79	6.75
	30	7.21	5.61	7.93	5.70	9.37	6.43	10.03	6.57	10.43	6.57	11.23	6.89	11.61	6.67
	32	7.21	5.61	7.91	5.69	9.30	6.39	9.93	6.53	10.31	6.52	11.06	6.82	11.43	6.60
	34	7.21	5.61	7.88	5.68	9.27	6.38	9.80	6.46	10.14	6.44	10.82	6.72	11.20	6.49
	35	7.21	5.61	7.87	5.67	9.25	6.37	9.74	6.43	10.06	6.41	10.71	6.67	11.08	6.45
	36	7.21	5.61	7.86	5.67	9.18	6.33	9.69	6.41	9.97	6.37	10.51	6.57	10.86	6.37
	38	7.21	5.61	7.84	5.65	9.04	6.27	9.59	6.37	9.77	6.27	10.13	6.42	10.43	6.21
	39	7.21	5.61	7.83	5.65	8.97	6.23	9.55	6.34	9.68	6.24	9.94	6.35	10.22	6.14
	41	7.21	5.61	7.80	5.63	8.70	6.10	9.16	6.16	9.27	6.04	9.50	6.17	9.74	5.94
	43	7.21	5.61	7.78	5.62	8.44	5.98	8.77	5.98	8.86	5.87	9.05	5.98	9.26	5.78

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 20 (m³/min)	-19.8	-20	6.31	6.31	6.31	6.31	6.31
	-17.8	-18	6.72	6.72	6.72	6.72	6.72
	-15.7	-16	7.12	7.12	7.12	7.12	7.12
	-13.7	-14	7.53	7.53	7.53	7.53	7.53
	-11.7	-12	7.94	7.94	7.94	7.94	7.94
	-9.6	-10	8.34	8.34	8.34	8.34	8.34
	-7.5	-8	8.85	8.85	8.85	8.85	8.85
	-5.5	-6	9.36	9.36	9.36	9.36	9.36
	-3.4	-4	9.68	9.67	9.66	9.56	9.47
	-1.3	-2	10.01	9.98	9.96	9.76	9.57
	0.8	0	10.55	10.40	10.25	9.89	9.52
	3.9	3	11.45	11.04	10.64	10.04	9.44
	7.0	6	12.51	11.70	10.88	10.12	9.36
	10.1	9	12.43	11.63	10.84	10.06	9.28
	13.2	12	12.35	11.56	10.77	9.98	9.19
	16.9	15.5	12.25	11.46	10.68	9.89	9.10

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJF000Z193

Model **FDT140KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			11.48	9.15	13.72	10.34	14.84	10.62	15.79	10.76	17.69	11.61	18.36	11.30
	12			11.48	9.15	13.72	10.34	14.84	10.62	15.77	10.75	17.62	11.59	18.28	11.27
	14			11.48	9.15	13.72	10.34	14.84	10.62	15.75	10.74	17.56	11.56	18.20	11.25
	16			11.48	9.15	13.72	10.34	14.84	10.62	15.72	10.73	17.49	11.54	18.13	11.23
	18			11.48	9.15	13.72	10.34	14.84	10.62	15.70	10.72	17.43	11.50	18.05	11.18
P-Hi	20			11.48	9.15	13.72	10.34	14.84	10.62	15.68	10.71	17.37	11.48	17.97	11.16
	22			11.46	9.14	13.71	10.33	14.84	10.62	15.61	10.69	17.15	11.40	17.72	11.08
37	24			11.44	9.13	13.71	10.33	14.84	10.62	15.54	10.64	16.93	11.31	17.48	10.94
(m³/min)	26			11.43	9.13	13.64	10.31	14.70	10.54	15.35	10.58	16.66	11.16	17.21	10.86
	28	10.36	9.02	11.42	9.13	13.58	10.28	14.56	10.49	15.17	10.49	16.39	11.07	16.94	10.78
	30	10.36	9.02	11.40	9.12	13.48	10.24	14.42	10.42	14.99	10.42	16.14	10.99	16.69	10.71
	32	10.36	9.02	11.37	9.11	13.37	10.20	14.28	10.33	14.82	10.36	15.89	10.90	16.43	10.63
	34	10.36	9.02	11.33	9.09	13.32	10.18	14.09	10.26	14.58	10.22	15.56	10.80	16.09	10.51
	35	10.36	9.02	11.31	9.08	13.30	10.17	14.00	10.23	14.46	10.18	15.39	10.72	15.92	10.43
	36	10.36	9.02	11.30	9.08	13.20	10.13	13.93	10.20	14.32	10.13	15.11	10.63	15.61	10.34
	38	10.36	9.02	11.27	9.06	13.00	10.06	13.79	10.15	14.05	10.03	14.56	10.41	15.00	10.14
	39	10.36	9.02	11.26	9.06	12.90	10.02	13.72	10.12	13.91	9.98	14.28	10.32	14.69	10.03
	41	10.36	9.02	11.22	9.04	12.51	9.85	13.16	9.91	13.32	9.75	13.65	10.09	14.00	9.80
	43	10.36	9.02	11.18	9.03	12.13	9.68	12.60	9.67	12.74	9.53	13.02	9.85	13.31	9.58

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	9.28	9.28	9.28	9.28	9.28
	-17.8	-18	9.88	9.88	9.88	9.88	9.88
	-15.7	-16	10.47	10.47	10.47	10.47	10.47
	-13.7	-14	11.07	11.07	11.07	11.07	11.07
	-11.7	-12	11.67	11.67	11.67	11.67	11.67
P-Hi	-9.6	-10	12.27	12.27	12.27	12.27	12.27
	-7.5	-8	13.01	13.01	13.01	13.01	13.01
37	-5.5	-6	13.76	13.76	13.76	13.76	13.76
(m³/min)	-3.4	-4	14.24	14.22	14.20	14.06	13.92
	-1.3	-2	14.72	14.68	14.64	14.36	14.08
	0.8	0	15.52	15.30	15.08	14.54	14.00
	3.9	3	16.84	16.24	15.64	14.76	13.88
	7.0	6	18.40	17.20	16.00	14.88	13.76
	10.1	9	18.28	17.11	15.94	14.79	13.64
	13.2	12	18.16	17.00	15.84	14.68	13.52
	16.9	15.5	18.02	16.86	15.70	14.54	13.38

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			11.07	8.26	13.23	9.39	14.31	9.65	15.22	9.80	17.05	10.56	17.71	10.25
	12			11.07	8.26	13.23	9.39	14.31	9.65	15.20	9.79	16.99	10.51	17.63	10.22
	14			11.07	8.26	13.23	9.39	14.31	9.65	15.18	9.79	16.93	10.49	17.55	10.20
	16			11.07	8.26	13.23	9.39	14.31	9.65	15.16	9.78	16.87	10.47	17.48	10.17
	18			11.07	8.26	13.23	9.39	14.31	9.65	15.14	9.77	16.81	10.44	17.40	10.15
Hi	20			11.07	8.26	13.23	9.39	14.31	9.65	15.12	9.76	16.75	10.42	17.33	10.13
	22			11.05	8.25	13.22	9.39	14.31	9.65	15.05	9.72	16.53	10.34	17.09	10.03
30	24			11.03	8.24	13.22	9.39	14.31	9.65	14.98	9.69	16.32	10.25	16.85	9.94
(m³/min)	26			11.03	8.24	13.16	9.36	14.18	9.58	14.80	9.61	16.06	10.14	16.59	9.84
	28	9.99	8.12	11.02	8.24	13.10	9.32	14.04	9.53	14.63	9.55	15.81	10.04	16.33	9.74
	30	9.99	8.12	10.99	8.23	12.99	9.28	13.91	9.46	14.46	9.47	15.57	9.94	16.09	9.64
	32	9.99	8.12	10.96	8.21	12.89	9.23	13.77	9.40	14.29	9.38	15.33	9.86	15.85	9.55
	34	9.99	8.12	10.93	8.20	12.85	9.22	13.59	9.32	14.06	9.30	15.00	9.71	15.52	9.43
	35	9.99	8.12	10.91	8.19	12.83	9.21	13.50	9.28	13.95	9.24	14.84	9.65	15.35	9.38
	36	9.99	8.12	10.89	8.18	12.73	9.16	13.43	9.26	13.81	9.19	14.57	9.55	15.06	9.24
	38	9.99	8.12	10.87	8.17	12.53	9.06	13.30	9.19	13.55	9.08	14.04	9.32	14.46	9.05
	39	9.99	8.12	10.85	8.17	12.44	9.02	13.23	9.16	13.41	9.01	13.77	9.22	14.16	8.94
	41	9.99	8.12	10.82	8.15	12.07	8.85	12.69	8.89	12.85	8.76	13.16	9.00	13.50	8.72
	43	9.99	8.12	10.78	8.14	11.69	8.69	12.15	8.68	12.28	8.54	12.55	8.77	12.83	8.49

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	8.99	8.99	8.99	8.99	8.99
	-17.8	-18	9.57	9.57	9.57	9.57	9.57
	-15.7	-16	10.15	10.15	10.15	10.15	10.15
	-13.7	-14	10.73	10.73	10.73	10.73	10.73
	-11.7	-12	11.30	11.30	11.30	11.30	11.30
Hi	-9.6	-10	11.88	11.88	11.88	11.88	11.88
	-7.5	-8	12.61	12.61	12.61	12.61	12.61
30	-5.5	-6	13.33	13.33	13.33	13.33	13.33
(m³/min)	-3.4	-4	13.80	13.78	13.76	13.62	13.49
	-1.3	-2	14.26	14.22	14.18	13.91	13.64
	0.8	0	15.04	14.82	14.61	14.09	13.56
	3.9	3	16.31	15.73	15.15	14.30	13.45
	7.0	6	17.83	16.66	15.50	14.42	13.33
	10.1	9	17.71	16.58	15.44	14.33	13.21
	13.2	12	17.59	16.47	15.35	14.22	13.10
	16.9	15.5	17.46	16.33	15.21	14.09	12.96

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			10.56	7.73	12.62	8.78	13.65	9.02	14.53	9.20	16.27	9.91	16.89	9.62
	12			10.56	7.73	12.62	8.78	13.65	9.02	14.51	9.19	16.21	9.89	16.82	9.59
	14			10.56	7.73	12.62	8.78	13.65	9.02	14.49	9.18	16.15	9.85	16.75	9.56
	16			10.56	7.73	12.62	8.78	13.65	9.02	14.47	9.18	16.09	9.83	16.68	9.54
	18			10.56	7.73	12.62	8.78	13.65	9.02	14.45	9.16	16.04	9.81	16.60	9.50
Me	20			10.56	7.73	12.62	8.78	13.65	9.02	14.43	9.15	15.98	9.78	16.53	9.47
	22			10.54	7.72	12.62	8.78	13.65	9.02	14.36	9.12	15.77	9.69	16.30	9.38
27	24			10.53	7.72	12.61	8.78	13.65	9.02	14.29	9.09	15.57	9.60	16.08	9.27
(m³/min)	26			10.52	7.71	12.55	8.75	13.52	8.97	14.12	8.99	15.33	9.50	15.83	9.19
	28	9.53	7.57	10.51	7.71	12.49	8.72	13.40	8.92	13.96	8.92	15.08	9.38	15.58	9.11
	30	9.53	7.57	10.48	7.70	12.40	8.68	13.27	8.85	13.79	8.86	14.85	9.30	15.35	9.02
	32	9.53	7.57	10.46	7.69	12.30	8.64	13.14	8.80	13.63	8.80	14.62	9.20	15.12	8.93
	34	9.53	7.57	10.42	7.67	12.26	8.61	12.97	8.72	13.41	8.70	14.31	9.08	14.81	8.82
	35	9.53	7.57	10.41	7.67	12.24	8.60	12.88	8.68	13.31	8.65	14.16	9.01	14.65	8.75
	36	9.53	7.57	10.39	7.66	12.14	8.56	12.82	8.66	13.18	8.59	13.90	8.91	14.37	8.65
	38	9.53	7.57	10.37	7.65	11.96	8.47	12.69	8.60	12.92	8.48	13.40	8.70	13.80	8.44
	39	9.53	7.57	10.36	7.64	11.87	8.44	12.62	8.57	12.80	8.42	13.14	8.60	13.51	8.30
	41	9.53	7.57	10.32	7.63	11.51	8.26	12.11	8.34	12.26	8.19	12.56	8.36	12.88	8.10
	43	9.53	7.57	10.28	7.60	11.16	8.11	11.59	8.11	11.72	7.94	11.97	8.14	12.25	7.88

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	8.54	8.54	8.54	8.54	8.54
	-17.8	-18	9.09	9.09	9.09	9.09	9.09
	-15.7	-16	9.64	9.64	9.64	9.64	9.64
	-13.7	-14	10.19	10.19	10.19	10.19	10.19
	-11.7	-12	10.74	10.74	10.74	10.74	10.74
Me	-9.6	-10	11.29	11.29	11.29	11.29	11.29
	-7.5	-8	11.97	11.97	11.97	11.97	11.97
27	-5.5	-6	12.66	12.66	12.66	12.66	12.66
(m³/min)	-3.4	-4	13.10	13.08	13.06	12.94	12.81
	-1.3	-2	13.54	13.51	13.47	13.21	12.95
	0.8	0	14.28	14.08	13.87	13.38	12.88
	3.9	3	15.49	14.94	14.39	13.58	12.77
	7.0	6	16.93	15.82	14.72	13.69	12.66
	10.1	9	16.82	15.74	14.66	13.61	12.55
	13.2	12	16.71	15.64	14.57	13.51	12.44
	16.9	15.5	16.58	15.51	14.44	13.38	12.31

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			9.64	6.92	11.52	7.87	12.47	8.11	13.26	8.27	14.86	8.92	15.43	8.64
	12			9.64	6.92	11.52	7.87	12.47	8.11	13.24	8.26	14.80	8.88	15.36	8.62
	14			9.64	6.92	11.52	7.87	12.47	8.11	13.23	8.26	14.75	8.86	15.29	8.58
	16			9.64	6.92	11.52	7.87	12.47	8.11	13.21	8.25	14.69	8.84	15.23	8.56
	18			9.64	6.92	11.52	7.87	12.47	8.11	13.19	8.23	14.64	8.81	15.16	8.54
Lo	20			9.64	6.92	11.52	7.87	12.47	8.11	13.17	8.22	14.59	8.79	15.09	8.50
	22			9.63	6.91	11.52	7.87	12.47	8.11	13.11	8.20	14.40	8.71	14.89	8.42
23	24			9.61	6.90	11.51	7.87	12.47	8.11	13.05	8.17	14.22	8.63	14.68	8.34
(m³/min)	26			9.60	6.90	11.46	7.85	12.35	8.06	12.90	8.08	13.99	8.52	14.46	8.23
	28	8.70	6.79	9.60	6.90	11.41	7.82	12.23	8.01	12.74	8.02	13.77	8.43	14.23	8.15
	30	8.70	6.79	9.57	6.88	11.32	7.78	12.11	7.95	12.60	7.96	13.56	8.32	14.02	8.08
	32	8.70	6.79	9.55	6.88	11.23	7.74	12.00	7.90	12.45	7.89	13.35	8.25	13.80	7.99
	34	8.70	6.79	9.52	6.86	11.19	7.72	11.84	7.82	12.25	7.80	13.07	8.13	13.52	7.87
	35	8.70	6.79	9.50	6.85	11.17	7.71	11.76	7.78	12.15	7.76	12.93	8.07	13.38	7.83
	36	8.70	6.79	9.49	6.85	11.09	7.67	11.70	7.76	12.03	7.70	12.69	7.97	13.12	7.72
	38	8.70	6.79	9.47	6.84	10.92	7.58	11.58	7.70	11.80	7.60	12.23	7.78	12.60	7.53
	39	8.70	6.79	9.46	6.83	10.83	7.55	11.52	7.67	11.68	7.55	12.00	7.68	12.34	7.40
	41	8.70	6.79	9.42	6.82	10.51	7.40	11.05	7.46	11.19	7.33	11.47	7.46	11.76	7.22
	43	8.70	6.79	9.39	6.80	10.19	7.23	10.58	7.22	10.70	7.10	10.93	7.25	11.18	7.01

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	7.80	7.80	7.80	7.80	7.80
	-17.8	-18	8.30	8.30	8.30	8.30	8.30
	-15.7	-16	8.80	8.80	8.80	8.80	8.80
	-13.7	-14	9.30	9.30	9.30	9.30	9.30
	-11.7	-12	9.80	9.80	9.80	9.80	9.80
Lo	-9.6	-10	10.30	10.30	10.30	10.30	10.30
	-7.5	-8	10.93	10.93	10.93	10.93	10.93
23	-5.5	-6	11.56	11.56	11.56	11.56	11.56
(m³/min)	-3.4	-4	11.96	11.94	11.93	11.81	11.69
	-1.3	-2	12.36	12.33	12.30	12.06	11.83
	0.8	0	13.04	12.85	12.67	12.21	11.76
	3.9	3	14.15	13.64	13.14	12.40	11.66
	7.0	6	15.46	14.45	13.44	12.50	11.56
	10.1	9	15.36	14.37	13.39	12.42	11.46
	13.2	12	15.25	14.28	13.31	12.33	11.36
	16.9	15.5	15.14	14.16	13.19	12.21	11.24

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJF000Z193

Model FDT160KXE6F Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
P-Hi 37 (m³/min)	10			13.12	9.91	15.68	11.24	16.96	11.54	18.04	11.69	20.21	12.63	20.99	12.25
	12			13.12	9.91	15.68	11.24	16.96	11.54	18.02	11.68	20.14	12.61	20.90	12.22
	14			13.12	9.91	15.68	11.24	16.96	11.54	18.00	11.67	20.07	12.58	20.81	12.19
	16			13.12	9.91	15.68	11.24	16.96	11.54	17.97	11.66	19.99	12.54	20.72	12.16
	18			13.12	9.91	15.68	11.24	16.96	11.54	17.95	11.66	19.92	12.48	20.62	12.13
	20			13.12	9.91	15.68	11.24	16.96	11.54	17.92	11.64	19.85	12.45	20.53	12.10
	22			13.10	9.90	15.67	11.24	16.96	11.54	17.84	11.61	19.60	12.36	20.25	12.01
	24			13.08	9.89	15.67	11.24	16.96	11.54	17.75	11.58	19.34	12.27	19.97	11.90
	26			13.07	9.89	15.59	11.20	16.80	11.46	17.55	11.50	19.04	12.15	19.67	11.79
	28	11.84	9.73	13.06	9.88	15.52	11.16	16.64	11.40	17.34	11.42	18.73	12.02	19.36	11.67
	30	11.84	9.73	13.02	9.87	15.40	11.11	16.48	11.32	17.14	11.33	18.45	11.91	19.07	11.56
	32	11.84	9.73	12.99	9.85	15.28	11.06	16.32	11.26	16.93	11.23	18.16	11.81	18.78	11.45
	34	11.84	9.73	12.95	9.84	15.23	11.04	16.11	11.16	16.66	11.13	17.78	11.64	18.39	11.31
	35	11.84	9.73	12.93	9.83	15.20	11.01	16.00	11.12	16.53	11.06	17.59	11.57	18.20	11.25
	36	11.84	9.73	12.91	9.82	15.09	10.97	15.92	11.08	16.37	11.00	17.27	11.45	17.85	11.12
	38	11.84	9.73	12.88	9.81	14.86	10.88	15.76	11.00	16.05	10.87	16.64	11.15	17.14	10.84
	39	11.84	9.73	12.86	9.80	14.74	10.81	15.68	10.97	15.89	10.79	16.32	11.05	16.79	10.74
	41	11.84	9.73	12.82	9.78	14.30	10.62	15.04	10.69	15.23	10.53	15.60	10.81	16.00	10.48
	43	11.84	9.73	12.77	9.76	13.86	10.39	14.40	10.41	14.56	10.21	14.87	10.53	15.21	10.20

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 37 (m³/min)	-19.8	-20	10.44	10.44	10.44	10.44	10.44
	-17.8	-18	11.11	11.11	11.11	11.11	11.11
	-15.7	-16	11.78	11.78	11.78	11.78	11.78
	-13.7	-14	12.46	12.46	12.46	12.46	12.46
	-11.7	-12	13.13	13.13	13.13	13.13	13.13
	-9.6	-10	13.80	13.80	13.80	13.80	13.80
	-7.5	-8	14.64	14.64	14.64	14.64	14.64
	-5.5	-6	15.48	15.48	15.48	15.48	15.48
	-3.4	-4	16.02	16.00	15.98	15.82	15.66
	-1.3	-2	16.56	16.52	16.47	16.16	15.84
	0.8	0	17.46	17.21	16.97	16.36	15.75
	3.9	3	18.95	18.27	17.60	16.61	15.62
	7.0	6	20.70	19.35	18.00	16.74	15.48
	10.1	9	20.57	19.25	17.93	16.64	15.35
	13.2	12	20.43	19.13	17.82	16.52	15.21
	16.9	15.5	20.27	18.97	17.66	16.36	15.05

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Hi 30 (m³/min)	10			12.79	9.08	15.29	10.34	16.54	10.67	17.59	10.87	19.71	11.71	20.46	11.36
	12			12.79	9.08	15.29	10.34	16.54	10.67	17.57	10.86	19.64	11.68	20.37	11.31
	14			12.79	9.08	15.29	10.34	16.54	10.67	17.55	10.85	19.56	11.65	20.29	11.28
	16			12.79	9.08	15.29	10.34	16.54	10.67	17.52	10.84	19.49	11.61	20.20	11.24
	18			12.79	9.08	15.29	10.34	16.54	10.67	17.50	10.83	19.42	11.58	20.11	11.21
	20			12.79	9.08	15.29	10.34	16.54	10.67	17.47	10.82	19.35	11.54	20.02	11.16
	22			12.77	9.07	15.28	10.34	16.54	10.67	17.39	10.77	19.11	11.44	19.75	11.06
	24			12.75	9.06	15.27	10.33	16.54	10.67	17.31	10.74	18.86	11.33	19.47	10.93
	26			12.74	9.06	15.20	10.30	16.38	10.57	17.11	10.64	18.56	11.19	19.18	10.79
	28	11.54	8.88	12.73	9.06	15.13	10.26	16.22	10.50	16.90	10.55	18.27	11.06	18.88	10.69
	30	11.54	8.88	12.70	9.04	15.02	10.21	16.07	10.44	16.71	10.43	17.99	10.92	18.59	10.58
	32	11.54	8.88	12.67	9.03	14.90	10.15	15.91	10.36	16.51	10.35	17.71	10.82	18.31	10.47
	34	11.54	8.88	12.63	8.99	14.85	10.12	15.70	10.26	16.25	10.23	17.34	10.66	17.93	10.32
	35	11.54	8.88	12.60	8.97	14.82	10.11	15.60	10.21	16.12	10.18	17.15	10.57	17.74	10.24
	36	11.54	8.88	12.59	8.97	14.71	10.05	15.52	10.17	15.96	10.11	16.84	10.44	17.40	10.12
	38	11.54	8.88	12.56	8.95	14.48	9.94	15.37	10.11	15.65	9.96	16.22	10.19	16.71	9.83
	39	11.54	8.88	12.54	8.95	14.37	9.89	15.29	10.06	15.50	9.90	15.92	10.03	16.37	9.72
	41	11.54	8.88	12.50	8.93	13.94	9.66	14.66	9.78	14.85	9.61	15.21	9.76	15.60	9.43
	43	11.54	8.88	12.45	8.90	13.51	9.48	14.04	9.48	14.19	9.31	14.50	9.48	14.83	9.14

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 30 (m³/min)	-19.8	-20	10.15	10.15	10.15	10.15	10.15
	-17.8	-18	10.80	10.80	10.80	10.80	10.80
	-15.7	-16	11.46	11.46	11.46	11.46	11.46
	-13.7	-14	12.11	12.11	12.11	12.11	12.11
	-11.7	-12	12.76	12.76	12.76	12.76	12.76
	-9.6	-10	13.42	13.42	13.42	13.42	13.42
	-7.5	-8	14.23	14.23	14.23	14.23	14.23
	-5.5	-6	15.05	15.05	15.05	15.05	15.05
	-3.4	-4	15.58	15.55	15.53	15.38	15.23
	-1.3	-2	16.10	16.06	16.01	15.71	15.40
	0.8	0	16.98	16.73	16.49	15.90	15.31
	3.9	3	18.42	17.76	17.11	16.14	15.18
	7.0	6	20.13	18.81	17.50	16.28	15.05
	10.1	9	19.99	18.71	17.43	16.18	14.92
	13.2	12	19.86	18.59	17.33	16.06	14.79
	16.9	15.5	19.71	18.44	17.17	15.90	14.63

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Me 27 (m³/min)	10			12.07	8.54	14.42	9.72	15.60	10.02	16.60	10.22	18.60	11.02	19.31	10.68
	12			12.07	8.54	14.42	9.72	15.60	10.02	16.58	10.21	18.53	10.98	19.22	10.64
	14			12.07	8.54	14.42	9.72	15.60	10.02	16.56	10.20	18.46	10.95	19.14	10.60
	16			12.07	8.54	14.42	9.72	15.60	10.02	16.53	10.19	18.39	10.93	19.06	10.57
	18			12.07	8.54	14.42	9.72	15.60	10.02	16.51	10.18	18.33	10.89	18.97	10.54
	20			12.07	8.54	14.42	9.72	15.60	10.02	16.49	10.17	18.26	10.86	18.89	10.50
	22			12.05	8.53	14.42	9.72	15.60	10.02	16.41	10.14	18.03	10.76	18.63	10.39
	24			12.03	8.52	14.41	9.70	15.60	10.02	16.33	10.09	17.80	10.66	18.38	10.29
	26			12.02	8.51	14.35	9.68	15.46	9.96	16.14	9.99	17.52	10.52	18.09	10.16
	28	10.89	8.35	12.01	8.51	14.28	9.65	15.31	9.88	15.95	9.91	17.24	10.40	17.81	10.04
	30	10.89	8.35	11.98	8.49	14.17	9.59	15.16	9.81	15.77	9.83	16.97	10.26	17.54	9.94
	32	10.89	8.35	11.95	8.48	14.06	9.54	15.01	9.74	15.58	9.74	16.71	10.16	17.28	9.84
	34	10.89	8.35	11.91	8.46	14.01	9.51	14.82	9.65	15.33	9.63	16.36	10.01	16.92	9.70
	35	10.89	8.35	11.89	8.45	13.98	9.50	14.72	9.59	15.21	9.56	16.18	9.93	16.74	9.62
	36	10.89	8.35	11.88	8.45	13.88	9.45	14.65	9.56	15.06	9.49	15.89	9.81	16.42	9.50
	38	10.89	8.35	11.85	8.42	13.67	9.34	14.50	9.50	14.77	9.36	15.31	9.56	15.77	9.24
	39	10.89	8.35	11.83	8.41	13.56	9.29	14.43	9.46	14.62	9.30	15.02	9.45	15.44	9.09
	41	10.89	8.35	11.79	8.40	13.16	9.08	13.84	9.18	14.01	9.02	14.35	9.15	14.72	8.85
	43	10.89	8.35	11.75	8.38	12.75	8.91	13.25	8.90	13.39	8.74	13.68	8.89	13.99	8.58

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 27 (m³/min)	-19.8	-20	9.60	9.60	9.60	9.60	9.60
	-17.8	-18	10.22	10.22	10.22	10.22	10.22
	-15.7	-16	10.84	10.84	10.84	10.84	10.84
	-13.7	-14	11.46	11.46	11.46	11.46	11.46
	-11.7	-12	12.08	12.08	12.08	12.08	12.08
	-9.6	-10	12.70	12.70	12.70	12.70	12.70
	-7.5	-8	13.47	13.47	13.47	13.47	13.47
	-5.5	-6	14.24	14.24	14.24	14.24	14.24
	-3.4	-4	14.74	14.72	14.70	14.55	14.41
	-1.3	-2	15.24	15.19	15.15	14.86	14.57
	0.8	0	16.06	15.84	15.61	15.05	14.49
	3.9	3	17.43	16.81	16.19	15.28	14.37
	7.0	6	19.04	17.80	16.56	15.40	14.24
	10.1	9	18.92	17.71	16.50	15.31	14.12
	13.2	12	18.80	17.60	16.39	15.19	13.99
	16.9	15.5	18.65	17.45	16.25	15.05	13.85

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Lo 23 (m³/min)	10			10.54	7.45	12.60	8.48	13.63	8.74	14.50	8.93	16.25	9.61	16.87	9.32
	12			10.54	7.45	12.60	8.48	13.63	8.74	14.48	8.92	16.19	9.58	16.80	9.30
	14			10.54	7.45	12.60	8.48	13.63	8.74	14.46	8.91	16.13	9.56	16.72	9.25
	16			10.54	7.45	12.60	8.48	13.63	8.74	14.44	8.90	16.07	9.53	16.65	9.23
	18			10.54	7.45	12.60	8.48	13.63	8.74	14.42	8.88	16.01	9.51	16.58	9.20
	20			10.54	7.45	12.60	8.48	13.63	8.74	14.40	8.87	15.95	9.48	16.50	9.16
	22			10.53	7.44	12.60	8.48	13.63	8.74	14.34	8.84	15.75	9.39	16.28	9.07
	24			10.51	7.44	12.59	8.47	13.63	8.74	14.27	8.81	15.55	9.30	16.05	8.97
	26			10.50	7.43	12.53	8.45	13.50	8.68	14.10	8.73	15.30	9.18	15.81	8.87
	28	9.52	7.29	10.49	7.42	12.47	8.42	13.37	8.62	13.94	8.64	15.06	9.07	15.56	8.77
	30	9.52	7.29	10.47	7.42	12.38	8.37	13.25	8.57	13.77	8.57	14.83	8.97	15.33	8.68
	32	9.52	7.29	10.44	7.40	12.28	8.32	13.12	8.50	13.61	8.50	14.60	8.86	15.09	8.55
	34	9.52	7.29	10.41	7.39	12.24	8.31	12.95	8.42	13.39	8.40	14.29	8.71	14.78	8.44
	35	9.52	7.29	10.39	7.37	12.22	8.30	12.86	8.38	13.29	8.35	14.14	8.65	14.63	8.39
	36	9.52	7.29	10.38	7.36	12.12	8.24	12.80	8.35	13.16	8.29	13.88	8.55	14.34	8.28
	38	9.52	7.29	10.35	7.35	11.94	8.15	12.67	8.28	12.90	8.17	13.37	8.34	13.78	8.06
	39	9.52	7.29	10.34	7.35	11.85	8.11	12.60	8.25	12.78	8.12	13.12	8.24	13.49	7.95
	41	9.52	7.29	10.30	7.33	11.49	7.94	12.09	8.01	12.24	7.87	12.54	8.00	12.86	7.72
	43	9.52	7.29	10.27	7.31	11.14	7.78	11.57	7.77	11.70	7.64	11.96	7.76	12.23	7.49

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 23 (m³/min)	-19.8	-20	8.39	8.39	8.39	8.39	8.39
	-17.8	-18	8.93	8.93	8.93	8.93	8.93
	-15.7	-16	9.47	9.47	9.47	9.47	9.47
	-13.7	-14	10.01	10.01	10.01	10.01	10.01
	-11.7	-12	10.55	10.55	10.55	10.55	10.55
	-9.6	-10	11.09	11.09	11.09	11.09	11.09
	-7.5	-8	11.77	11.77	11.77	11.77	11.77
	-5.5	-6	12.44	12.44	12.44	12.44	12.44
	-3.4	-4	12.88	12.86	12.84	12.72	12.59
	-1.3	-2	13.31	13.28	13.24	12.99	12.73
	0.8	0	14.04	13.84	13.64	13.15	12.66
	3.9	3	15.23	14.69	14.14	13.35	12.55
	7.0	6	16.64	15.56	14.47	13.46	12.44
	10.1	9	16.53	15.47	14.42	13.38	12.34
	13.2	12	16.42	15.37	14.33	13.28	12.23
	16.9	15.5	16.30	15.25	14.20	13.15	12.10

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJF000Z193

(b) Ceiling cassette-4 way compact type (FDTC)

Model **FDTC22KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
P-Hi 12 (m³/min)	10			1.80	1.73	2.16	2.07	2.33	2.24	2.48	2.26	2.78	2.46	2.89	2.42
	12			1.80	1.73	2.16	2.07	2.33	2.24	2.48	2.26	2.77	2.46	2.87	2.41
	14			1.80	1.73	2.16	2.07	2.33	2.24	2.47	2.26	2.76	2.45	2.86	2.41
	16			1.80	1.73	2.16	2.07	2.33	2.24	2.47	2.26	2.75	2.45	2.85	2.41
	18			1.80	1.73	2.16	2.07	2.33	2.24	2.47	2.26	2.74	2.45	2.84	2.40
	20			1.80	1.73	2.16	2.07	2.33	2.24	2.46	2.25	2.73	2.44	2.82	2.40
	22			1.80	1.73	2.15	2.06	2.33	2.24	2.45	2.25	2.69	2.43	2.78	2.38
	24			1.80	1.73	2.15	2.06	2.33	2.24	2.44	2.25	2.66	2.42	2.75	2.37
	26			1.80	1.73	2.14	2.05	2.31	2.22	2.41	2.24	2.62	2.41	2.70	2.36
	28	1.63	1.56	1.80	1.73	2.13	2.04	2.29	2.20	2.38	2.22	2.58	2.39	2.66	2.35
	30	1.63	1.56	1.79	1.72	2.12	2.04	2.27	2.18	2.36	2.22	2.54	2.38	2.62	2.33
	32	1.63	1.56	1.79	1.72	2.10	2.02	2.24	2.15	2.33	2.21	2.50	2.36	2.58	2.32
	34	1.63	1.56	1.78	1.71	2.09	2.01	2.21	2.12	2.29	2.20	2.44	2.34	2.53	2.28
	35	1.63	1.56	1.78	1.71	2.09	2.01	2.20	2.11	2.27	2.18	2.42	2.32	2.50	2.28
	36	1.63	1.56	1.78	1.71	2.07	1.99	2.19	2.10	2.25	2.16	2.37	2.28	2.45	2.26
	38	1.63	1.56	1.77	1.70	2.04	1.96	2.17	2.08	2.21	2.12	2.29	2.20	2.36	2.24
	39	1.63	1.56	1.77	1.70	2.03	1.95	2.16	2.07	2.19	2.10	2.24	2.15	2.31	2.22
	41	1.63	1.56	1.76	1.69	1.97	1.89	2.07	1.99	2.09	2.01	2.14	2.05	2.20	2.11
	43	1.63	1.56	1.76	1.69	1.91	1.83	1.98	1.90	2.00	1.92	2.05	1.97	2.09	2.01

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 12 (m³/min)	-19.8	-20	1.45	1.45	1.45	1.45	1.45
	-17.8	-18	1.54	1.54	1.54	1.54	1.54
	-15.7	-16	1.64	1.64	1.64	1.64	1.64
	-13.7	-14	1.73	1.73	1.73	1.73	1.73
	-11.7	-12	1.82	1.82	1.82	1.82	1.82
	-9.6	-10	1.92	1.92	1.92	1.92	1.92
	-7.5	-8	2.03	2.03	2.03	2.03	2.03
	-5.5	-6	2.15	2.15	2.15	2.15	2.15
	-3.4	-4	2.23	2.22	2.22	2.20	2.18
	-1.3	-2	2.30	2.29	2.29	2.24	2.20
	0.8	0	2.43	2.39	2.36	2.27	2.19
	3.9	3	2.63	2.54	2.44	2.31	2.17
	7.0	6	2.88	2.69	2.50	2.33	2.15
	10.1	9	2.86	2.67	2.49	2.31	2.13
	13.2	12	2.84	2.66	2.48	2.29	2.11
	16.9	15.5	2.82	2.63	2.45	2.27	2.09

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 9.5 (m³/min)	10			1.74	1.67	2.08	1.94	2.25	1.97	2.39	1.99	2.68	2.16	2.78	2.12
	12			1.74	1.67	2.08	1.94	2.25	1.97	2.39	1.99	2.67	2.16	2.77	2.11
	14			1.74	1.67	2.08	1.94	2.25	1.97	2.38	1.98	2.66	2.15	2.76	2.10
	16			1.74	1.67	2.08	1.94	2.25	1.97	2.38	1.98	2.65	2.15	2.74	2.10
	18			1.74	1.67	2.08	1.94	2.25	1.97	2.38	1.98	2.64	2.15	2.73	2.10
	20			1.74	1.67	2.08	1.94	2.25	1.97	2.37	1.98	2.63	2.14	2.72	2.09
	22			1.74	1.67	2.08	1.94	2.25	1.97	2.36	1.98	2.60	2.13	2.68	2.08
	24			1.73	1.66	2.08	1.94	2.25	1.97	2.35	1.97	2.56	2.12	2.65	2.07
	26			1.73	1.66	2.07	1.93	2.23	1.96	2.32	1.96	2.52	2.11	2.61	2.06
	28	1.57	1.51	1.73	1.66	2.06	1.93	2.20	1.95	2.30	1.96	2.48	2.09	2.57	2.03
	30	1.57	1.51	1.73	1.66	2.04	1.92	2.18	1.95	2.27	1.94	2.44	2.08	2.53	2.02
	32	1.57	1.51	1.72	1.65	2.02	1.92	2.16	1.94	2.24	1.93	2.41	2.05	2.49	2.01
	34	1.57	1.51	1.72	1.65	2.02	1.92	2.13	1.93	2.21	1.92	2.36	2.04	2.44	2.00
	35	1.57	1.51	1.71	1.64	2.01	1.91	2.12	1.92	2.19	1.92	2.33	2.03	2.41	1.99
	36	1.57	1.51	1.71	1.64	2.00	1.91	2.11	1.92	2.17	1.90	2.29	2.02	2.36	1.98
	38	1.57	1.51	1.71	1.64	1.97	1.89	2.09	1.91	2.13	1.89	2.20	1.99	2.27	1.95
	39	1.57	1.51	1.70	1.63	1.95	1.87	2.08	1.91	2.11	1.89	2.16	1.98	2.22	1.94
	41	1.57	1.51	1.70	1.63	1.89	1.81	1.99	1.86	2.02	1.84	2.07	1.95	2.12	1.91
	43	1.57	1.51	1.69	1.62	1.84	1.77	1.91	1.83	1.93	1.81	1.97	1.89	2.02	1.88

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 9.5 (m³/min)	-19.8	-20	1.39	1.39	1.39	1.39	1.39
	-17.8	-18	1.48	1.48	1.48	1.48	1.48
	-15.7	-16	1.57	1.57	1.57	1.57	1.57
	-13.7	-14	1.66	1.66	1.66	1.66	1.66
	-11.7	-12	1.75	1.75	1.75	1.75	1.75
	-9.6	-10	1.84	1.84	1.84	1.84	1.84
	-7.5	-8	1.95	1.95	1.95	1.95	1.95
	-5.5	-6	2.06	2.06	2.06	2.06	2.06
	-3.4	-4	2.14	2.13	2.13	2.11	2.09
	-1.3	-2	2.21	2.20	2.20	2.15	2.11
	0.8	0	2.33	2.30	2.26	2.18	2.10
	3.9	3	2.53	2.44	2.35	2.21	2.08
	7.0	6	2.76	2.58	2.40	2.23	2.06
	10.1	9	2.74	2.57	2.39	2.22	2.05
	13.2	12	2.72	2.55	2.38	2.20	2.03
	16.9	15.5	2.70	2.53	2.36	2.18	2.01

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 8.5 (m³/min)	10			1.70	1.60	2.03	1.82	2.19	1.85	2.33	1.86	2.61	2.02	2.72	1.98
	12			1.70	1.60	2.03	1.82	2.19	1.85	2.33	1.86	2.61	2.02	2.70	1.97
	14			1.70	1.60	2.03	1.82	2.19	1.85	2.33	1.86	2.60	2.02	2.69	1.97
	16			1.70	1.60	2.03	1.82	2.19	1.85	2.32	1.86	2.59	2.01	2.68	1.97
	18			1.70	1.60	2.03	1.82	2.19	1.85	2.32	1.86	2.58	2.01	2.67	1.96
	20			1.70	1.60	2.03	1.82	2.19	1.85	2.32	1.86	2.57	2.00	2.66	1.96
	22			1.69	1.60	2.03	1.82	2.19	1.85	2.31	1.86	2.54	1.99	2.62	1.95
	24			1.69	1.60	2.03	1.82	2.19	1.85	2.30	1.85	2.50	1.98	2.58	1.94
	26			1.69	1.60	2.02	1.81	2.17	1.84	2.27	1.84	2.46	1.97	2.54	1.92
	28	1.53	1.47	1.69	1.60	2.01	1.81	2.15	1.83	2.24	1.83	2.42	1.96	2.50	1.91
	30	1.53	1.47	1.68	1.60	1.99	1.79	2.13	1.82	2.22	1.82	2.39	1.94	2.47	1.88
	32	1.53	1.47	1.68	1.60	1.98	1.79	2.11	1.81	2.19	1.81	2.35	1.93	2.43	1.87
	34	1.53	1.47	1.68	1.60	1.97	1.78	2.08	1.80	2.16	1.80	2.30	1.90	2.38	1.86
	35	1.53	1.47	1.67	1.59	1.97	1.78	2.07	1.80	2.14	1.79	2.28	1.89	2.35	1.85
	36	1.53	1.47	1.67	1.59	1.95	1.78	2.06	1.80	2.12	1.79	2.23	1.88	2.31	1.84
	38	1.53	1.47	1.67	1.59	1.92	1.76	2.04	1.78	2.08	1.76	2.15	1.86	2.22	1.82
	39	1.53	1.47	1.66	1.59	1.91	1.76	2.03	1.77	2.06	1.75	2.11	1.84	2.17	1.80
	41	1.53	1.47	1.66	1.59	1.85	1.74	1.95	1.75	1.97	1.72	2.02	1.82	2.07	1.77
	43	1.53	1.47	1.65	1.58	1.79	1.72	1.86	1.72	1.88	1.70	1.92	1.78	1.97	1.75

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 8.5 (m³/min)	-19.8	-20	1.35	1.35	1.35	1.35	1.35
	-17.8	-18	1.43	1.43	1.43	1.43	1.43
	-15.7	-16	1.52	1.52	1.52	1.52	1.52
	-13.7	-14	1.61	1.61	1.61	1.61	1.61
	-11.7	-12	1.69	1.69	1.69	1.69	1.69
	-9.6	-10	1.78	1.78	1.78	1.78	1.78
	-7.5	-8	1.89	1.89	1.89	1.89	1.89
	-5.5	-6	2.00	2.00	2.00	2.00	2.00
	-3.4	-4	2.06	2.06	2.06	2.04	2.02
	-1.3	-2	2.13	2.13	2.12	2.08	2.04
	0.8	0	2.25	2.22	2.19	2.11	2.03
	3.9	3	2.44	2.35	2.27	2.14	2.01
	7.0	6	2.67	2.49	2.32	2.16	2.00
	10.1	9	2.65	2.48	2.31	2.14	1.98
	13.2	12	2.63	2.47	2.30	2.13	1.96
	16.9	15.5	2.61	2.44	2.28	2.11	1.94

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 7 (m³/min)	10			1.64	1.43	1.96	1.62	2.12	1.66	2.26	1.67	2.53	1.81	2.62	1.77
	12			1.64	1.43	1.96	1.62	2.12	1.66	2.25	1.67	2.52	1.81	2.61	1.77
	14			1.64	1.43	1.96	1.62	2.12	1.66	2.25	1.67	2.51	1.80	2.60	1.76
	16			1.64	1.43	1.96	1.62	2.12	1.66	2.25	1.67	2.50	1.80	2.59	1.76
	18			1.64	1.43	1.96	1.62	2.12	1.66	2.24	1.67	2.49	1.80	2.58	1.75
	20			1.64	1.43	1.96	1.62	2.12	1.66	2.24	1.67	2.48	1.79	2.57	1.75
	22			1.64	1.43	1.96	1.62	2.12	1.66	2.23	1.66	2.45	1.78	2.53	1.73
	24			1.63	1.43	1.96	1.62	2.12	1.66	2.22	1.66	2.42	1.77	2.50	1.73
	26			1.63	1.43	1.95	1.62	2.10	1.64	2.19	1.65	2.38	1.76	2.46	1.71
	28	1.48	1.42	1.63	1.43	1.94	1.61	2.08	1.64	2.17	1.64	2.34	1.74	2.42	1.70
	30	1.48	1.42	1.63	1.43	1.93	1.61	2.06	1.63	2.14	1.63	2.31	1.73	2.38	1.69
	32	1.48	1.42	1.62	1.43	1.91	1.60	2.04	1.62	2.12	1.62	2.27	1.72	2.35	1.68
	34	1.48	1.42	1.62	1.43	1.90	1.60	2.01	1.61	2.08	1.60	2.22	1.70	2.30	1.66
	35	1.48	1.42	1.62	1.43	1.90	1.60	2.00	1.61	2.07	1.60	2.20	1.69	2.27	1.65
	36	1.48	1.42	1.61	1.42	1.89	1.59	1.99	1.60	2.05	1.59	2.16	1.68	2.23	1.64
	38	1.48	1.42	1.61	1.42	1.86	1.58	1.97	1.60	2.01	1.58	2.08	1.65	2.14	1.60
	39	1.48	1.42	1.61	1.42	1.84	1.57	1.96	1.59	1.99	1.57	2.04	1.63	2.10	1.59
	41	1.48	1.42	1.60	1.42	1.79	1.55	1.88	1.55	1.90	1.53	1.95	1.60	2.00	1.56
	43	1.48	1.42	1.60	1.42	1.73	1.53	1.80	1.52	1.82	1.50	1.86	1.57	1.90	1.53

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 8 (m³/min)	-19.8	-20	1.29	1.29	1.29	1.29	1.29
	-17.8	-18	1.38	1.38	1.38	1.38	1.38
	-15.7	-16	1.46	1.46	1.46	1.46	1.46
	-13.7	-14	1.54	1.54	1.54	1.54	1.54
	-11.7	-12	1.63	1.63	1.63	1.63	1.63
	-9.6	-10	1.71	1.71	1.71	1.71	1.71
	-7.5	-8	1.81	1.81	1.81	1.81	1.81
	-5.5	-6	1.92	1.92	1.92	1.92	1.92
	-3.4	-4	1.98	1.98	1.98	1.96	1.94
	-1.3	-2	2.05	2.05	2.04	2.00	1.96
	0.8	0	2.16	2.13	2.10	2.03	1.95
	3.9	3	2.35	2.26	2.18	2.06	1.93
	7.0	6	2.56	2.40	2.23	2.07	1.92
	10.1	9	2.55	2.38	2.22	2.06	1.90
	13.2	12	2.53	2.37	2.21	2.05	1.88
	16.9	15.5	2.51	2.35	2.19	2.03	1.86

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJA003Z398

Model FDTC28KXE6F Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi 12 (m³/min)	10			2.30	2.16	2.74	2.43	2.97	2.49	3.16	2.51	3.54	2.71	3.67	2.65
	12			2.30	2.16	2.74	2.43	2.97	2.49	3.15	2.51	3.52	2.70	3.66	2.65
	14			2.30	2.16	2.74	2.43	2.97	2.49	3.15	2.51	3.51	2.70	3.64	2.65
	16			2.30	2.16	2.74	2.43	2.97	2.49	3.14	2.51	3.50	2.70	3.63	2.64
	18			2.30	2.16	2.74	2.43	2.97	2.49	3.14	2.51	3.49	2.70	3.61	2.64
	20			2.30	2.16	2.74	2.43	2.97	2.49	3.14	2.51	3.47	2.69	3.59	2.63
	22			2.29	2.16	2.74	2.43	2.97	2.49	3.12	2.49	3.43	2.68	3.54	2.62
	24			2.29	2.16	2.74	2.43	2.97	2.49	3.11	2.49	3.39	2.67	3.50	2.61
	26			2.29	2.16	2.73	2.43	2.94	2.47	3.07	2.48	3.33	2.65	3.44	2.59
	28	2.07	1.99	2.28	2.16	2.72	2.42	2.91	2.46	3.03	2.47	3.28	2.63	3.39	2.57
	30	2.07	1.99	2.28	2.16	2.70	2.41	2.88	2.45	3.00	2.45	3.23	2.61	3.34	2.55
	32	2.07	1.99	2.27	2.15	2.67	2.40	2.86	2.45	2.96	2.44	3.18	2.59	3.29	2.54
	34	2.07	1.99	2.27	2.15	2.66	2.40	2.82	2.41	2.92	2.40	3.11	2.57	3.22	2.52
	35	2.07	1.99	2.26	2.15	2.66	2.40	2.80	2.41	2.89	2.40	3.08	2.56	3.18	2.51
	36	2.07	1.99	2.26	2.15	2.64	2.39	2.79	2.40	2.86	2.39	3.02	2.54	3.12	2.49
	38	2.07	1.99	2.25	2.15	2.60	2.38	2.76	2.39	2.81	2.37	2.91	2.50	3.00	2.45
	39	2.07	1.99	2.25	2.15	2.58	2.37	2.74	2.39	2.78	2.36	2.86	2.49	2.94	2.43
	41	2.07	1.99	2.24	2.14	2.50	2.35	2.63	2.35	2.66	2.32	2.73	2.44	2.80	2.38
	43	2.07	1.99	2.24	2.14	2.43	2.32	2.52	2.32	2.55	2.29	2.60	2.40	2.66	2.35

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 12 (m³/min)	-19.8	-20	1.86	1.86	1.86	1.86	1.86
	-17.8	-18	1.98	1.98	1.98	1.98	1.98
	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
	-5.5	-6	2.75	2.75	2.75	2.75	2.75
	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi 9.5 (m³/min)	10			2.21	1.92	2.65	2.17	2.86	2.20	3.04	2.24	3.41	2.42	3.54	2.36
	12			2.21	1.92	2.65	2.17	2.86	2.20	3.04	2.24	3.40	2.42	3.53	2.36
	14			2.21	1.92	2.65	2.17	2.86	2.20	3.04	2.24	3.39	2.42	3.51	2.34
	16			2.21	1.92	2.65	2.17	2.86	2.20	3.03	2.23	3.37	2.40	3.50	2.34
	18			2.21	1.92	2.65	2.17	2.86	2.20	3.03	2.23	3.36	2.40	3.48	2.33
	20			2.21	1.92	2.65	2.17	2.86	2.20	3.02	2.23	3.35	2.40	3.47	2.33
	22			2.21	1.92	2.64	2.17	2.86	2.20	3.01	2.23	3.31	2.37	3.42	2.31
	24			2.21	1.92	2.64	2.17	2.86	2.20	3.00	2.21	3.26	2.36	3.37	2.30
	26			2.21	1.92	2.63	2.16	2.84	2.20	2.96	2.20	3.21	2.34	3.32	2.29
	28	2.00	1.90	2.20	1.92	2.62	2.16	2.81	2.19	2.93	2.19	3.16	2.33	3.27	2.28
	30	2.00	1.90	2.20	1.92	2.60	2.15	2.78	2.18	2.89	2.17	3.11	2.31	3.22	2.26
	32	2.00	1.90	2.19	1.91	2.58	2.14	2.75	2.17	2.86	2.16	3.07	2.29	3.17	2.24
	34	2.00	1.90	2.19	1.91	2.57	2.14	2.72	2.16	2.81	2.15	3.00	2.27	3.10	2.22
	35	2.00	1.90	2.18	1.90	2.57	2.14	2.70	2.15	2.79	2.14	2.97	2.26	3.07	2.20
	36	2.00	1.90	2.18	1.90	2.55	2.13	2.69	2.14	2.76	2.13	2.91	2.24	3.01	2.19
	38	2.00	1.90	2.17	1.90	2.51	2.11	2.66	2.13	2.71	2.11	2.81	2.20	2.89	2.15
	39	2.00	1.90	2.17	1.90	2.49	2.11	2.65	2.13	2.68	2.09	2.75	2.18	2.83	2.13
	41	2.00	1.90	2.16	1.90	2.41	2.07	2.54	2.09	2.57	2.05	2.63	2.14	2.70	2.09
	43	2.00	1.90	2.16	1.90	2.34	2.04	2.43	2.04	2.46	2.01	2.51	2.10	2.57	2.03

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 9.5 (m³/min)	-19.8	-20	1.77	1.77	1.77	1.77	1.77
	-17.8	-18	1.89	1.89	1.89	1.89	1.89
	-15.7	-16	2.00	2.00	2.00	2.00	2.00
	-13.7	-14	2.12	2.12	2.12	2.12	2.12
	-11.7	-12	2.23	2.23	2.23	2.23	2.23
	-9.6	-10	2.35	2.35	2.35	2.35	2.35
	-7.5	-8	2.49	2.49	2.49	2.49	2.49
	-5.5	-6	2.63	2.63	2.63	2.63	2.63
	-3.4	-4	2.72	2.72	2.72	2.69	2.66
	-1.3	-2	2.82	2.81	2.80	2.75	2.69
	0.8	0	2.97	2.93	2.88	2.78	2.68
	3.9	3	3.22	3.11	2.99	2.82	2.65
	7.0	6	3.52	3.29	3.06	2.85	2.63
	10.1	9	3.50	3.27	3.05	2.83	2.61
	13.2	12	3.47	3.25	3.03	2.81	2.59
	16.9	15.5	3.45	3.22	3.00	2.78	2.56

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me 8.5 (m³/min)	10			2.16	1.81	2.59	2.05	2.80	2.08	2.98	2.12	3.34	2.29	3.46	2.23
	12			2.16	1.81	2.59	2.05	2.80	2.08	2.97	2.11	3.32	2.28	3.45	2.23
	14			2.16	1.81	2.59	2.05	2.80	2.08	2.97	2.11	3.31	2.28	3.43	2.22
	16			2.16	1.81	2.59	2.05	2.80	2.08	2.97	2.11	3.30	2.27	3.42	2.21
	18			2.16	1.81	2.59	2.05	2.80	2.08	2.96	2.11	3.29	2.27	3.40	2.21
	20			2.16	1.81	2.59	2.05	2.80	2.08	2.96	2.11	3.27	2.26	3.39	2.20
	22			2.16	1.81	2.59	2.05	2.80	2.08	2.94	2.10	3.23	2.24	3.34	2.19
	24			2.16	1.81	2.58	2.04	2.80	2.08	2.93	2.10	3.19	2.23	3.30	2.16
	26			2.16	1.81	2.57	2.04	2.77	2.07	2.90	2.09	3.14	2.21	3.25	2.15
	28	1.95	1.78	2.15	1.80	2.56	2.03	2.75	2.06	2.86	2.06	3.09	2.18	3.19	2.13
	30	1.95	1.78	2.15	1.80	2.54	2.02	2.72	2.05	2.83	2.05	3.04	2.17	3.15	2.12
	32	1.95	1.78	2.14	1.80	2.52	2.02	2.69	2.04	2.79	2.04	3.00	2.16	3.10	2.11
	34	1.95	1.78	2.14	1.80	2.51	2.01	2.66	2.03	2.75	2.02	2.93	2.14	3.03	2.08
	35	1.95	1.78	2.13	1.79	2.51	2.01	2.64	2.03	2.73	2.02	2.90	2.12	3.00	2.07
	36	1.95	1.78	2.13	1.79	2.49	2.00	2.63	2.02	2.70	2.01	2.85	2.11	2.94	2.05
	38	1.95	1.78	2.13	1.79	2.45	1.99	2.60	2.01	2.65	1.99	2.75	2.07	2.83	2.02
	39	1.95	1.78	2.12	1.79	2.43	1.98	2.59	2.00	2.62	1.97	2.69	2.05	2.77	2.00
	41	1.95	1.78	2.12	1.79	2.36	1.95	2.48	1.96	2.51	1.93	2.57	2.00	2.64	1.95
	43	1.95	1.78	2.11	1.79	2.29	1.92	2.38	1.92	2.40	1.89	2.45	1.96	2.51	1.91

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 8.5 (m³/min)	-19.8	-20	1.72	1.72	1.72	1.72	1.72
	-17.8	-18	1.83	1.83	1.83	1.83	1.83
	-15.7	-16	1.94	1.94	1.94	1.94	1.94
	-13.7	-14	2.06	2.06	2.06	2.06	2.06
	-11.7	-12	2.17	2.17	2.17	2.17	2.17
	-9.6	-10	2.28	2.28	2.28	2.28	2.28
	-7.5	-8	2.42	2.42	2.42	2.42	2.42
	-5.5	-6	2.55	2.55	2.55	2.55	2.55
	-3.4	-4	2.64	2.64	2.64	2.61	2.58
	-1.3	-2	2.73	2.72	2.72	2.67	2.61
	0.8	0	2.88	2.84	2.80	2.70	2.60
	3.9	3	3.13	3.01	2.90	2.74	2.58
	7.0	6	3.42	3.19	2.97	2.76	2.55
	10.1	9	3.39	3.18	2.96	2.75	2.53
	13.2	12	3.37	3.16	2.94	2.72	2.51
	16.9	15.5	3.34	3.13	2.91	2.70	2.48

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo 7 (m³/min)	10			2.09	1.64	2.50	1.85	2.70	1.90	2.88	1.93	3.22	2.08	3.34	2.01
	12			2.09	1.64	2.50	1.85	2.70	1.90	2.87	1.92	3.21	2.08	3.33	2.01
	14			2.09	1.64	2.50	1.85	2.70	1.90	2.87	1.92	3.20	2.07	3.32	2.01
	16			2.09	1.64	2.50	1.85	2.70	1.90	2.86	1.92	3.19	2.07	3.30	2.00
	18			2.09	1.64	2.50	1.85	2.70	1.90	2.86	1.92	3.17	2.06	3.29	2.00
	20			2.09	1.64	2.50	1.85	2.70	1.90	2.86	1.92	3.16	2.05	3.27	1.99
	22			2.09	1.64	2.50	1.85	2.70	1.90	2.84	1.91	3.12	2.03	3.23	1.98
	24			2.08	1.63	2.50	1.85	2.70	1.90	2.83	1.91	3.08	2.02	3.18	1.96
	26			2.08	1.63	2.49	1.85	2.68	1.89	2.80	1.90	3.03	2.00	3.13	1.95
	28	1.89	1.61	2.08	1.63	2.47	1.84	2.65	1.88	2.76	1.88	2.99	1.99	3.09	1.93
	30	1.89	1.61	2.08	1.63	2.45	1.83	2.63	1.87	2.73	1.87	2.94	1.97	3.04	1.91
	32	1.89	1.61	2.07	1.63	2.44	1.83	2.60	1.86	2.70	1.85	2.89	1.95	2.99	1.89
	34	1.89	1.61	2.06	1.62	2.43	1.82	2.57	1.84	2.66	1.84	2.83	1.92	2.93	1.87
	35	1.89	1.61	2.06	1.62	2.42	1.81	2.55	1.83	2.63	1.82	2.80	1.91	2.90	1.87
	36	1.89	1.61	2.06	1.62	2.40	1.80	2.54	1.83	2.61	1.82	2.75	1.90	2.84	1.83
	38	1.89	1.61	2.05	1.62	2.37	1.79	2.51	1.82	2.56	1.80	2.65	1.85	2.73	1.80
	39	1.89	1.61	2.05	1.62	2.35	1.79	2.50	1.81	2.53	1.78	2.60	1.83	2.68	1.79
	41	1.89	1.61	2.04	1.61	2.28	1.76	2.40	1.77	2.43	1.74	2.49	1.80	2.55	1.74
	43	1.89	1.61	2.04	1.61	2.21	1.73	2.30	1.73	2.32	1.70	2.37	1.75	2.42	1.70

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 8 (m³/min)	-19.8	-20	1.66	1.66	1.66	1.66	1.66
	-17.8	-18	1.77	1.77	1.77	1.77	1.77
	-15.7	-16	1.87	1.87	1.87	1.87	1.87
	-13.7	-14	1.98	1.98	1.98	1.98	1.98
	-11.7	-12	2.09	2.09	2.09	2.09	2.09
	-9.6	-10	2.19	2.19	2.19	2.19	2.19
	-7.5	-8	2.33	2.33	2.33	2.33	2.33
	-5.5	-6	2.46	2.46	2.46	2.46	2.46
	-3.4	-4	2.55	2.54	2.54	2.51	2.49
	-1.3	-2	2.63	2.62	2.62	2.57	2.52
	0.8	0	2.77	2.73	2.70	2.60	2.50
	3.9	3	3.01	2.90	2.80	2.64	2.48
	7.0	6	3.29	3.07	2.86	2.66	2.46
	10.1	9	3.27	3.06	2.85	2.64	2.44
	13.2	12	3.25	3.04	2.83	2.62	2.42
	16.9	15.5	3.22	3.01	2.81	2.60	2.39

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJA003Z398

Model **FDTC36KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi 13 (m³/min)	10			2.95	2.83	3.53	3.24	3.82	3.29	4.06	3.32	4.55	3.59	4.72	3.51
	12			2.95	2.83	3.53	3.24	3.82	3.29	4.05	3.32	4.53	3.59	4.70	3.51
	14			2.95	2.83	3.53	3.24	3.82	3.29	4.05	3.32	4.51	3.58	4.68	3.50
	16			2.95	2.83	3.53	3.24	3.82	3.29	4.04	3.31	4.50	3.58	4.66	3.50
	18			2.95	2.83	3.53	3.24	3.82	3.29	4.04	3.31	4.48	3.57	4.64	3.49
	20			2.95	2.83	3.53	3.24	3.82	3.29	4.03	3.31	4.47	3.56	4.62	3.48
	22			2.95	2.83	3.53	3.24	3.82	3.29	4.01	3.30	4.41	3.54	4.56	3.46
	24			2.94	2.82	3.52	3.23	3.82	3.29	3.99	3.30	4.35	3.53	4.49	3.44
	26			2.94	2.82	3.51	3.23	3.78	3.27	3.95	3.28	4.28	3.50	4.43	3.43
	28	2.66	2.55	2.94	2.82	3.49	3.22	3.74	3.26	3.90	3.26	4.22	3.48	4.36	3.41
	30	2.66	2.55	2.93	2.81	3.47	3.21	3.71	3.25	3.86	3.24	4.15	3.46	4.29	3.38
	32	2.66	2.55	2.92	2.80	3.44	3.20	3.67	3.23	3.81	3.23	4.09	3.44	4.23	3.37
	34	2.66	2.55	2.91	2.79	3.43	3.20	3.62	3.21	3.75	3.20	4.00	3.41	4.14	3.34
	35	2.66	2.55	2.91	2.79	3.42	3.20	3.60	3.21	3.72	3.19	3.96	3.40	4.09	3.32
	36	2.66	2.55	2.91	2.79	3.39	3.18	3.58	3.20	3.68	3.18	3.89	3.38	4.02	3.30
	38	2.66	2.55	2.90	2.78	3.34	3.16	3.55	3.19	3.61	3.15	3.74	3.33	3.86	3.26
	39	2.66	2.55	2.89	2.77	3.32	3.16	3.53	3.18	3.58	3.14	3.67	3.30	3.78	3.23
	41	2.66	2.55	2.88	2.76	3.22	3.09	3.38	3.13	3.43	3.09	3.51	3.25	3.60	3.17
	43	2.66	2.55	2.87	2.76	3.12	3.00	3.24	3.07	3.28	3.03	3.35	3.20	3.42	3.12

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 13 (m³/min)	-19.8	-20	2.32	2.32	2.32	2.32	2.32
	-17.8	-18	2.47	2.47	2.47	2.47	2.47
	-15.7	-16	2.62	2.62	2.62	2.62	2.62
	-13.7	-14	2.77	2.77	2.77	2.77	2.77
	-11.7	-12	2.92	2.92	2.92	2.92	2.92
	-9.6	-10	3.07	3.07	3.07	3.07	3.07
	-7.5	-8	3.25	3.25	3.25	3.25	3.25
	-5.5	-6	3.44	3.44	3.44	3.44	3.44
	-3.4	-4	3.56	3.56	3.55	3.52	3.48
	-1.3	-2	3.68	3.67	3.66	3.59	3.52
	0.8	0	3.88	3.83	3.77	3.64	3.50
	3.9	3	4.21	4.06	3.91	3.69	3.47
	7.0	6	4.60	4.30	4.00	3.72	3.44
	10.1	9	4.57	4.28	3.99	3.70	3.41
	13.2	12	4.54	4.25	3.96	3.67	3.38
	16.9	15.5	4.51	4.22	3.93	3.64	3.35

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi 10 (m³/min)	10			2.85	2.47	3.41	2.79	3.69	2.84	3.92	2.87	4.40	3.10	4.56	3.02
	12			2.85	2.47	3.41	2.79	3.69	2.84	3.92	2.87	4.38	3.09	4.54	3.02
	14			2.85	2.47	3.41	2.79	3.69	2.84	3.91	2.87	4.36	3.08	4.53	3.01
	16			2.85	2.47	3.41	2.79	3.69	2.84	3.91	2.87	4.35	3.08	4.51	3.01
	18			2.85	2.47	3.41	2.79	3.69	2.84	3.90	2.86	4.33	3.07	4.49	3.00
	20			2.85	2.47	3.41	2.79	3.69	2.84	3.90	2.86	4.32	3.07	4.47	2.99
	22			2.85	2.47	3.41	2.79	3.69	2.84	3.88	2.86	4.26	3.05	4.41	2.97
	24			2.84	2.46	3.41	2.79	3.69	2.84	3.86	2.85	4.21	3.03	4.34	2.95
	26			2.84	2.46	3.39	2.78	3.65	2.83	3.82	2.83	4.14	3.01	4.28	2.93
	28	2.58	2.44	2.84	2.46	3.38	2.77	3.62	2.81	3.77	2.82	4.07	2.98	4.21	2.91
	30	2.58	2.44	2.83	2.46	3.35	2.76	3.58	2.80	3.73	2.80	4.01	2.96	4.15	2.89
	32	2.58	2.44	2.83	2.46	3.32	2.75	3.55	2.78	3.68	2.78	3.95	2.94	4.08	2.87
	34	2.58	2.44	2.82	2.45	3.31	2.74	3.50	2.77	3.62	2.75	3.87	2.91	4.00	2.84
	35	2.58	2.44	2.81	2.45	3.31	2.74	3.48	2.76	3.60	2.75	3.83	2.90	3.96	2.83
	36	2.58	2.44	2.81	2.45	3.28	2.73	3.46	2.75	3.56	2.73	3.76	2.88	3.88	2.81
	38	2.58	2.44	2.80	2.44	3.23	2.71	3.43	2.74	3.49	2.71	3.62	2.83	3.73	2.76
	39	2.58	2.44	2.80	2.44	3.21	2.71	3.41	2.73	3.46	2.70	3.55	2.81	3.65	2.74
	41	2.58	2.44	2.79	2.44	3.11	2.66	3.27	2.68	3.31	2.64	3.39	2.75	3.48	2.68
	43	2.58	2.44	2.78	2.44	3.01	2.62	3.13	2.62	3.17	2.58	3.24	2.70	3.31	2.63

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 10 (m³/min)	-19.8	-20	2.22	2.22	2.22	2.22	2.22
	-17.8	-18	2.36	2.36	2.36	2.36	2.36
	-15.7	-16	2.50	2.50	2.50	2.50	2.50
	-13.7	-14	2.64	2.64	2.64	2.64	2.64
	-11.7	-12	2.79	2.79	2.79	2.79	2.79
	-9.6	-10	2.93	2.93	2.93	2.93	2.93
	-7.5	-8	3.11	3.11	3.11	3.11	3.11
	-5.5	-6	3.29	3.29	3.29	3.29	3.29
	-3.4	-4	3.40	3.40	3.39	3.36	3.32
	-1.3	-2	3.51	3.50	3.50	3.43	3.36
	0.8	0	3.71	3.65	3.60	3.47	3.34
	3.9	3	4.02	3.88	3.73	3.52	3.31
	7.0	6	4.39	4.11	3.82	3.55	3.29
	10.1	9	4.36	4.09	3.81	3.53	3.26
	13.2	12	4.34	4.06	3.78	3.50	3.23
	16.9	15.5	4.30	4.03	3.75	3.47	3.19

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me 9 (m³/min)	10			2.74	2.31	3.27	2.60	3.54	2.66	3.77	2.70	4.22	2.91	4.38	2.84
	12			2.74	2.31	3.27	2.60	3.54	2.66	3.76	2.69	4.20	2.90	4.36	2.83
	14			2.74	2.31	3.27	2.60	3.54	2.66	3.76	2.69	4.19	2.90	4.34	2.82
	16			2.74	2.31	3.27	2.60	3.54	2.66	3.75	2.69	4.17	2.89	4.32	2.82
	18			2.74	2.31	3.27	2.60	3.54	2.66	3.75	2.69	4.16	2.89	4.31	2.81
	20			2.74	2.31	3.27	2.60	3.54	2.66	3.74	2.68	4.14	2.88	4.29	2.81
	22			2.73	2.30	3.27	2.60	3.54	2.66	3.72	2.68	4.09	2.86	4.23	2.79
	24			2.73	2.30	3.27	2.60	3.54	2.66	3.71	2.67	4.04	2.84	4.17	2.77
	26			2.73	2.30	3.26	2.60	3.51	2.65	3.66	2.65	3.97	2.82	4.11	2.75
	28	2.47	2.27	2.73	2.30	3.24	2.59	3.47	2.63	3.62	2.63	3.91	2.80	4.04	2.72
	30	2.47	2.27	2.72	2.30	3.21	2.58	3.44	2.62	3.58	2.62	3.85	2.77	3.98	2.70
	32	2.47	2.27	2.71	2.30	3.19	2.57	3.41	2.61	3.54	2.60	3.79	2.75	3.92	2.68
	34	2.47	2.27	2.70	2.29	3.18	2.56	3.36	2.59	3.48	2.58	3.71	2.72	3.84	2.65
	35	2.47	2.27	2.70	2.29	3.17	2.56	3.34	2.58	3.45	2.57	3.67	2.71	3.80	2.64
	36	2.47	2.27	2.70	2.29	3.15	2.55	3.32	2.57	3.42	2.56	3.61	2.69	3.73	2.62
	38	2.47	2.27	2.69	2.28	3.10	2.53	3.29	2.56	3.35	2.53	3.47	2.64	3.58	2.57
	39	2.47	2.27	2.69	2.28	3.08	2.52	3.27	2.55	3.32	2.51	3.41	2.61	3.50	2.54
	41	2.47	2.27	2.68	2.28	2.99	2.48	3.14	2.49	3.18	2.45	3.26	2.56	3.34	2.49
	43	2.47	2.27	2.67	2.27	2.89	2.44	3.01	2.44	3.04	2.40	3.11	2.51	3.18	2.44

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 9 (m³/min)	-19.8	-20	2.13	2.13	2.13	2.13	2.13
	-17.8	-18	2.27	2.27	2.27	2.27	2.27
	-15.7	-16	2.40	2.40	2.40	2.40	2.40
	-13.7	-14	2.54	2.54	2.54	2.54	2.54
	-11.7	-12	2.68	2.68	2.68	2.68	2.68
	-9.6	-10	2.81	2.81	2.81	2.81	2.81
	-7.5	-8	2.98	2.98	2.98	2.98	2.98
	-5.5	-6	3.16	3.16	3.16	3.16	3.16
	-3.4	-4	3.27	3.26	3.26	3.23	3.19
	-1.3	-2	3.38	3.37	3.36	3.29	3.23
	0.8	0	3.56	3.51	3.46	3.34	3.21
	3.9	3	3.86	3.73	3.59	3.39	3.18
	7.0	6	4.22	3.95	3.67	3.41	3.16
	10.1	9	4.19	3.92	3.66	3.39	3.13
	13.2	12	4.17	3.90	3.63	3.37	3.10
	16.9	15.5	4.13	3.87	3.60	3.34	3.07

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo 7 (m³/min)	10			2.51	1.96	3.00	2.22	3.24	2.27	3.45	2.31	3.87	2.49	4.01	2.42
	12			2.51	1.96	3.00	2.22	3.24	2.27	3.45	2.31	3.85	2.48	4.00	2.42
	14			2.51	1.96	3.00	2.22	3.24	2.27	3.44	2.30	3.84	2.48	3.98	2.41
	16			2.51	1.96	3.00	2.22	3.24	2.27	3.44	2.30	3.82	2.47	3.96	2.41
	18			2.51	1.96	3.00	2.22	3.24	2.27	3.43	2.30	3.81	2.47	3.94	2.39
	20			2.51	1.96	3.00	2.22	3.24	2.27	3.43	2.30	3.80	2.46	3.93	2.38
	22			2.50	1.96	3.00	2.22	3.24	2.27	3.41	2.29	3.75	2.45	3.87	2.36
	24			2.50	1.96	3.00	2.22	3.24	2.27	3.40	2.29	3.70	2.42	3.82	2.35
	26			2.50	1.96	2.98	2.21	3.21	2.26	3.36	2.27	3.64	2.39	3.76	2.32
	28	2.26	1.93	2.50	1.96	2.97	2.21	3.18	2.25	3.32	2.25	3.58	2.37	3.70	2.30
	30	2.26	1.93	2.49	1.95	2.95	2.20	3.15	2.24	3.28	2.24	3.53	2.35	3.65	2.29
	32	2.26	1.93	2.48	1.95	2.92	2.19	3.12	2.22	3.24	2.22	3.47	2.33	3.59	2.27
	34	2.26	1.93	2.48	1.95	2.91	2.18	3.08	2.20	3.19	2.20	3.40	2.30	3.52	2.24
	35	2.26	1.93	2.47	1.95	2.91	2.18	3.06	2.20	3.16	2.19	3.36	2.29	3.48	2.23
	36	2.26	1.93	2.47	1.95	2.89	2.17	3.04	2.19	3.13	2.17	3.30	2.27	3.41	2.21
	38	2.26	1.93	2.46	1.94	2.84	2.15	3.01	2.18	3.07	2.15	3.18	2.22	3.28	2.16
	39	2.26	1.93	2.46	1.94	2.82	2.14	3.00	2.17	3.04	2.14	3.12	2.20	3.21	2.14
	41	2.26	1.93	2.45	1.94	2.73	2.10	2.88	2.12	2.91	2.09	2.98	2.15	3.06	2.09
	43	2.26	1.93	2.44	1.93	2.65	2.07	2.75	2.07	2.78	2.03	2.84	2.10	2.91	2.04

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 8 (m³/min)	-19.8	-20	1.93	1.93	1.93	1.93	1.93
	-17.8	-18	2.06	2.06	2.06	2.06	2.06
	-15.7	-16	2.18	2.18	2.18	2.18	2.18
	-13.7	-14	2.30	2.30	2.30	2.30	2.30
	-11.7	-12	2.43	2.43	2.43	2.43	2.43
	-9.6	-10	2.55	2.55	2.55	2.55	2.55
	-7.5	-8	2.71	2.71	2.71	2.71	2.71
	-5.5	-6	2.86	2.86	2.86	2.86	2.86
	-3.4	-4	2.96	2.96	2.96	2.93	2.90
	-1.3	-2	3.06	3.06	3.05	2.99	2.93
	0.8	0	3.23	3.18	3.14	3.03	2.91
	3.9	3	3.50	3.38	3.26	3.07	2.89
	7.0	6	3.83	3.58	3.33	3.10	2.86
	10.1	9	3.80	3.56	3.32	3.08	2.84
	13.2	12	3.78	3.54	3.30	3.06	2.81
	16.9	15.5	3.75	3.51	3.27	3.03	2.78

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJA003Z398

Model FDTC45KXE6F Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
P-Hi 15 (m³/min)	10			3.69	3.41	4.41	3.85	4.77	3.92	5.07	3.95	5.68	4.28	5.90	4.19
	12			3.69	3.41	4.41	3.85	4.77	3.92	5.07	3.95	5.66	4.27	5.88	4.18
	14			3.69	3.41	4.41	3.85	4.77	3.92	5.06	3.95	5.64	4.27	5.85	4.17
	16			3.69	3.41	4.41	3.85	4.77	3.92	5.05	3.94	5.62	4.26	5.83	4.17
	18			3.69	3.41	4.41	3.85	4.77	3.92	5.05	3.94	5.60	4.25	5.80	4.16
	20			3.69	3.41	4.41	3.85	4.77	3.92	5.04	3.94	5.58	4.25	5.78	4.15
	22			3.68	3.40	4.41	3.85	4.77	3.92	5.02	3.93	5.51	4.22	5.70	4.12
	24			3.68	3.40	4.41	3.85	4.77	3.92	4.99	3.92	5.44	4.20	5.62	4.09
	26			3.68	3.40	4.39	3.84	4.73	3.90	4.93	3.90	5.35	4.16	5.53	4.07
	28	3.33	3.20	3.67	3.40	4.37	3.83	4.68	3.88	4.88	3.88	5.27	4.14	5.44	4.04
	30	3.33	3.20	3.66	3.40	4.33	3.81	4.64	3.87	4.82	3.86	5.19	4.11	5.36	4.02
	32	3.33	3.20	3.65	3.39	4.30	3.80	4.59	3.84	4.76	3.84	5.11	4.08	5.28	3.96
	34	3.33	3.20	3.64	3.39	4.28	3.79	4.53	3.82	4.69	3.81	5.00	4.02	5.17	3.93
	35	3.33	3.20	3.64	3.39	4.28	3.79	4.50	3.81	4.65	3.79	4.95	4.01	5.12	3.92
	36	3.33	3.20	3.63	3.38	4.24	3.78	4.48	3.80	4.60	3.77	4.86	3.98	5.02	3.89
	38	3.33	3.20	3.62	3.38	4.18	3.76	4.43	3.78	4.52	3.75	4.68	3.92	4.82	3.83
	39	3.33	3.20	3.62	3.38	4.15	3.75	4.41	3.78	4.47	3.73	4.59	3.89	4.72	3.80
	41	3.33	3.20	3.61	3.38	4.02	3.69	4.23	3.71	4.28	3.66	4.39	3.82	4.50	3.73
	43	3.33	3.20	3.59	3.37	3.90	3.64	4.05	3.64	4.09	3.59	4.18	3.76	4.28	3.67

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 15 (m³/min)	-19.8	-20	2.90	2.90	2.90	2.90	2.90
	-17.8	-18	3.09	3.09	3.09	3.09	3.09
	-15.7	-16	3.27	3.27	3.27	3.27	3.27
	-13.7	-14	3.46	3.46	3.46	3.46	3.46
	-11.7	-12	3.65	3.65	3.65	3.65	3.65
	-9.6	-10	3.83	3.83	3.83	3.83	3.83
	-7.5	-8	4.07	4.07	4.07	4.07	4.07
	-5.5	-6	4.30	4.30	4.30	4.30	4.30
	-3.4	-4	4.45	4.44	4.44	4.39	4.35
	-1.3	-2	4.60	4.59	4.58	4.49	4.40
	0.8	0	4.85	4.78	4.71	4.54	4.38
	3.9	3	5.26	5.08	4.89	4.61	4.34
	7.0	6	5.75	5.38	5.00	4.65	4.30
	10.1	9	5.71	5.35	4.98	4.62	4.26
	13.2	12	5.68	5.31	4.95	4.59	4.23
	16.9	15.5	5.63	5.27	4.91	4.54	4.18

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Hi 11 (m³/min)	10			3.61	2.91	4.31	3.29	4.66	3.36	4.96	3.40	5.56	3.68	5.77	3.58
	12			3.61	2.91	4.31	3.29	4.66	3.36	4.96	3.40	5.54	3.67	5.75	3.58
	14			3.61	2.91	4.31	3.29	4.66	3.36	4.95	3.39	5.52	3.66	5.72	3.57
	16			3.61	2.91	4.31	3.29	4.66	3.36	4.94	3.39	5.50	3.66	5.70	3.55
	18			3.61	2.91	4.31	3.29	4.66	3.36	4.94	3.39	5.48	3.65	5.67	3.54
	20			3.61	2.91	4.31	3.29	4.66	3.36	4.93	3.39	5.46	3.64	5.65	3.54
	22			3.60	2.90	4.31	3.29	4.66	3.36	4.91	3.38	5.39	3.61	5.57	3.51
	24			3.60	2.90	4.31	3.29	4.66	3.36	4.88	3.37	5.32	3.59	5.49	3.48
	26			3.59	2.90	4.29	3.28	4.62	3.34	4.83	3.35	5.24	3.56	5.41	3.45
	28	3.26	2.86	3.59	2.90	4.27	3.27	4.58	3.32	4.77	3.32	5.15	3.52	5.32	3.42
	30	3.26	2.86	3.58	2.89	4.24	3.26	4.53	3.30	4.71	3.30	5.07	3.49	5.24	3.40
	32	3.26	2.86	3.57	2.89	4.20	3.24	4.49	3.29	4.66	3.28	4.99	3.46	5.16	3.36
	34	3.26	2.86	3.56	2.89	4.19	3.23	4.43	3.26	4.58	3.25	4.89	3.42	5.06	3.33
	35	3.26	2.86	3.56	2.89	4.18	3.23	4.40	3.25	4.55	3.24	4.84	3.40	5.00	3.31
	36	3.26	2.86	3.55	2.88	4.15	3.21	4.38	3.24	4.50	3.22	4.75	3.37	4.91	3.29
	38	3.26	2.86	3.54	2.88	4.09	3.19	4.33	3.22	4.41	3.19	4.58	3.31	4.71	3.21
	39	3.26	2.86	3.54	2.88	4.05	3.17	4.31	3.22	4.37	3.17	4.49	3.27	4.62	3.19
	41	3.26	2.86	3.53	2.87	3.93	3.13	4.14	3.14	4.19	3.10	4.29	3.21	4.40	3.10
	43	3.26	2.86	3.51	2.86	3.81	3.07	3.96	3.07	4.00	3.02	4.09	3.12	4.18	3.03

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 11 (m³/min)	-19.8	-20	2.84	2.84	2.84	2.84	2.84
	-17.8	-18	3.02	3.02	3.02	3.02	3.02
	-15.7	-16	3.21	3.21	3.21	3.21	3.21
	-13.7	-14	3.39	3.39	3.39	3.39	3.39
	-11.7	-12	3.57	3.57	3.57	3.57	3.57
	-9.6	-10	3.76	3.76	3.76	3.76	3.76
	-7.5	-8	3.99	3.99	3.99	3.99	3.99
	-5.5	-6	4.21	4.21	4.21	4.21	4.21
	-3.4	-4	4.36	4.35	4.35	4.31	4.26
	-1.3	-2	4.51	4.50	4.48	4.40	4.31
	0.8	0	4.75	4.69	4.62	4.45	4.29
	3.9	3	5.16	4.97	4.79	4.52	4.25
	7.0	6	5.64	5.27	4.90	4.56	4.21
	10.1	9	5.60	5.24	4.88	4.53	4.18
	13.2	12	5.56	5.21	4.85	4.50	4.14
	16.9	15.5	5.52	5.16	4.81	4.45	4.10

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Me 9 (m³/min)	10			3.45	2.61	4.13	2.97	4.46	3.04	4.75	3.09	5.32	3.33	5.52	3.24
	12			3.45	2.61	4.13	2.97	4.46	3.04	4.74	3.08	5.30	3.33	5.50	3.23
	14			3.45	2.61	4.13	2.97	4.46	3.04	4.74	3.08	5.28	3.32	5.47	3.22
	16			3.45	2.61	4.13	2.97	4.46	3.04	4.73	3.08	5.26	3.31	5.45	3.21
	18			3.45	2.61	4.13	2.97	4.46	3.04	4.72	3.07	5.24	3.30	5.43	3.20
	20			3.45	2.61	4.13	2.97	4.46	3.04	4.72	3.07	5.22	3.29	5.40	3.19
	22			3.45	2.61	4.12	2.96	4.46	3.04	4.69	3.06	5.16	3.27	5.33	3.17
	24			3.44	2.60	4.12	2.96	4.46	3.04	4.67	3.05	5.09	3.24	5.26	3.14
	26			3.44	2.60	4.10	2.95	4.42	3.02	4.62	3.03	5.01	3.20	5.17	3.11
	28	3.12	2.57	3.44	2.60	4.08	2.95	4.38	3.01	4.56	3.01	4.93	3.17	5.09	3.08
	30	3.12	2.57	3.43	2.60	4.05	2.93	4.34	2.99	4.51	2.99	4.85	3.14	5.02	3.05
	32	3.12	2.57	3.42	2.60	4.02	2.92	4.29	2.97	4.46	2.97	4.78	3.11	4.94	3.02
	34	3.12	2.57	3.41	2.59	4.01	2.91	4.24	2.94	4.38	2.93	4.68	3.07	4.84	2.99
	35	3.12	2.57	3.40	2.59	4.00	2.91	4.21	2.93	4.35	2.92	4.63	3.06	4.79	2.97
	36	3.12	2.57	3.40	2.59	3.97	2.89	4.19	2.92	4.31	2.90	4.54	3.02	4.70	2.94
	38	3.12	2.57	3.39	2.58	3.91	2.87	4.15	2.91	4.22	2.87	4.38	2.96	4.51	2.87
	39	3.12	2.57	3.38	2.58	3.88	2.86	4.13	2.90	4.18	2.85	4.30	2.93	4.42	2.84
	41	3.12	2.57	3.37	2.57	3.76	2.80	3.96	2.82	4.01	2.78	4.10	2.85	4.21	2.75
	43	3.12	2.57	3.36	2.57	3.65	2.75	3.79	2.75	3.83	2.71	3.91	2.77	4.00	2.69

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 9 (m³/min)	-19.8	-20	2.69	2.69	2.69	2.69	2.69
	-17.8	-18	2.86	2.86	2.86	2.86	2.86
	-15.7	-16	3.03	3.03	3.03	3.03	3.03
	-13.7	-14	3.20	3.20	3.20	3.20	3.20
	-11.7	-12	3.38	3.38	3.38	3.38	3.38
	-9.6	-10	3.55	3.55	3.55	3.55	3.55
	-7.5	-8	3.77	3.77	3.77	3.77	3.77
	-5.5	-6	3.98	3.98	3.98	3.98	3.98
	-3.4	-4	4.12	4.11	4.11	4.07	4.03
	-1.3	-2	4.26	4.25	4.24	4.16	4.07
	0.8	0	4.49	4.43	4.36	4.21	4.05
	3.9	3	4.87	4.70	4.53	4.27	4.02
	7.0	6	5.32	4.98	4.63	4.31	3.98
	10.1	9	5.29	4.95	4.61	4.28	3.95
	13.2	12	5.26	4.92	4.58	4.25	3.91
	16.9	15.5	5.21	4.88	4.54	4.21	3.87

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Lo 7 (m³/min)	10			3.21	2.29	3.83	2.60	4.14	2.68	4.41	2.73	4.94	2.94	5.13	2.85
	12			3.21	2.29	3.83	2.60	4.14	2.68	4.40	2.73	4.92	2.94	5.11	2.85
	14			3.21	2.29	3.83	2.60	4.14	2.68	4.40	2.73	4.90	2.93	5.08	2.83
	16			3.21	2.29	3.83	2.60	4.14	2.68	4.39	2.72	4.89	2.92	5.06	2.83
	18			3.21	2.29	3.83	2.60	4.14	2.68	4.39	2.72	4.87	2.91	5.04	2.82
	20			3.21	2.29	3.83	2.60	4.14	2.68	4.38	2.72	4.85	2.90	5.02	2.81
	22			3.20	2.28	3.83	2.60	4.14	2.68	4.36	2.71	4.79	2.88	4.95	2.78
	24			3.20	2.28	3.83	2.60	4.14	2.68	4.34	2.70	4.73	2.85	4.88	2.74
	26			3.19	2.28	3.81	2.59	4.11	2.66	4.29	2.68	4.65	2.81	4.81	2.72
	28	2.89	2.24	3.19	2.28	3.79	2.58	4.07	2.65	4.24	2.65	4.58	2.78	4.73	2.69
	30	2.89	2.24	3.18	2.28	3.76	2.57	4.03	2.63	4.19	2.63	4.51	2.75	4.66	2.66
	32	2.89	2.24	3.17	2.27	3.73	2.55	3.99	2.61	4.14	2.61	4.44	2.72	4.59	2.64
	34	2.89	2.24	3.16	2.26	3.72	2.55	3.94	2.58	4.07	2.57	4.34	2.68	4.49	2.60
	35	2.89	2.24	3.16	2.26	3.71	2.54	3.91	2.57	4.04	2.56	4.30	2.66	4.45	2.58
	36	2.89	2.24	3.16	2.26	3.69	2.53	3.89	2.56	4.00	2.54	4.22	2.63	4.36	2.54
	38	2.89	2.24	3.15	2.26	3.63	2.50	3.85	2.54	3.92	2.51	4.07	2.57	4.19	2.48
	39	2.89	2.24	3.14	2.25	3.60	2.48	3.83	2.53	3.88	2.49	3.99	2.53	4.10	2.44
	41	2.89	2.24	3.13	2.25	3.49	2.43	3.68	2.46	3.72	2.41	3.81	2.46	3.91	2.37
	43	2.89	2.24	3.12	2.24	3.39	2.39	3.52	2.39	3.56	2.35	3.63	2.39	3.72	2.31

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 8 (m³/min)	-19.8	-20	2.47	2.47	2.47	2.47	2.47
	-17.8	-18	2.62	2.62	2.62	2.62	2.62
	-15.7	-16	2.78	2.78	2.78	2.78	2.78
	-13.7	-14	2.94	2.94	2.94	2.94	2.94
	-11.7	-12	3.10	3.10	3.10	3.10	3.10
	-9.6	-10	3.26	3.26	3.26	3.26	3.26
	-7.5	-8	3.46	3.46	3.46	3.46	3.46
	-5.5	-6	3.66	3.66	3.66	3.66	3.66
	-3.4	-4	3.78	3.78	3.77	3.73	3.70
	-1.3	-2	3.91	3.90	3.89	3.81	3.74
	0.8	0	4.12	4.06	4.01	3.86	3.72
	3.9	3	4.47	4.31	4.15	3.92	3.69
	7.0	6	4.89	4.57	4.25	3.95	3.66
	10.1	9	4.86	4.54	4.23	3.93	3.62
	13.2	12	4.82	4.52	4.21	3.90	3.59
	16.9	15.5	4.79	4.48	4.17	3.86	3.55

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJA003Z398

Model **FDTC56KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi 16 (m³/min)	10			4.59	3.91	5.49	4.42	5.94	4.50	6.32	4.57	7.07	4.94	7.35	4.82
	12			4.59	3.91	5.49	4.42	5.94	4.50	6.31	4.56	7.05	4.93	7.31	4.80
	14			4.59	3.91	5.49	4.42	5.94	4.50	6.30	4.56	7.02	4.92	7.28	4.80
	16			4.59	3.91	5.49	4.42	5.94	4.50	6.29	4.56	7.00	4.91	7.25	4.79
	18			4.59	3.91	5.49	4.42	5.94	4.50	6.28	4.55	6.97	4.90	7.22	4.78
	20			4.59	3.91	5.49	4.42	5.94	4.50	6.27	4.55	6.95	4.89	7.19	4.77
	22			4.58	3.91	5.49	4.42	5.94	4.50	6.24	4.52	6.86	4.86	7.09	4.74
	24			4.58	3.91	5.48	4.41	5.94	4.50	6.21	4.51	6.77	4.83	6.99	4.70
	26			4.57	3.91	5.46	4.41	5.88	4.48	6.14	4.48	6.66	4.79	6.88	4.66
	28	4.14	3.87	4.57	3.91	5.43	4.39	5.82	4.46	6.07	4.46	6.56	4.75	6.78	4.63
	30	4.14	3.87	4.56	3.90	5.39	4.38	5.77	4.44	6.00	4.43	6.46	4.71	6.67	4.59
	32	4.14	3.87	4.55	3.90	5.35	4.36	5.71	4.41	5.93	4.41	6.36	4.68	6.57	4.56
	34	4.14	3.87	4.53	3.89	5.33	4.35	5.64	4.39	5.83	4.37	6.22	4.62	6.44	4.51
	35	4.14	3.87	4.52	3.88	5.32	4.35	5.60	4.37	5.79	4.35	6.16	4.60	6.37	4.49
	36	4.14	3.87	4.52	3.88	5.28	4.33	5.57	4.36	5.73	4.33	6.05	4.56	6.25	4.45
	38	4.14	3.87	4.51	3.88	5.20	4.30	5.52	4.34	5.62	4.29	5.82	4.49	6.00	4.37
	39	4.14	3.87	4.50	3.88	5.16	4.29	5.49	4.33	5.56	4.27	5.71	4.44	5.87	4.33
	41	4.14	3.87	4.49	3.87	5.00	4.22	5.26	4.24	5.33	4.19	5.46	4.36	5.60	4.22
	43	4.14	3.87	4.47	3.86	4.85	4.17	5.04	4.16	5.10	4.10	5.21	4.25	5.32	4.13

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 16 (m³/min)	-19.8	-20	3.65	3.65	3.65	3.65	3.65
	-17.8	-18	3.89	3.89	3.89	3.89	3.89
	-15.7	-16	4.12	4.12	4.12	4.12	4.12
	-13.7	-14	4.36	4.36	4.36	4.36	4.36
	-11.7	-12	4.59	4.59	4.59	4.59	4.59
	-9.6	-10	4.83	4.83	4.83	4.83	4.83
	-7.5	-8	5.12	5.12	5.12	5.12	5.12
	-5.5	-6	5.42	5.42	5.42	5.42	5.42
	-3.4	-4	5.61	5.60	5.59	5.54	5.48
	-1.3	-2	5.80	5.78	5.76	5.65	5.54
	0.8	0	6.11	6.02	5.94	5.73	5.51
	3.9	3	6.63	6.39	6.16	5.81	5.47
	7.0	6	7.25	6.77	6.30	5.86	5.42
	10.1	9	7.20	6.74	6.28	5.82	5.37
	13.2	12	7.15	6.69	6.24	5.78	5.32
	16.9	15.5	7.10	6.64	6.18	5.73	5.27

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi 13 (m³/min)	10			4.51	3.53	5.39	3.99	5.83	4.10	6.20	4.15	6.95	4.47	7.21	4.35
	12			4.51	3.53	5.39	3.99	5.83	4.10	6.19	4.15	6.92	4.46	7.18	4.34
	14			4.51	3.53	5.39	3.99	5.83	4.10	6.19	4.15	6.90	4.45	7.15	4.33
	16			4.51	3.53	5.39	3.99	5.83	4.10	6.18	4.15	6.87	4.44	7.12	4.32
	18			4.51	3.53	5.39	3.99	5.83	4.10	6.17	4.14	6.85	4.43	7.09	4.31
	20			4.51	3.53	5.39	3.99	5.83	4.10	6.16	4.13	6.82	4.42	7.06	4.30
	22			4.50	3.53	5.39	3.99	5.83	4.10	6.13	4.12	6.74	4.39	6.96	4.27
	24			4.50	3.53	5.39	3.99	5.83	4.10	6.10	4.11	6.65	4.36	6.87	4.24
	26			4.49	3.52	5.36	3.98	5.78	4.07	6.03	4.08	6.54	4.32	6.76	4.19
	28	4.07	3.47	4.49	3.52	5.34	3.97	5.72	4.04	5.96	4.05	6.44	4.28	6.65	4.16
	30	4.07	3.47	4.48	3.52	5.29	3.95	5.67	4.02	5.89	4.02	6.34	4.24	6.56	4.12
	32	4.07	3.47	4.47	3.51	5.25	3.94	5.61	4.00	5.82	3.99	6.24	4.20	6.46	4.09
	34	4.07	3.47	4.45	3.50	5.23	3.93	5.54	3.97	5.73	3.96	6.11	4.15	6.32	4.04
	35	4.07	3.47	4.44	3.50	5.23	3.93	5.50	3.95	5.68	3.93	6.05	4.13	6.26	4.01
	36	4.07	3.47	4.44	3.50	5.19	3.90	5.47	3.94	5.63	3.91	5.94	4.08	6.13	3.97
	38	4.07	3.47	4.43	3.49	5.11	3.87	5.42	3.92	5.52	3.87	5.72	4.01	5.89	3.89
	39	4.07	3.47	4.42	3.49	5.07	3.85	5.39	3.91	5.46	3.85	5.61	3.96	5.77	3.85
	41	4.07	3.47	4.41	3.48	4.92	3.79	5.17	3.81	5.23	3.75	5.36	3.87	5.50	3.76
	43	4.07	3.47	4.39	3.47	4.76	3.71	4.95	3.72	5.00	3.65	5.11	3.78	5.23	3.67

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 13 (m³/min)	-19.8	-20	3.57	3.57	3.57	3.57	3.57
	-17.8	-18	3.80	3.80	3.80	3.80	3.80
	-15.7	-16	4.03	4.03	4.03	4.03	4.03
	-13.7	-14	4.26	4.26	4.26	4.26	4.26
	-11.7	-12	4.49	4.49	4.49	4.49	4.49
	-9.6	-10	4.72	4.72	4.72	4.72	4.72
	-7.5	-8	5.00	5.00	5.00	5.00	5.00
	-5.5	-6	5.29	5.29	5.29	5.29	5.29
	-3.4	-4	5.47	5.47	5.46	5.40	5.35
	-1.3	-2	5.66	5.64	5.63	5.52	5.41
	0.8	0	5.97	5.88	5.80	5.59	5.38
	3.9	3	6.47	6.24	6.01	5.67	5.34
	7.0	6	7.07	6.61	6.15	5.72	5.29
	10.1	9	7.03	6.58	6.13	5.68	5.24
	13.2	12	6.98	6.53	6.09	5.64	5.20
	16.9	15.5	6.93	6.48	6.03	5.59	5.14

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me 10 (m³/min)	10			4.24	3.09	5.07	3.51	5.48	3.61	5.83	3.67	6.53	3.96	6.78	3.84
	12			4.24	3.09	5.07	3.51	5.48	3.61	5.82	3.67	6.51	3.95	6.75	3.83
	14			4.24	3.09	5.07	3.51	5.48	3.61	5.81	3.67	6.48	3.94	6.72	3.82
	16			4.24	3.09	5.07	3.51	5.48	3.61	5.81	3.67	6.46	3.92	6.69	3.81
	18			4.24	3.09	5.07	3.51	5.48	3.61	5.80	3.66	6.44	3.92	6.66	3.80
	20			4.24	3.09	5.07	3.51	5.48	3.61	5.79	3.66	6.41	3.90	6.64	3.78
	22			4.23	3.09	5.06	3.51	5.48	3.61	5.76	3.64	6.33	3.87	6.54	3.75
	24			4.23	3.09	5.06	3.51	5.48	3.61	5.74	3.63	6.25	3.84	6.45	3.71
	26			4.22	3.08	5.04	3.49	5.43	3.59	5.67	3.60	6.15	3.79	6.35	3.67
	28	3.83	3.03	4.22	3.08	5.01	3.48	5.38	3.56	5.60	3.57	6.05	3.75	6.26	3.63
	30	3.83	3.03	4.21	3.08	4.98	3.47	5.33	3.54	5.54	3.54	5.96	3.70	6.16	3.59
	32	3.83	3.03	4.20	3.07	4.94	3.45	5.27	3.51	5.47	3.51	5.87	3.67	6.07	3.56
	34	3.83	3.03	4.18	3.06	4.92	3.44	5.20	3.48	5.38	3.47	5.74	3.62	5.94	3.51
	35	3.83	3.03	4.18	3.06	4.91	3.44	5.17	3.47	5.34	3.45	5.68	3.59	5.88	3.49
	36	3.83	3.03	4.17	3.06	4.87	3.41	5.14	3.45	5.29	3.43	5.58	3.55	5.77	3.45
	38	3.83	3.03	4.16	3.05	4.80	3.38	5.09	3.43	5.19	3.39	5.38	3.47	5.54	3.36
	39	3.83	3.03	4.16	3.05	4.76	3.36	5.07	3.42	5.14	3.37	5.27	3.43	5.42	3.32
	41	3.83	3.03	4.14	3.04	4.62	3.30	4.86	3.33	4.92	3.27	5.04	3.34	5.17	3.23
	43	3.83	3.03	4.13	3.03	4.48	3.23	4.65	3.23	4.70	3.17	4.81	3.25	4.92	3.14

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 10 (m³/min)	-19.8	-20	3.32	3.32	3.32	3.32	3.32
	-17.8	-18	3.54	3.54	3.54	3.54	3.54
	-15.7	-16	3.75	3.75	3.75	3.75	3.75
	-13.7	-14	3.97	3.97	3.97	3.97	3.97
	-11.7	-12	4.18	4.18	4.18	4.18	4.18
	-9.6	-10	4.39	4.39	4.39	4.39	4.39
	-7.5	-8	4.66	4.66	4.66	4.66	4.66
	-5.5	-6	4.93	4.93	4.93	4.93	4.93
	-3.4	-4	5.10	5.09	5.09	5.04	4.99
	-1.3	-2	5.27	5.26	5.24	5.14	5.04
	0.8	0	5.56	5.48	5.40	5.21	5.01
	3.9	3	6.03	5.82	5.60	5.29	4.97
	7.0	6	6.59	6.16	5.73	5.33	4.93
	10.1	9	6.55	6.13	5.71	5.30	4.88
	13.2	12	6.50	6.09	5.67	5.26	4.84
	16.9	15.5	6.45	6.04	5.62	5.21	4.79

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo 7 (m³/min)	10			3.85	2.61	4.61	3.00	4.98	3.10	5.30	3.18	5.94	3.43	6.16	3.31
	12			3.85	2.61	4.61	3.00	4.98	3.10	5.29	3.17	5.92	3.42	6.14	3.30
	14			3.85	2.61	4.61	3.00	4.98	3.10	5.29	3.17	5.89	3.40	6.11	3.29
	16			3.85	2.61	4.61	3.00	4.98	3.10	5.28	3.17	5.87	3.39	6.09	3.28
	18			3.85	2.61	4.61	3.00	4.98	3.10	5.27	3.16	5.85	3.38	6.06	3.26
	20			3.85	2.61	4.61	3.00	4.98	3.10	5.26	3.16	5.83	3.37	6.03	3.25
	22			3.85	2.61	4.60	2.99	4.98	3.10	5.24	3.14	5.76	3.34	5.95	3.21
	24			3.84	2.61	4.60	2.99	4.98	3.10	5.22	3.14	5.68	3.29	5.87	3.18
	26			3.84	2.61	4.58	2.98	4.94	3.08	5.15	3.10	5.59	3.25	5.78	3.13
	28	3.48	2.55	3.84	2.61	4.56	2.97	4.89	3.06	5.09	3.06	5.50	3.21	5.69	3.09
	30	3.48	2.55	3.83	2.60	4.52	2.95	4.84	3.03	5.03	3.03	5.42	3.17	5.60	3.05
	32	3.48	2.55	3.82	2.60	4.49	2.93	4.79	3.00	4.97	3.00	5.34	3.13	5.52	3.02
	34	3.48	2.55	3.80	2.59	4.47	2.92	4.73	2.97	4.90	2.97	5.22	3.07	5.40	2.97
	35	3.48	2.55	3.80	2.59	4.47	2.92	4.70	2.95	4.86	2.95	5.17	3.04	5.35	2.94
	36	3.48	2.55	3.79	2.58	4.43	2.90	4.68	2.95	4.81	2.92	5.07	2.99	5.24	2.89
	38	3.48	2.55	3.78	2.58	4.36	2.86	4.63	2.92	4.72	2.88	4.89	2.92	5.03	2.80
	39	3.48	2.55	3.78	2.58	4.33	2.85	4.61	2.91	4.67	2.85	4.80	2.87	4.93	2.76
	41	3.48	2.55	3.77	2.57	4.20	2.78	4.42	2.81	4.47	2.76	4.58	2.77	4.70	2.67
	43	3.48	2.55	3.75	2.56	4.07	2.71	4.23	2.71	4.28	2.66	4.37	2.68	4.47	2.58

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 8 (m³/min)	-19.8	-20	2.98	2.98	2.98	2.98	2.98
	-17.8	-18	3.17	3.17	3.17	3.17	3.17
	-15.7	-16	3.36	3.36	3.36	3.36	3.36
	-13.7	-14	3.55	3.55	3.55	3.55	3.55
	-11.7	-12	3.74	3.74	3.74	3.74	3.74
	-9.6	-10	3.93	3.93	3.93	3.93	3.93
	-7.5	-8	4.17	4.17	4.17	4.17	4.17
	-5.5	-6	4.41	4.41	4.41	4.41	4.41
	-3.4	-4	4.57	4.56	4.55	4.51	4.46
	-1.3	-2	4.72	4.71	4.69	4.60	4.51
	0.8	0	4.98	4.91	4.84	4.66	4.49
	3.9	3	5.40	5.21	5.01	4.73	4.45
	7.0	6	5.90	5.51	5.13	4.77	4.41
	10.1	9	5.86	5.49	5.11	4.74	4.37
	13.2	12	5.82	5.45	5.08	4.71	4.33
	16.9	15.5	5.78	5.41	5.03	4.66	4.29

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJA003Z398

(c) Ceiling cassette-2 way type (FDTW)

Model **FDTW28KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
P-Hi	10			2.30	2.06	2.74	2.32	2.97	2.35	3.16	2.40	3.54	2.59	3.67	2.52
14.5	12			2.30	2.06	2.74	2.32	2.97	2.35	3.15	2.39	3.52	2.59	3.66	2.51
(m³/min)	14			2.30	2.06	2.74	2.32	2.97	2.35	3.15	2.39	3.51	2.56	3.64	2.51
	16			2.30	2.06	2.74	2.32	2.97	2.35	3.14	2.39	3.50	2.56	3.63	2.51
	18			2.30	2.06	2.74	2.32	2.97	2.35	3.14	2.39	3.49	2.56	3.61	2.50
	20			2.30	2.06	2.74	2.32	2.97	2.35	3.14	2.39	3.47	2.55	3.59	2.50
	22			2.29	2.06	2.74	2.32	2.97	2.35	3.12	2.38	3.43	2.54	3.54	2.49
	24			2.29	2.06	2.74	2.32	2.97	2.35	3.11	2.38	3.39	2.53	3.50	2.48
	26			2.29	2.06	2.73	2.32	2.94	2.35	3.07	2.34	3.33	2.52	3.44	2.46
	28	2.07	1.99	2.28	2.05	2.72	2.31	2.91	2.34	3.03	2.33	3.28	2.50	3.39	2.44
	30	2.07	1.99	2.28	2.05	2.70	2.31	2.88	2.33	3.00	2.32	3.23	2.48	3.34	2.42
	32	2.07	1.99	2.27	2.04	2.67	2.29	2.86	2.32	2.96	2.31	3.18	2.47	3.29	2.41
	34	2.07	1.99	2.27	2.04	2.66	2.29	2.82	2.31	2.92	2.30	3.11	2.44	3.22	2.39
	35	2.07	1.99	2.26	2.04	2.66	2.29	2.80	2.30	2.89	2.30	3.08	2.43	3.18	2.37
	36	2.07	1.99	2.26	2.04	2.64	2.28	2.79	2.30	2.86	2.28	3.02	2.41	3.12	2.36
	38	2.07	1.99	2.25	2.04	2.60	2.27	2.76	2.29	2.81	2.27	2.91	2.37	3.00	2.31
	39	2.07	1.99	2.25	2.04	2.58	2.25	2.74	2.28	2.78	2.25	2.86	2.36	2.94	2.27
	41	2.07	1.99	2.24	2.03	2.50	2.22	2.63	2.23	2.66	2.21	2.73	2.29	2.80	2.24
	43	2.07	1.99	2.24	2.03	2.43	2.19	2.52	2.20	2.55	2.16	2.60	2.26	2.66	2.21

Heat Mode

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi	-19.8	-20	1.86	1.86	1.86	1.86	1.86
14.5	-17.8	-18	1.98	1.98	1.98	1.98	1.98
(m³/min)	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
	-5.5	-6	2.75	2.75	2.75	2.75	2.75
	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
Hi	10			2.04	1.80	2.44	2.03	2.64	2.06	2.81	2.10	3.15	2.27	3.27	2.22
12	12			2.04	1.80	2.44	2.03	2.64	2.06	2.80	2.09	3.13	2.26	3.25	2.21
(m³/min)	14			2.04	1.80	2.44	2.03	2.64	2.06	2.80	2.09	3.12	2.26	3.24	2.21
	16			2.04	1.80	2.44	2.03	2.64	2.06	2.80	2.09	3.11	2.26	3.22	2.20
	18			2.04	1.80	2.44	2.03	2.64	2.06	2.79	2.09	3.10	2.26	3.21	2.20
	20			2.04	1.80	2.44	2.03	2.64	2.06	2.79	2.09	3.09	2.25	3.20	2.19
	22			2.04	1.80	2.44	2.03	2.64	2.06	2.78	2.09	3.05	2.24	3.15	2.16
	24			2.04	1.80	2.44	2.03	2.64	2.06	2.76	2.06	3.01	2.22	3.11	2.15
	26			2.03	1.79	2.43	2.03	2.62	2.06	2.73	2.05	2.96	2.19	3.06	2.14
	28	1.84	1.77	2.03	1.79	2.42	2.03	2.59	2.05	2.70	2.05	2.92	2.18	3.01	2.13
	30	1.84	1.77	2.03	1.79	2.40	2.01	2.57	2.04	2.67	2.04	2.87	2.17	2.97	2.11
	32	1.84	1.77	2.02	1.79	2.38	2.01	2.54	2.03	2.64	2.03	2.83	2.16	2.92	2.11
	34	1.84	1.77	2.02	1.79	2.37	2.00	2.51	2.02	2.59	2.01	2.77	2.13	2.86	2.08
	35	1.84	1.77	2.01	1.79	2.37	2.00	2.49	2.01	2.57	2.00	2.74	2.12	2.83	2.07
	36	1.84	1.77	2.01	1.79	2.35	2.00	2.48	2.01	2.55	2.00	2.69	2.10	2.78	2.06
	38	1.84	1.77	2.00	1.78	2.31	1.98	2.45	2.00	2.50	1.98	2.59	2.07	2.67	2.02
	39	1.84	1.77	2.00	1.78	2.29	1.97	2.44	1.99	2.47	1.96	2.54	2.05	2.61	2.00
	41	1.84	1.77	2.00	1.78	2.23	1.95	2.34	1.95	2.37	1.93	2.43	2.02	2.49	1.94
	43	1.84	1.77	1.99	1.78	2.16	1.92	2.24	1.92	2.27	1.89	2.32	1.96	2.37	1.92

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi	-19.8	-20	1.63	1.63	1.63	1.63	1.63
12	-17.8	-18	1.73	1.73	1.73	1.73	1.73
(m³/min)	-15.7	-16	1.84	1.84	1.84	1.84	1.84
	-13.7	-14	1.94	1.94	1.94	1.94	1.94
	-11.7	-12	2.05	2.05	2.05	2.05	2.05
	-9.6	-10	2.15	2.15	2.15	2.15	2.15
	-7.5	-8	2.29	2.29	2.29	2.29	2.29
	-5.5	-6	2.42	2.42	2.42	2.42	2.42
	-3.4	-4	2.50	2.50	2.49	2.47	2.45
	-1.3	-2	2.59	2.58	2.57	2.52	2.47
	0.8	0	2.73	2.69	2.65	2.55	2.46
	3.9	3	2.96	2.85	2.75	2.59	2.44
	7.0	6	3.23	3.02	2.81	2.61	2.42
	10.1	9	3.21	3.01	2.80	2.60	2.40
	13.2	12	3.19	2.99	2.78	2.58	2.37
	16.9	15.5	3.17	2.96	2.76	2.55	2.35

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
Me	10			1.81	1.57	2.17	1.78	2.34	1.82	2.49	1.83	2.79	1.99	2.90	1.94
10	12			1.81	1.57	2.17	1.78	2.34	1.82	2.49	1.83	2.78	1.98	2.89	1.94
(m³/min)	14			1.81	1.57	2.17	1.78	2.34	1.82	2.49	1.83	2.77	1.98	2.87	1.93
	16			1.81	1.57	2.17	1.78	2.34	1.82	2.48	1.82	2.76	1.97	2.86	1.93
	18			1.81	1.57	2.17	1.78	2.34	1.82	2.48	1.82	2.75	1.97	2.85	1.93
	20			1.81	1.57	2.17	1.78	2.34	1.82	2.47	1.82	2.74	1.97	2.84	1.92
	22			1.81	1.57	2.16	1.78	2.34	1.82	2.46	1.82	2.71	1.96	2.80	1.89
	24			1.81	1.57	2.16	1.78	2.34	1.82	2.45	1.82	2.67	1.94	2.76	1.88
	26			1.80	1.57	2.15	1.77	2.32	1.81	2.42	1.81	2.63	1.91	2.72	1.87
	28	1.64	1.55	1.80	1.57	2.14	1.77	2.30	1.80	2.39	1.79	2.59	1.90	2.67	1.86
	30	1.64	1.55	1.80	1.57	2.13	1.76	2.28	1.79	2.37	1.79	2.55	1.89	2.63	1.85
	32	1.64	1.55	1.79	1.56	2.11	1.76	2.25	1.78	2.34	1.78	2.51	1.88	2.59	1.84
	34	1.64	1.55	1.79	1.56	2.10	1.75	2.22	1.77	2.30	1.76	2.46	1.87	2.54	1.82
	35	1.64	1.55	1.79	1.56	2.10	1.75	2.21	1.76	2.28	1.75	2.43	1.86	2.51	1.81
	36	1.64	1.55	1.78	1.56	2.08	1.74	2.20	1.76	2.26	1.75	2.39	1.84	2.46	1.80
	38	1.64	1.55	1.78	1.56	2.05	1.73	2.18	1.75	2.22	1.73	2.30	1.81	2.37	1.76
	39	1.64	1.55	1.78	1.56	2.04	1.73	2.17	1.75	2.19	1.72	2.25	1.79	2.32	1.75
	41	1.64	1.55	1.77	1.55	1.97	1.70	2.08	1.71	2.10	1.69	2.15	1.76	2.21	1.70
	43	1.64	1.55	1.76	1.55	1.91	1.66	1.99	1.68	2.01	1.64	2.05	1.71	2.10	1.67

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me	-19.8	-20	1.43	1.43	1.43	1.43	1.43
10	-17.8	-18	1.52	1.52	1.52	1.52	1.52
(m³/min)	-15.7	-16	1.61	1.61	1.61	1.61	1.61
	-13.7	-14	1.71	1.71	1.71	1.71	1.71
	-11.7	-12	1.80	1.80	1.80	1.80	1.80
	-9.6	-10	1.89	1.89	1.89	1.89	1.89
	-7.5	-8	2.01	2.01	2.01	2.01	2.01
	-5.5	-6	2.12	2.12	2.12	2.12	2.12
	-3.4	-4	2.19	2.19	2.19	2.17	2.15
	-1.3	-2	2.27	2.26	2.26	2.21	2.17
	0.8	0	2.39	2.36	2.32	2.24	2.16
	3.9	3	2.60	2.50	2.41	2.28	2.14
	7.0	6	2.84	2.65	2.47	2.29	2.12
	10.1	9	2.82	2.64	2.46	2.28	2.10
	13.2	12	2.80	2.62	2.44	2.26	2.08
	16.9	15.5	2.78	2.60	2.42	2.24	2.06

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
Lo	10			1.68	1.45	2.01	1.64	2.18	1.68	2.32	1.69	2.60	1.84	2.69	1.79
9	12			1.68	1.45	2.01	1.64	2.18	1.68	2.31	1.69	2.59	1.84	2.68	1.79
(m³/min)	14			1.68	1.45	2.01	1.64	2.18	1.68	2.31	1.69	2.58	1.83	2.67	1.78
	16			1.68	1.45	2.01	1.64	2.18	1.68	2.31	1.69	2.57	1.83	2.66	1.78
	18			1.68	1.45	2.01	1.64	2.18	1.68	2.30	1.69	2.56	1.82	2.65	1.77
	20			1.68	1.45	2.01	1.64	2.18	1.68	2.30	1.69	2.55	1.82	2.64	1.77
	22			1.68	1.45	2.01	1.64	2.18	1.68	2.29	1.68	2.52	1.81	2.60	1.76
	24			1.68	1.45	2.01	1.64	2.18	1.68	2.28	1.68	2.48	1.79	2.56	1.73
	26			1.68	1.45	2.00	1.64	2.16	1.67	2.25	1.67	2.44	1.78	2.53	1.73
	28	1.52	1.43	1.68	1.45	1.99	1.63	2.14	1.66	2.23	1.66	2.41	1.75	2.49	1.72
	30	1.52	1.43	1.67	1.45	1.98	1.63	2.12	1.65	2.20	1.65	2.37	1.74	2.45	1.71
	32	1.52	1.43	1.67	1.45	1.96	1.62	2.10	1.64	2.17	1.64	2.33	1.73	2.41	1.69
	34	1.52	1.43	1.66	1.44	1.96	1.62	2.07	1.63	2.14	1.63	2.28	1.72	2.36	1.68
	35	1.52	1.43	1.66	1.44	1.95	1.62	2.05	1.63	2.12	1.62	2.26	1.71	2.34	1.67
	36	1.52	1.43	1.66	1.44	1.94	1.61	2.04	1.62	2.10	1.61	2.22	1.70	2.29	1.66
	38	1.52	1.43	1.65	1.44	1.91	1.60	2.02	1.61	2.06	1.59	2.14	1.67	2.20	1.62
	39	1.52	1.43	1.65	1.44	1.89	1.59	2.01	1.61	2.04	1.59	2.10	1.66	2.16	1.62
	41	1.52	1.43	1.65	1.44	1.84	1.57	1.93	1.58	1.96	1.56	2.00	1.62	2.05	1.58
	43	1.52	1.43	1.64	1.43	1.78	1.54	1.85	1.53	1.87	1.52	1.91	1.58	1.95	1.54

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo	-19.8	-20	1.32	1.32	1.32	1.32	1.32
9	-17.8	-18	1.41	1.41	1.41	1.41	1.41
(m³/min)	-15.7	-16	1.49	1.49	1.49	1.49	1.49
	-13.7	-14	1.58	1.58	1.58	1.58	1.58
	-11.7	-12	1.66	1.66	1.66	1.66	1.66
	-9.6	-10	1.75	1.75	1.75	1.75	1.75
	-7.5	-8	1.86	1.86	1.86	1.86	1.86
	-5.5	-6	1.96	1.96	1.96	1.96	1.96
	-3.4	-4	2.03	2.03	2.03	2.01	1.99
	-1.3	-2	2.10	2.09	2.09	2.05	2.01
	0.8	0	2.21	2.18	2.15	2.07	2.00
	3.9	3	2.40	2.32	2.23	2.11	1.98
	7.0	6	2.62	2.45	2.28	2.12	1.96
	10.1	9	2.61	2.44	2.27	2.11	1.95
	13.2	12	2.59	2.43	2.26	2.09	1.93
	16.9	15.5	2.57	2.41	2.24	2.07	1.91

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJB001Z731

Model **FDTW45KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
P-Hi	10			3.69	3.00	4.41	3.39	4.77	3.46	5.07	3.51	5.68	3.78	5.90	3.70
14.5	12			3.69	3.00	4.41	3.39	4.77	3.46	5.07	3.51	5.66	3.78	5.88	3.69
(m³/min)	14			3.69	3.00	4.41	3.39	4.77	3.46	5.06	3.51	5.64	3.77	5.85	3.68
	16			3.69	3.00	4.41	3.39	4.77	3.46	5.05	3.51	5.62	3.76	5.83	3.68
	18			3.69	3.00	4.41	3.39	4.77	3.46	5.05	3.51	5.60	3.76	5.80	3.67
	20			3.69	3.00	4.41	3.39	4.77	3.46	5.04	3.50	5.58	3.75	5.78	3.66
	22			3.68	3.00	4.41	3.39	4.77	3.46	5.02	3.50	5.51	3.73	5.70	3.64
	24			3.68	3.00	4.41	3.39	4.77	3.46	4.99	3.48	5.44	3.70	5.62	3.61
	26			3.68	3.00	4.39	3.39	4.73	3.45	4.93	3.45	5.35	3.67	5.53	3.58
	28	3.33	2.96	3.67	2.99	4.37	3.38	4.68	3.43	4.88	3.43	5.27	3.64	5.44	3.54
	30	3.33	2.96	3.66	2.99	4.33	3.36	4.64	3.42	4.82	3.41	5.19	3.61	5.36	3.51
	32	3.33	2.96	3.65	2.99	4.30	3.35	4.59	3.40	4.76	3.39	5.11	3.58	5.28	3.49
	34	3.33	2.96	3.64	2.98	4.28	3.34	4.53	3.37	4.69	3.36	5.00	3.54	5.17	3.45
	35	3.33	2.96	3.64	2.98	4.28	3.34	4.50	3.36	4.65	3.35	4.95	3.52	5.12	3.41
	36	3.33	2.96	3.63	2.98	4.24	3.32	4.48	3.35	4.60	3.33	4.86	3.49	5.02	3.38
	38	3.33	2.96	3.62	2.97	4.18	3.30	4.43	3.33	4.52	3.29	4.68	3.41	4.82	3.33
	39	3.33	2.96	3.62	2.97	4.15	3.28	4.41	3.32	4.47	3.28	4.59	3.39	4.72	3.30
	41	3.33	2.96	3.61	2.96	4.02	3.23	4.23	3.25	4.28	3.20	4.39	3.32	4.50	3.23
	43	3.33	2.96	3.59	2.96	3.90	3.18	4.05	3.18	4.09	3.13	4.18	3.24	4.28	3.15

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi	-19.8	-20	2.90	2.90	2.90	2.90	2.90
14.5	-17.8	-18	3.09	3.09	3.09	3.09	3.09
(m³/min)	-15.7	-16	3.27	3.27	3.27	3.27	3.27
	-13.7	-14	3.46	3.46	3.46	3.46	3.46
	-11.7	-12	3.65	3.65	3.65	3.65	3.65
	-9.6	-10	3.83	3.83	3.83	3.83	3.83
	-7.5	-8	4.07	4.07	4.07	4.07	4.07
	-5.5	-6	4.30	4.30	4.30	4.30	4.30
	-3.4	-4	4.45	4.44	4.44	4.39	4.35
	-1.3	-2	4.60	4.59	4.58	4.49	4.40
	0.8	0	4.85	4.78	4.71	4.54	4.38
	3.9	3	5.26	5.08	4.89	4.61	4.34
	7.0	6	5.75	5.38	5.00	4.65	4.30
	10.1	9	5.71	5.35	4.98	4.62	4.26
	13.2	12	5.68	5.31	4.95	4.59	4.23
	16.9	15.5	5.63	5.27	4.91	4.54	4.18

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi	10			3.20	2.57	3.82	2.90	4.14	2.98	4.40	3.02	4.93	3.26	5.12	3.18
12	12			3.20	2.57	3.82	2.90	4.14	2.98	4.40	3.02	4.91	3.25	5.10	3.16
(m³/min)	14			3.20	2.57	3.82	2.90	4.14	2.98	4.39	3.02	4.90	3.25	5.08	3.16
	16			3.20	2.57	3.82	2.90	4.14	2.98	4.38	3.01	4.88	3.24	5.05	3.15
	18			3.20	2.57	3.82	2.90	4.14	2.98	4.38	3.01	4.86	3.23	5.03	3.14
	20			3.20	2.57	3.82	2.90	4.14	2.98	4.37	3.00	4.84	3.22	5.01	3.13
	22			3.19	2.56	3.82	2.90	4.14	2.98	4.35	3.00	4.78	3.20	4.94	3.10
	24			3.19	2.56	3.82	2.90	4.14	2.98	4.33	2.99	4.72	3.18	4.87	3.08
	26			3.19	2.56	3.80	2.90	4.10	2.96	4.28	2.97	4.64	3.13	4.80	3.06
	28	2.89	2.53	3.19	2.56	3.79	2.89	4.06	2.94	4.23	2.95	4.57	3.11	4.72	3.03
	30	2.89	2.53	3.18	2.56	3.76	2.88	4.02	2.92	4.18	2.93	4.50	3.09	4.65	3.01
	32	2.89	2.53	3.17	2.56	3.73	2.87	3.98	2.90	4.13	2.89	4.43	3.07	4.58	2.99
	34	2.89	2.53	3.16	2.55	3.71	2.86	3.93	2.89	4.07	2.88	4.34	3.03	4.49	2.96
	35	2.89	2.53	3.15	2.55	3.71	2.86	3.90	2.88	4.03	2.86	4.29	3.01	4.44	2.94
	36	2.89	2.53	3.15	2.55	3.68	2.84	3.88	2.87	3.99	2.85	4.21	2.98	4.35	2.91
	38	2.89	2.53	3.14	2.55	3.62	2.82	3.84	2.85	3.92	2.82	4.06	2.92	4.18	2.85
	39	2.89	2.53	3.14	2.55	3.60	2.81	3.83	2.85	3.88	2.81	3.98	2.90	4.09	2.80
	41	2.89	2.53	3.13	2.54	3.49	2.76	3.67	2.78	3.71	2.74	3.81	2.83	3.90	2.75
	43	2.89	2.53	3.12	2.54	3.38	2.72	3.51	2.71	3.55	2.68	3.63	2.77	3.71	2.69

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi	-19.8	-20	2.47	2.47	2.47	2.47	2.47
12	-17.8	-18	2.63	2.63	2.63	2.63	2.63
(m³/min)	-15.7	-16	2.78	2.78	2.78	2.78	2.78
	-13.7	-14	2.94	2.94	2.94	2.94	2.94
	-11.7	-12	3.10	3.10	3.10	3.10	3.10
	-9.6	-10	3.26	3.26	3.26	3.26	3.26
	-7.5	-8	3.46	3.46	3.46	3.46	3.46
	-5.5	-6	3.66	3.66	3.66	3.66	3.66
	-3.4	-4	3.79	3.78	3.77	3.74	3.70
	-1.3	-2	3.91	3.90	3.89	3.82	3.74
	0.8	0	4.13	4.07	4.01	3.87	3.72
	3.9	3	4.48	4.32	4.16	3.92	3.69
	7.0	6	4.89	4.57	4.25	3.96	3.66
	10.1	9	4.86	4.55	4.24	3.93	3.63
	13.2	12	4.83	4.52	4.21	3.90	3.59
	16.9	15.5	4.79	4.48	4.17	3.87	3.56

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me	10			2.77	2.20	3.31	2.49	3.58	2.54	3.81	2.59	4.27	2.79	4.43	2.72
10	12			2.77	2.20	3.31	2.49	3.58	2.54	3.80	2.58	4.25	2.78	4.41	2.71
(m³/min)	14			2.77	2.20	3.31	2.49	3.58	2.54	3.80	2.58	4.23	2.78	4.39	2.70
	16			2.77	2.20	3.31	2.49	3.58	2.54	3.79	2.58	4.22	2.77	4.37	2.70
	18			2.77	2.20	3.31	2.49	3.58	2.54	3.79	2.58	4.20	2.76	4.35	2.67
	20			2.77	2.20	3.31	2.49	3.58	2.54	3.78	2.57	4.19	2.76	4.33	2.67
	22			2.76	2.19	3.31	2.49	3.58	2.54	3.76	2.57	4.14	2.74	4.27	2.65
	24			2.76	2.19	3.31	2.49	3.58	2.54	3.75	2.56	4.08	2.71	4.21	2.64
	26			2.76	2.19	3.29	2.48	3.55	2.53	3.70	2.53	4.02	2.69	4.15	2.61
	28	2.50	2.17	2.76	2.19	3.28	2.48	3.51	2.52	3.66	2.52	3.95	2.67	4.09	2.59
	30	2.50	2.17	2.75	2.19	3.25	2.46	3.48	2.51	3.62	2.50	3.89	2.64	4.02	2.57
	32	2.50	2.17	2.74	2.19	3.22	2.45	3.44	2.49	3.57	2.49	3.83	2.62	3.96	2.55
	34	2.50	2.17	2.73	2.18	3.21	2.45	3.40	2.47	3.52	2.47	3.75	2.59	3.88	2.52
	35	2.50	2.17	2.73	2.18	3.21	2.45	3.38	2.46	3.49	2.46	3.71	2.57	3.84	2.51
	36	2.50	2.17	2.72	2.18	3.18	2.43	3.36	2.46	3.45	2.44	3.64	2.55	3.77	2.49
	38	2.50	2.17	2.72	2.18	3.13	2.41	3.33	2.44	3.39	2.41	3.51	2.50	3.62	2.42
	39	2.50	2.17	2.71	2.18	3.11	2.40	3.31	2.43	3.35	2.39	3.44	2.46	3.54	2.40
	41	2.50	2.17	2.71	2.18	3.02	2.36	3.17	2.38	3.21	2.34	3.29	2.42	3.38	2.35
	43	2.50	2.17	2.70	2.17	2.92	2.32	3.04	2.32	3.07	2.29	3.14	2.36	3.21	2.30

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me	-19.8	-20	2.10	2.10	2.10	2.10	2.10
10	-17.8	-18	2.24	2.24	2.24	2.24	2.24
(m³/min)	-15.7	-16	2.37	2.37	2.37	2.37	2.37
	-13.7	-14	2.51	2.51	2.51	2.51	2.51
	-11.7	-12	2.64	2.64	2.64	2.64	2.64
	-9.6	-10	2.78	2.78	2.78	2.78	2.78
	-7.5	-8	2.95	2.95	2.95	2.95	2.95
	-5.5	-6	3.12	3.12	3.12	3.12	3.12
	-3.4	-4	3.23	3.22	3.22	3.19	3.15
	-1.3	-2	3.33	3.33	3.32	3.25	3.19
	0.8	0	3.52	3.47	3.42	3.29	3.17
	3.9	3	3.81	3.68	3.54	3.34	3.14
	7.0	6	4.17	3.90	3.62	3.37	3.12
	10.1	9	4.14	3.88	3.61	3.35	3.09
	13.2	12	4.11	3.85	3.59	3.33	3.06
	16.9	15.5	4.08	3.82	3.56	3.29	3.03

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo	10			2.54	2.01	3.03	2.27	3.28	2.33	3.49	2.36	3.91	2.55	4.06	2.48
9	12			2.54	2.01	3.03	2.27	3.28	2.33	3.49	2.36	3.90	2.54	4.04	2.47
(m³/min)	14			2.54	2.01	3.03	2.27	3.28	2.33	3.48	2.36	3.88	2.53	4.03	2.47
	16			2.54	2.01	3.03	2.27	3.28	2.33	3.48	2.36	3.87	2.53	4.01	2.46
	18			2.54	2.01	3.03	2.27	3.28	2.33	3.47	2.35	3.85	2.52	3.99	2.45
	20			2.54	2.01	3.03	2.27	3.28	2.33	3.47	2.35	3.84	2.52	3.97	2.45
	22			2.53	2.00	3.03	2.27	3.28	2.33	3.45	2.34	3.79	2.50	3.92	2.43
	24			2.53	2.00	3.03	2.27	3.28	2.33	3.44	2.34	3.74	2.48	3.86	2.41
	26			2.53	2.00	3.02	2.25	3.25	2.31	3.39	2.32	3.68	2.45	3.80	2.39
	28	2.29	1.97	2.53	2.00	3.00	2.25	3.22	2.30	3.35	2.30	3.62	2.43	3.75	2.37
	30	2.29	1.97	2.52	2.00	2.98	2.24	3.19	2.29	3.32	2.29	3.57	2.41	3.69	2.33
	32	2.29	1.97	2.51	1.99	2.96	2.23	3.16	2.27	3.28	2.27	3.51	2.38	3.63	2.32
	34	2.29	1.97	2.51	1.99	2.95	2.23	3.12	2.26	3.22	2.25	3.44	2.36	3.56	2.30
	35	2.29	1.97	2.50	1.99	2.94	2.23	3.10	2.24	3.20	2.24	3.40	2.34	3.52	2.28
	36	2.29	1.97	2.50	1.99	2.92	2.22	3.08	2.23	3.17	2.22	3.34	2.32	3.45	2.26
	38	2.29	1.97	2.49	1.98	2.87	2.20	3.05	2.22	3.11	2.20	3.22	2.28	3.32	2.21
	39	2.29	1.97	2.49	1.98	2.85	2.19	3.03	2.21	3.08	2.19	3.16	2.26	3.25	2.19
	41	2.29	1.97	2.48	1.98	2.77	2.16	2.91	2.17	2.95	2.14	3.02	2.21	3.10	2.14
	43	2.29	1.97	2.47	1.98	2.68	2.12	2.79	2.12	2.82	2.09	2.88	2.16	2.94	2.08

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo	-19.8	-20	1.91	1.91	1.91	1.91	1.91
9	-17.8	-18	2.04	2.04	2.04	2.04	2.04
(m³/min)	-15.7	-16	2.16	2.16	2.16	2.16	2.16
	-13.7	-14	2.28	2.28	2.28	2.28	2.28
	-11.7	-12	2.41	2.41	2.41	2.41	2.41
	-9.6	-10	2.53	2.53	2.53	2.53	2.53
	-7.5	-8	2.68	2.68	2.68	2.68	2.68
	-5.5	-6	2.84	2.84	2.84	2.84	2.84
	-3.4	-4	2.94	2.93	2.93	2.90	2.87
	-1.3	-2	3.03	3.03	3.02	2.96	2.90
	0.8	0	3.20	3.15	3.11	3.00	2.89
	3.9	3	3.47	3.35	3.22	3.04	2.86
	7.0	6	3.79	3.55	3.30	3.07	2.84
	10.1	9	3.77	3.53	3.29	3.05	2.81
	13.2	12	3.74	3.50	3.27	3.03	2.79
	16.9	15.5	3.71	3.48	3.24	3.00	2.76

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJB001Z731

Model **FDTW56KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
P-Hi 14.5 (m³/min)	10			4.59	3.57	5.49	4.05	5.94	4.15	6.32	4.21	7.07	4.54	7.35	4.41
	12			4.59	3.57	5.49	4.05	5.94	4.15	6.31	4.21	7.05	4.53	7.31	4.39
	14			4.59	3.57	5.49	4.05	5.94	4.15	6.30	4.20	7.02	4.50	7.28	4.39
	16			4.59	3.57	5.49	4.05	5.94	4.15	6.29	4.20	7.00	4.49	7.25	4.38
	18			4.59	3.57	5.49	4.05	5.94	4.15	6.28	4.20	6.97	4.48	7.22	4.37
	20			4.59	3.57	5.49	4.05	5.94	4.15	6.27	4.19	6.95	4.48	7.19	4.36
	22			4.58	3.56	5.49	4.05	5.94	4.15	6.24	4.17	6.86	4.45	7.09	4.32
	24			4.58	3.56	5.48	4.04	5.94	4.15	6.21	4.16	6.77	4.42	6.99	4.28
	26			4.57	3.56	5.46	4.03	5.88	4.12	6.14	4.13	6.66	4.37	6.88	4.24
	28	4.14	3.51	4.57	3.56	5.43	4.02	5.82	4.08	6.07	4.11	6.56	4.33	6.78	4.21
	30	4.14	3.51	4.56	3.55	5.39	4.00	5.77	4.07	6.00	4.06	6.46	4.29	6.67	4.17
	32	4.14	3.51	4.55	3.55	5.35	3.99	5.71	4.04	5.93	4.03	6.36	4.25	6.57	4.14
	34	4.14	3.51	4.53	3.54	5.33	3.98	5.64	4.02	5.83	4.00	6.22	4.20	6.44	4.09
	35	4.14	3.51	4.52	3.54	5.32	3.97	5.60	4.00	5.79	3.98	6.16	4.17	6.37	4.06
	36	4.14	3.51	4.52	3.54	5.28	3.95	5.57	3.99	5.73	3.96	6.05	4.14	6.25	4.00
	38	4.14	3.51	4.51	3.53	5.20	3.92	5.52	3.97	5.62	3.92	5.82	4.03	6.00	3.93
	39	4.14	3.51	4.50	3.53	5.16	3.90	5.49	3.95	5.56	3.89	5.71	4.00	5.87	3.89
	41	4.14	3.51	4.49	3.53	5.00	3.83	5.26	3.86	5.33	3.80	5.46	3.91	5.60	3.80
	43	4.14	3.51	4.47	3.52	4.85	3.77	5.04	3.76	5.10	3.71	5.21	3.83	5.32	3.71

Heat Mode

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 14.5 (m³/min)	-19.8	-20	3.65	3.65	3.65	3.65	3.65
	-17.8	-18	3.89	3.89	3.89	3.89	3.89
	-15.7	-16	4.12	4.12	4.12	4.12	4.12
	-13.7	-14	4.36	4.36	4.36	4.36	4.36
	-11.7	-12	4.59	4.59	4.59	4.59	4.59
	-9.6	-10	4.83	4.83	4.83	4.83	4.83
	-7.5	-8	5.12	5.12	5.12	5.12	5.12
	-5.5	-6	5.42	5.42	5.42	5.42	5.42
	-3.4	-4	5.61	5.60	5.59	5.54	5.48
	-1.3	-2	5.80	5.78	5.76	5.65	5.54
	0.8	0	6.11	6.02	5.94	5.73	5.51
	3.9	3	6.63	6.39	6.16	5.81	5.47
	7.0	6	7.25	6.77	6.30	5.86	5.42
	10.1	9	7.20	6.74	6.28	5.82	5.37
	13.2	12	7.15	6.69	6.24	5.78	5.32
	16.9	15.5	7.10	6.64	6.18	5.73	5.27

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
Hi 12 (m³/min)	10			3.98	3.04	4.76	3.45	5.15	3.54	5.48	3.59	6.14	3.88	6.37	3.77
	12			3.98	3.04	4.76	3.45	5.15	3.54	5.47	3.59	6.11	3.87	6.34	3.76
	14			3.98	3.04	4.76	3.45	5.15	3.54	5.46	3.59	6.09	3.86	6.32	3.75
	16			3.98	3.04	4.76	3.45	5.15	3.54	5.46	3.59	6.07	3.85	6.29	3.74
	18			3.98	3.04	4.76	3.45	5.15	3.54	5.45	3.58	6.05	3.84	6.26	3.73
	20			3.98	3.04	4.76	3.45	5.15	3.54	5.44	3.58	6.03	3.84	6.23	3.72
	22			3.98	3.04	4.76	3.45	5.15	3.54	5.42	3.57	5.95	3.80	6.15	3.69
	24			3.97	3.04	4.76	3.45	5.15	3.54	5.39	3.55	5.87	3.77	6.06	3.65
	26			3.97	3.04	4.73	3.44	5.10	3.52	5.33	3.53	5.78	3.73	5.97	3.61
	28	3.59	2.98	3.96	3.04	4.71	3.43	5.05	3.50	5.26	3.50	5.69	3.69	5.88	3.58
	30	3.59	2.98	3.95	3.03	4.68	3.41	5.00	3.47	5.20	3.47	5.60	3.65	5.79	3.55
	32	3.59	2.98	3.94	3.03	4.64	3.40	4.95	3.45	5.14	3.45	5.51	3.62	5.70	3.52
	34	3.59	2.98	3.93	3.02	4.62	3.38	4.89	3.43	5.06	3.42	5.40	3.58	5.58	3.48
	35	3.59	2.98	3.92	3.01	4.61	3.38	4.86	3.41	5.02	3.40	5.34	3.56	5.52	3.45
	36	3.59	2.98	3.92	3.01	4.58	3.36	4.83	3.40	4.97	3.38	5.24	3.52	5.42	3.42
	38	3.59	2.98	3.91	3.01	4.51	3.33	4.78	3.38	4.87	3.34	5.05	3.44	5.20	3.35
	39	3.59	2.98	3.91	3.01	4.48	3.32	4.76	3.37	4.83	3.31	4.96	3.41	5.10	3.31
	41	3.59	2.98	3.89	3.00	4.34	3.26	4.57	3.28	4.62	3.23	4.74	3.33	4.86	3.21
	43	3.59	2.98	3.88	3.00	4.21	3.20	4.37	3.20	4.42	3.15	4.52	3.24	4.62	3.14

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 12 (m³/min)	-19.8	-20	3.11	3.11	3.11	3.11	3.11
	-17.8	-18	3.31	3.31	3.31	3.31	3.31
	-15.7	-16	3.51	3.51	3.51	3.51	3.51
	-13.7	-14	3.71	3.71	3.71	3.71	3.71
	-11.7	-12	3.91	3.91	3.91	3.91	3.91
	-9.6	-10	4.11	4.11	4.11	4.11	4.11
	-7.5	-8	4.36	4.36	4.36	4.36	4.36
	-5.5	-6	4.61	4.61	4.61	4.61	4.61
	-3.4	-4	4.77	4.76	4.76	4.71	4.66
	-1.3	-2	4.93	4.92	4.90	4.81	4.72
	0.8	0	5.20	5.12	5.05	4.87	4.69
	3.9	3	5.64	5.44	5.24	4.94	4.65
	7.0	6	6.16	5.76	5.36	4.98	4.61
	10.1	9	6.12	5.73	5.34	4.95	4.57
	13.2	12	6.08	5.69	5.31	4.92	4.53
	16.9	15.5	6.04	5.65	5.26	4.87	4.48

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
Me 10 (m³/min)	10			3.44	2.60	4.12	2.95	4.45	3.03	4.74	3.08	5.31	3.32	5.51	3.23
	12			3.44	2.60	4.12	2.95	4.45	3.03	4.73	3.08	5.29	3.32	5.49	3.22
	14			3.44	2.60	4.12	2.95	4.45	3.03	4.73	3.08	5.27	3.31	5.46	3.21
	16			3.44	2.60	4.12	2.95	4.45	3.03	4.72	3.07	5.25	3.30	5.44	3.21
	18			3.44	2.60	4.12	2.95	4.45	3.03	4.71	3.07	5.23	3.29	5.42	3.19
	20			3.44	2.60	4.12	2.95	4.45	3.03	4.71	3.07	5.21	3.28	5.39	3.18
	22			3.44	2.60	4.12	2.95	4.45	3.03	4.68	3.05	5.15	3.26	5.32	3.16
	24			3.43	2.60	4.11	2.94	4.45	3.03	4.66	3.05	5.08	3.23	5.25	3.12
	26			3.43	2.60	4.09	2.94	4.41	3.01	4.61	3.03	5.00	3.19	5.16	3.09
	28	3.11	2.56	3.43	2.60	4.08	2.93	4.37	3.00	4.55	3.00	4.92	3.16	5.08	3.07
	30	3.11	2.56	3.42	2.59	4.04	2.92	4.33	2.98	4.50	2.98	4.84	3.13	5.01	3.04
	32	3.11	2.56	3.41	2.59	4.01	2.90	4.29	2.96	4.45	2.96	4.77	3.10	4.93	3.01
	34	3.11	2.56	3.40	2.58	4.00	2.90	4.23	2.93	4.38	2.92	4.67	3.06	4.83	2.98
	35	3.11	2.56	3.39	2.58	3.99	2.90	4.20	2.91	4.34	2.90	4.62	3.05	4.78	2.96
	36	3.11	2.56	3.39	2.58	3.96	2.88	4.18	2.91	4.30	2.89	4.54	3.01	4.69	2.92
	38	3.11	2.56	3.38	2.58	3.90	2.86	4.14	2.89	4.22	2.86	4.37	2.95	4.50	2.86
	39	3.11	2.56	3.38	2.58	3.87	2.84	4.12	2.88	4.17	2.84	4.29	2.92	4.41	2.81
	41	3.11	2.56	3.37	2.57	3.76	2.79	3.95	2.81	4.00	2.77	4.10	2.83	4.20	2.75
	43	3.11	2.56	3.35	2.56	3.64	2.74	3.78	2.74	3.82	2.69	3.91	2.77	3.99	2.68

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 10 (m³/min)	-19.8	-20	2.65	2.65	2.65	2.65	2.65
	-17.8	-18	2.82	2.82	2.82	2.82	2.82
	-15.7	-16	2.99	2.99	2.99	2.99	2.99
	-13.7	-14	3.16	3.16	3.16	3.16	3.16
	-11.7	-12	3.33	3.33	3.33	3.33	3.33
	-9.6	-10	3.50	3.50	3.50	3.50	3.50
	-7.5	-8	3.71	3.71	3.71	3.71	3.71
	-5.5	-6	3.93	3.93	3.93	3.93	3.93
	-3.4	-4	4.06	4.06	4.05	4.01	3.97
	-1.3	-2	4.20	4.19	4.18	4.10	4.02
	0.8	0	4.43	4.37	4.30	4.15	4.00
	3.9	3	4.81	4.64	4.46	4.21	3.96
	7.0	6	5.25	4.91	4.57	4.25	3.93
	10.1	9	5.22	4.88	4.55	4.22	3.89
	13.2	12	5.18	4.85	4.52	4.19	3.86
	16.9	15.5	5.14	4.81	4.48	4.15	3.82

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
Lo 9 (m³/min)	10			3.16	2.38	3.77	2.69	4.08	2.77	4.34	2.81	4.87	3.03	5.05	2.95
	12			3.16	2.38	3.77	2.69	4.08	2.77	4.34	2.81	4.85	3.02	5.03	2.94
	14			3.16	2.38	3.77	2.69	4.08	2.77	4.33	2.80	4.83	3.01	5.01	2.93
	16			3.16	2.38	3.77	2.69	4.08	2.77	4.33	2.80	4.81	3.01	4.99	2.92
	18			3.16	2.38	3.77	2.69	4.08	2.77	4.32	2.80	4.80	3.00	4.97	2.92
	20			3.16	2.38	3.77	2.69	4.08	2.77	4.31	2.80	4.78	3.00	4.94	2.90
	22			3.15	2.37	3.77	2.69	4.08	2.77	4.29	2.79	4.72	2.97	4.88	2.88
	24			3.15	2.37	3.77	2.69	4.08	2.77	4.27	2.78	4.66	2.95	4.81	2.85
	26			3.15	2.37	3.75	2.68	4.04	2.75	4.22	2.76	4.58	2.92	4.74	2.83
	28	2.85	2.34	3.14	2.37	3.74	2.68	4.01	2.74	4.17	2.74	4.51	2.89	4.66	2.80
	30	2.85	2.34	3.14	2.37	3.71	2.67	3.97	2.72	4.13	2.72	4.44	2.86	4.59	2.77
	32	2.85	2.34	3.13	2.37	3.68	2.65	3.93	2.70	4.08	2.70	4.37	2.83	4.52	2.74
	34	2.85	2.34	3.12	2.36	3.67	2.65	3.88	2.68	4.01	2.67	4.28	2.79	4.43	2.71
	35	2.85	2.34	3.11	2.35	3.66	2.64	3.85	2.66	3.98	2.66	4.23	2.76	4.38	2.69
	36	2.85	2.34	3.11	2.35	3.63	2.63	3.83	2.66	3.94	2.64	4.16	2.74	4.30	2.67
	38	2.85	2.34	3.10	2.35	3.58	2.61	3.79	2.64	3.87	2.61	4.01	2.69	4.13	2.61
	39	2.85	2.34	3.10	2.35	3.55	2.59	3.78	2.63	3.83	2.59	3.93	2.66	4.04	2.58
	41	2.85	2.34	3.09	2.35	3.44	2.54	3.62	2.56	3.67	2.52	3.76	2.59	3.85	2.51
	43	2.85	2.34	3.08	2.34	3.34	2.50	3.47	2.50	3.51	2.46	3.58	2.52	3.66	2.44

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 9 (m³/min)	-19.8	-20	2.41	2.41	2.41	2.41	2.41
	-17.8	-18	2.57	2.57	2.57	2.57	2.57
	-15.7	-16	2.72	2.72	2.72	2.72	2.72
	-13.7	-14	2.88	2.88	2.88	2.88	2.88
	-11.7	-12	3.03	3.03	3.03	3.03	3.03
	-9.6	-10	3.19	3.19	3.19	3.19	3.19
	-7.5	-8	3.38	3.38	3.38	3.38	3.38
	-5.5	-6	3.57	3.57	3.57	3.57	3.57
	-3.4	-4	3.70	3.69	3.69	3.65	3.62
	-1.3	-2	3.82	3.81	3.80	3.73	3.66
	0.8	0	4.03	3.97	3.92	3.78	3.64
	3.9	3	4.37	4.22	4.06	3.83	3.60
	7.0	6	4.78	4.47	4.16	3.86	3.57
	10.1	9	4.75	4.44	4.14	3.84	3.54
	13.2	12	4.72	4.42	4.11	3.81	3.51
	16.9	15.5	4.68	4.38	4.08	3.78	3.48

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJB001Z731

Model **FDTW71KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
P-Hi	10			5.82	4.29	6.96	4.87	7.53	5.01	8.01	5.09	8.97	5.48	9.31	5.32
	12			5.82	4.29	6.96	4.87	7.53	5.01	8.00	5.09	8.94	5.46	9.27	5.31
	14			5.82	4.29	6.96	4.87	7.53	5.01	7.99	5.08	8.90	5.45	9.23	5.29
	16			5.82	4.29	6.96	4.87	7.53	5.01	7.97	5.08	8.87	5.44	9.19	5.28
	18			5.82	4.29	6.96	4.87	7.53	5.01	7.96	5.07	8.84	5.43	9.15	5.26
	20			5.82	4.29	6.96	4.87	7.53	5.01	7.95	5.07	8.81	5.41	9.11	5.25
	22			5.81	4.29	6.95	4.86	7.53	5.01	7.92	5.06	8.70	5.37	8.99	5.20
14.5	24			5.80	4.28	6.95	4.86	7.53	5.01	7.88	5.04	8.58	5.32	8.86	5.15
(m³/min)	26			5.80	4.28	6.92	4.85	7.46	4.98	7.79	4.99	8.45	5.27	8.73	5.10
	28	5.25	4.20	5.79	4.28	6.89	4.84	7.38	4.94	7.69	4.95	8.31	5.21	8.59	5.05
	30	5.25	4.20	5.78	4.27	6.83	4.80	7.31	4.91	7.60	4.91	8.19	5.16	8.46	5.00
	32	5.25	4.20	5.77	4.27	6.78	4.78	7.24	4.88	7.51	4.87	8.06	5.10	8.33	4.95
	34	5.25	4.20	5.75	4.26	6.76	4.77	7.15	4.83	7.39	4.82	7.89	5.04	8.16	4.89
	35	5.25	4.20	5.74	4.25	6.75	4.76	7.10	4.81	7.33	4.79	7.80	5.00	8.08	4.85
	36	5.25	4.20	5.73	4.25	6.69	4.74	7.06	4.79	7.26	4.76	7.66	4.94	7.92	4.80
	38	5.25	4.20	5.72	4.24	6.59	4.70	6.99	4.75	7.12	4.69	7.38	4.83	7.61	4.66
	39	5.25	4.20	5.71	4.23	6.54	4.67	6.96	4.74	7.05	4.66	7.24	4.77	7.45	4.61
	41	5.25	4.20	5.69	4.23	6.35	4.59	6.67	4.62	6.76	4.55	6.92	4.64	7.10	4.50
	43	5.25	4.20	5.67	4.22	6.15	4.50	6.39	4.50	6.46	4.42	6.60	4.53	6.75	4.38

Heat Mode

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi	-19.8	-20	4.64	4.64	4.64	4.64	4.64
	-17.8	-18	4.94	4.94	4.94	4.94	4.94
	-15.7	-16	5.24	5.24	5.24	5.24	5.24
	-13.7	-14	5.54	5.54	5.54	5.54	5.54
	-11.7	-12	5.83	5.83	5.83	5.83	5.83
	-9.6	-10	6.13	6.13	6.13	6.13	6.13
	-7.5	-8	6.51	6.51	6.51	6.51	6.51
14.5	-5.5	-6	6.88	6.88	6.88	6.88	6.88
(m³/min)	-3.4	-4	7.12	7.11	7.10	7.03	6.96
	-1.3	-2	7.36	7.34	7.32	7.18	7.04
	0.8	0	7.76	7.65	7.54	7.27	7.00
	3.9	3	8.42	8.12	7.82	7.38	6.94
	7.0	6	9.20	8.60	8.00	7.44	6.88
	10.1	9	9.14	8.56	7.97	7.40	6.82
	13.2	12	9.08	8.50	7.92	7.34	6.76
	16.9	15.5	9.01	8.43	7.85	7.27	6.69

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
Hi	10			4.99	3.64	5.96	4.13	6.45	4.25	6.86	4.33	7.68	4.66	7.98	4.52
	12			4.99	3.64	5.96	4.13	6.45	4.25	6.85	4.32	7.66	4.65	7.94	4.51
	14			4.99	3.64	5.96	4.13	6.45	4.25	6.84	4.32	7.63	4.64	7.91	4.50
	16			4.99	3.64	5.96	4.13	6.45	4.25	6.83	4.31	7.60	4.62	7.87	4.48
	18			4.99	3.64	5.96	4.13	6.45	4.25	6.82	4.31	7.57	4.61	7.84	4.47
	20			4.99	3.64	5.96	4.13	6.45	4.25	6.81	4.31	7.54	4.60	7.81	4.46
	22			4.98	3.64	5.96	4.13	6.45	4.25	6.78	4.29	7.45	4.56	7.70	4.41
12	24			4.97	3.63	5.96	4.13	6.45	4.25	6.75	4.28	7.35	4.51	7.59	4.37
(m³/min)	26			4.97	3.63	5.93	4.11	6.39	4.23	6.67	4.24	7.24	4.47	7.48	4.32
	28	4.50	3.56	4.96	3.63	5.90	4.10	6.33	4.19	6.59	4.20	7.12	4.41	7.36	4.27
	30	4.50	3.56	4.95	3.62	5.85	4.08	6.26	4.16	6.51	4.16	7.01	4.36	7.25	4.24
	32	4.50	3.56	4.94	3.62	5.81	4.06	6.20	4.13	6.44	4.14	6.90	4.32	7.14	4.20
	34	4.50	3.56	4.92	3.60	5.79	4.05	6.12	4.10	6.33	4.09	6.76	4.26	6.99	4.14
	35	4.50	3.56	4.91	3.60	5.78	4.05	6.08	4.08	6.28	4.06	6.69	4.24	6.92	4.11
	36	4.50	3.56	4.91	3.60	5.73	4.02	6.05	4.06	6.22	4.04	6.57	4.19	6.78	4.06
	38	4.50	3.56	4.90	3.59	5.65	3.99	5.99	4.04	6.10	3.99	6.33	4.09	6.51	3.96
	39	4.50	3.56	4.89	3.59	5.60	3.96	5.96	4.03	6.04	3.96	6.21	4.04	6.38	3.91
	41	4.50	3.56	4.87	3.58	5.44	3.89	5.72	3.92	5.79	3.85	5.93	3.93	6.08	3.80
	43	4.50	3.56	4.86	3.58	5.27	3.80	5.47	3.81	5.53	3.73	5.65	3.82	5.78	3.70

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi	-19.8	-20	3.89	3.89	3.89	3.89	3.89
	-17.8	-18	4.14	4.14	4.14	4.14	4.14
	-15.7	-16	4.39	4.39	4.39	4.39	4.39
	-13.7	-14	4.64	4.64	4.64	4.64	4.64
	-11.7	-12	4.89	4.89	4.89	4.89	4.89
	-9.6	-10	5.14	5.14	5.14	5.14	5.14
	-7.5	-8	5.46	5.46	5.46	5.46	5.46
12	-5.5	-6	5.77	5.77	5.77	5.77	5.77
(m³/min)	-3.4	-4	5.97	5.96	5.95	5.90	5.84
	-1.3	-2	6.17	6.16	6.14	6.02	5.90
	0.8	0	6.51	6.42	6.32	6.10	5.87
	3.9	3	7.06	6.81	6.56	6.19	5.82
	7.0	6	7.72	7.21	6.71	6.24	5.77
	10.1	9	7.67	7.17	6.68	6.20	5.72
	13.2	12	7.61	7.13	6.64	6.16	5.67
	16.9	15.5	7.56	7.07	6.58	6.10	5.61

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
Me	10			4.27	3.09	5.10	3.51	5.52	3.61	5.87	3.68	6.58	3.97	6.83	3.85
	12			4.27	3.09	5.10	3.51	5.52	3.61	5.86	3.68	6.55	3.95	6.80	3.83
	14			4.27	3.09	5.10	3.51	5.52	3.61	5.85	3.67	6.53	3.94	6.77	3.82
	16			4.27	3.09	5.10	3.51	5.52	3.61	5.85	3.67	6.50	3.93	6.74	3.81
	18			4.27	3.09	5.10	3.51	5.52	3.61	5.84	3.66	6.48	3.92	6.71	3.80
	20			4.27	3.09	5.10	3.51	5.52	3.61	5.83	3.66	6.46	3.91	6.68	3.79
	22			4.26	3.08	5.10	3.51	5.52	3.61	5.80	3.65	6.38	3.88	6.59	3.75
10	24			4.25	3.08	5.10	3.51	5.52	3.61	5.78	3.64	6.29	3.84	6.50	3.72
(m³/min)	26			4.25	3.08	5.07	3.49	5.47	3.59	5.71	3.60	6.19	3.80	6.40	3.67
	28	3.85	3.02	4.25	3.08	5.05	3.48	5.41	3.56	5.64	3.57	6.10	3.76	6.30	3.63
	30	3.85	3.02	4.24	3.07	5.01	3.47	5.36	3.54	5.58	3.54	6.00	3.71	6.20	3.59
	32	3.85	3.02	4.23	3.07	4.97	3.44	5.31	3.52	5.51	3.51	5.91	3.68	6.11	3.56
	34	3.85	3.02	4.21	3.06	4.95	3.44	5.24	3.49	5.42	3.47	5.78	3.62	5.98	3.50
	35	3.85	3.02	4.21	3.06	4.95	3.44	5.21	3.47	5.38	3.46	5.72	3.59	5.92	3.48
	36	3.85	3.02	4.20	3.05	4.91	3.42	5.18	3.46	5.33	3.43	5.62	3.55	5.81	3.44
	38	3.85	3.02	4.19	3.05	4.83	3.38	5.13	3.43	5.22	3.39	5.41	3.47	5.58	3.36
	39	3.85	3.02	4.19	3.05	4.80	3.37	5.10	3.42	5.17	3.36	5.31	3.43	5.46	3.31
	41	3.85	3.02	4.17	3.04	4.65	3.30	4.89	3.32	4.95	3.27	5.08	3.34	5.21	3.22
	43	3.85	3.02	4.16	3.03	4.51	3.23	4.68	3.23	4.74	3.17	4.84	3.24	4.95	3.13

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me	-19.8	-20	3.27	3.27	3.27	3.27	3.27
	-17.8	-18	3.48	3.48	3.48	3.48	3.48
	-15.7	-16	3.69	3.69	3.69	3.69	3.69
	-13.7	-14	3.91	3.91	3.91	3.91	3.91
	-11.7	-12	4.12	4.12	4.12	4.12	4.12
	-9.6	-10	4.33	4.33	4.33	4.33	4.33
	-7.5	-8	4.59	4.59	4.59	4.59	4.59
10	-5.5	-6	4.85	4.85	4.85	4.85	4.85
(m³/min)	-3.4	-4	5.02	5.02	5.01	4.96	4.91
	-1.3	-2	5.19	5.18	5.16	5.07	4.97
	0.8	0	5.47	5.40	5.32	5.13	4.94
	3.9	3	5.94	5.73	5.52	5.21	4.90
	7.0	6	6.49	6.07	5.64	5.25	4.85
	10.1	9	6.45	6.04	5.62	5.22	4.81
	13.2	12	6.41	6.00	5.59	5.18	4.77
	16.9	15.5	6.36	5.95	5.54	5.13	4.72

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
Lo	10			3.89	2.80	4.65	3.19	5.03	3.28	5.35	3.34	5.99	3.60	6.22	3.49
	12			3.89	2.80	4.65	3.19	5.03	3.28	5.34	3.34	5.97	3.59	6.20	3.49
	14			3.89	2.80	4.65	3.19	5.03	3.28	5.34	3.34	5.95	3.58	6.17	3.47
	16			3.89	2.80	4.65	3.19	5.03	3.28	5.33	3.33	5.93	3.57	6.14	3.46
	18			3.89	2.80	4.65	3.19	5.03	3.28	5.32	3.33	5.91	3.57	6.12	3.45
	20			3.89	2.80	4.65	3.19	5.03	3.28	5.32	3.33	5.89	3.56	6.09	3.44
	22			3.88	2.80	4.65	3.19	5.03	3.28	5.29	3.31	5.81	3.52	6.01	3.41
9	24			3.88	2.80	4.65	3.19	5.03	3.28	5.27	3.31	5.74	3.49	5.92	3.37
(m³/min)	26			3.88	2.80	4.62	3.17	4.98	3.25	5.20	3.28	5.65	3.45	5.83	3.33
	28	3.51	2.75	3.87	2.80	4.60	3.16	4.93	3.23	5.14	3.25	5.56	3.41	5.74	3.30
	30	3.51	2.75	3.86	2.79	4.57	3.15	4.89	3.21	5.08	3.21	5.47	3.37	5.66	3.27
	32	3.51	2.75	3.85	2.79	4.53	3.13	4.84	3.19	5.02	3.19	5.39	3.34	5.57	3.23
	34	3.51	2.75	3.84	2.78	4.52	3.13	4.78	3.17	4.94	3.15	5.27	3.29	5.45	3.19
	35	3.51	2.75	3.83	2.78	4.51	3.12	4.75	3.15	4.90	3.14	5.22	3.27	5.40	3.17
	36	3.51	2.75	3.83	2.78	4.47	3.10	4.72	3.14	4.85	3.12	5.12	3.23	5.29	3.12
	38	3.51	2.75	3.82	2.77	4.41	3.07	4.67	3.12	4.76	3.08	4.93	3.14	5.08	3.04
	39	3.51	2.75	3.82	2.77	4.37	3.05	4.65	3.11	4.71	3.05	4.84	3.11	4.98	3.01
	41	3.51	2.75	3.80	2.76	4.24	2.99	4.46	3.02	4.52	2.97	4.63	3.03	4.74	2.92
	43	3.51	2.75	3.79	2.75	4.11	2.94	4.27	2.93	4.32	2.89	4.41	2.94	4.51	2.84

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo	-19.8	-20	2.96	2.96	2.96	2.96	2.96
	-17.8	-18	3.15	3.15	3.15	3.15	3.15
	-15.7	-16	3.34	3.34	3.34	3.34	3.34
	-13.7	-14	3.53	3.53	3.53	3.53	3.53
	-11.7	-12	3.72	3.72	3.72	3.72	3.72
	-9.6	-10	3.91	3.91	3.91	3.91	3.91
	-7.5	-8	4.15	4.15	4.15	4.15	4.15
9	-5.5	-6	4.39	4.39	4.39	4.39	4.39
(m³/min)	-3.4	-4	4.54	4.53	4.53	4.48	4.44
	-1.3	-2	4.69	4.68	4.67	4.58	4.49
	0.8	0	4.95	4.88	4.81	4.64	4.46
	3.9	3	5.37	5.18	4.99	4.71	4.43
	7.0	6	5.87	5.48	5.10	4.74	4.39
	10.1	9	5.83	5.46	5.08	4.72	4.35
	13.2	12	5.79	5.42	5.05	4.68	4.31
	16.9	15.5	5.75	5.38	5.01	4.64	4.27

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJB001Z731

Model **FDTW90KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
	10			7.38	6.08	8.82	6.90	9.54	7.02	10.15	7.14	11.37	7.71	11.80	7.53
	12			7.38	6.08	8.82	6.90	9.54	7.02	10.14	7.14	11.33	7.70	11.75	7.50
	14			7.38	6.08	8.82	6.90	9.54	7.02	10.12	7.13	11.29	7.69	11.70	7.48
	16			7.38	6.08	8.82	6.90	9.54	7.02	10.11	7.13	11.25	7.66	11.65	7.47
	18			7.38	6.08	8.82	6.90	9.54	7.02	10.09	7.12	11.20	7.65	11.60	7.46
P-Hi	20			7.38	6.08	8.82	6.90	9.54	7.02	10.08	7.11	11.16	7.64	11.55	7.43
	22			7.37	6.08	8.82	6.90	9.54	7.02	10.03	7.09	11.02	7.58	11.39	7.37
31	24			7.36	6.07	8.81	6.89	9.54	7.02	9.99	7.08	10.88	7.53	11.24	7.33
(m³/min)	26			7.35	6.07	8.77	6.88	9.45	6.99	9.87	6.99	10.71	7.46	11.06	7.27
	28	6.66	6.01	7.34	6.07	8.73	6.85	9.36	6.96	9.75	6.95	10.54	7.40	10.89	7.21
	30	6.66	6.01	7.33	6.06	8.66	6.83	9.27	6.93	9.64	6.92	10.38	7.33	10.73	7.15
	32	6.66	6.01	7.31	6.06	8.60	6.81	9.18	6.90	9.53	6.89	10.22	7.27	10.56	7.05
	34	6.66	6.01	7.28	6.04	8.57	6.80	9.06	6.85	9.37	6.82	10.00	7.16	10.35	7.00
	35	6.66	6.01	7.27	6.04	8.55	6.77	9.00	6.83	9.30	6.80	9.89	7.13	10.24	6.97
	36	6.66	6.01	7.26	6.04	8.49	6.75	8.96	6.82	9.21	6.77	9.72	7.08	10.04	6.92
	38	6.66	6.01	7.25	6.03	8.36	6.69	8.87	6.77	9.03	6.70	9.36	6.96	9.64	6.79
	39	6.66	6.01	7.24	6.03	8.29	6.67	8.82	6.75	8.94	6.65	9.18	6.90	9.44	6.72
	41	6.66	6.01	7.21	6.02	8.04	6.57	8.46	6.61	8.56	6.50	8.77	6.75	9.00	6.57
	43	6.66	6.01	7.19	6.01	7.80	6.47	8.10	6.46	8.19	6.37	8.37	6.62	8.56	6.44

Heat Mode

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	5.80	5.80	5.80	5.80	5.80
	-17.8	-18	6.17	6.17	6.17	6.17	6.17
	-15.7	-16	6.55	6.55	6.55	6.55	6.55
	-13.7	-14	6.92	6.92	6.92	6.92	6.92
	-11.7	-12	7.29	7.29	7.29	7.29	7.29
P-Hi	-9.6	-10	7.67	7.67	7.67	7.67	7.67
	-7.5	-8	8.13	8.13	8.13	8.13	8.13
31	-5.5	-6	8.60	8.60	8.60	8.60	8.60
(m³/min)	-3.4	-4	8.90	8.89	8.88	8.79	8.70
	-1.3	-2	9.20	9.18	9.15	8.98	8.80
	0.8	0	9.70	9.56	9.43	9.09	8.75
	3.9	3	10.53	10.15	9.78	9.23	8.68
	7.0	6	11.50	10.75	10.00	9.30	8.60
	10.1	9	11.43	10.69	9.96	9.24	8.53
	13.2	12	11.35	10.63	9.90	9.18	8.45
	16.9	15.5	11.26	10.54	9.81	9.09	8.36

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
	10			6.67	5.45	7.97	6.17	8.63	6.31	9.18	6.36	10.28	6.90	10.67	6.73
	12			6.67	5.45	7.97	6.17	8.63	6.31	9.16	6.35	10.24	6.88	10.63	6.72
	14			6.67	5.45	7.97	6.17	8.63	6.31	9.15	6.35	10.21	6.88	10.58	6.69
	16			6.67	5.45	7.97	6.17	8.63	6.31	9.14	6.35	10.17	6.87	10.54	6.68
	18			6.67	5.45	7.97	6.17	8.63	6.31	9.13	6.35	10.13	6.84	10.49	6.67
Hi	20			6.67	5.45	7.97	6.17	8.63	6.31	9.11	6.34	10.09	6.83	10.44	6.64
	22			6.66	5.45	7.97	6.17	8.63	6.31	9.07	6.33	9.97	6.78	10.30	6.60
27	24			6.65	5.44	7.97	6.17	8.63	6.31	9.03	6.31	9.84	6.73	10.16	6.55
(m³/min)	26			6.65	5.44	7.93	6.15	8.54	6.27	8.92	6.28	9.68	6.67	10.00	6.49
	28	6.02	5.37	6.64	5.44	7.89	6.12	8.46	6.24	8.82	6.25	9.53	6.61	9.85	6.44
	30	6.02	5.37	6.62	5.43	7.83	6.10	8.38	6.20	8.72	6.20	9.38	6.55	9.70	6.35
	32	6.02	5.37	6.61	5.43	7.77	6.08	8.30	6.17	8.61	6.15	9.24	6.47	9.55	6.32
	34	6.02	5.37	6.59	5.42	7.74	6.06	8.19	6.12	8.48	6.10	9.04	6.41	9.35	6.27
	35	6.02	5.37	6.57	5.40	7.73	6.06	8.14	6.11	8.41	6.08	8.94	6.38	9.26	6.23
	36	6.02	5.37	6.57	5.40	7.67	6.04	8.10	6.08	8.33	6.05	8.78	6.34	9.08	6.18
	38	6.02	5.37	6.55	5.39	7.56	5.98	8.02	6.05	8.16	5.99	8.46	6.22	8.72	6.06
	39	6.02	5.37	6.54	5.39	7.50	5.96	7.97	6.04	8.08	5.95	8.30	6.16	8.54	6.00
	41	6.02	5.37	6.52	5.38	7.27	5.87	7.65	5.90	7.74	5.81	7.93	6.02	8.14	5.86
	43	6.02	5.37	6.50	5.37	7.05	5.75	7.32	5.74	7.40	5.66	7.57	5.89	7.74	5.69

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	5.17	5.17	5.17	5.17	5.17
	-17.8	-18	5.50	5.50	5.50	5.50	5.50
	-15.7	-16	5.83	5.83	5.83	5.83	5.83
	-13.7	-14	6.17	6.17	6.17	6.17	6.17
	-11.7	-12	6.50	6.50	6.50	6.50	6.50
Hi	-9.6	-10	6.83	6.83	6.83	6.83	6.83
	-7.5	-8	7.25	7.25	7.25	7.25	7.25
27	-5.5	-6	7.66	7.66	7.66	7.66	7.66
(m³/min)	-3.4	-4	7.93	7.92	7.91	7.83	7.75
	-1.3	-2	8.20	8.18	8.15	8.00	7.84
	0.8	0	8.65	8.52	8.40	8.10	7.80
	3.9	3	9.38	9.05	8.71	8.22	7.73
	7.0	6	10.25	9.58	8.91	8.29	7.66
	10.1	9	10.18	9.53	8.88	8.24	7.60
	13.2	12	10.12	9.47	8.82	8.18	7.53
	16.9	15.5	10.04	9.39	8.75	8.10	7.45

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
	10			5.90	4.78	7.05	5.40	7.63	5.53	8.12	5.60	9.09	6.04	9.44	5.90
	12			5.90	4.78	7.05	5.40	7.63	5.53	8.11	5.57	9.06	6.03	9.40	5.88
	14			5.90	4.78	7.05	5.40	7.63	5.53	8.10	5.57	9.03	6.02	9.36	5.87
	16			5.90	4.78	7.05	5.40	7.63	5.53	8.09	5.57	9.00	6.01	9.32	5.86
	18			5.90	4.78	7.05	5.40	7.63	5.53	8.07	5.56	8.96	6.00	9.28	5.83
Me	20			5.90	4.78	7.05	5.40	7.63	5.53	8.06	5.56	8.93	5.99	9.24	5.82
	22			5.89	4.77	7.05	5.40	7.63	5.53	8.03	5.55	8.82	5.95	9.11	5.78
23	24			5.88	4.77	7.05	5.40	7.63	5.53	7.99	5.53	8.70	5.90	8.99	5.73
(m³/min)	26			5.88	4.77	7.02	5.39	7.56	5.50	7.89	5.50	8.57	5.85	8.85	5.68
	28	5.33	4.71	5.87	4.77	6.98	5.37	7.49	5.47	7.80	5.47	8.43	5.80	8.71	5.63
	30	5.33	4.71	5.86	4.76	6.93	5.35	7.41	5.43	7.71	5.43	8.30	5.75	8.58	5.59
	32	5.33	4.71	5.85	4.76	6.88	5.33	7.34	5.41	7.62	5.40	8.17	5.70	8.45	5.51
	34	5.33	4.71	5.83	4.74	6.85	5.32	7.25	5.36	7.50	5.35	8.00	5.64	8.28	5.47
	35	5.33	4.71	5.82	4.74	6.84	5.30	7.20	5.35	7.44	5.32	7.91	5.57	8.19	5.44
	36	5.33	4.71	5.81	4.73	6.79	5.29	7.16	5.34	7.37	5.30	7.77	5.53	8.03	5.41
	38	5.33	4.71	5.80	4.73	6.68	5.24	7.09	5.30	7.22	5.24	7.49	5.44	7.71	5.29
	39	5.33	4.71	5.79	4.72	6.63	5.22	7.05	5.29	7.15	5.21	7.34	5.38	7.55	5.24
	41	5.33	4.71	5.77	4.72	6.43	5.14	6.77	5.17	6.85	5.09	7.02	5.27	7.20	5.12
	43	5.33	4.71	5.75	4.71	6.24	5.04	6.48	5.03	6.55	4.96	6.69	5.16	6.84	5.00

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	4.51	4.51	4.51	4.51	4.51
	-17.8	-18	4.80	4.80	4.80	4.80	4.80
	-15.7	-16	5.09	5.09	5.09	5.09	5.09
	-13.7	-14	5.38	5.38	5.38	5.38	5.38
	-11.7	-12	5.67	5.67	5.67	5.67	5.67
Me	-9.6	-10	5.96	5.96	5.96	5.96	5.96
	-7.5	-8	6.32	6.32	6.32	6.32	6.32
23	-5.5	-6	6.68	6.68	6.68	6.68	6.68
(m³/min)	-3.4	-4	6.92	6.91	6.90	6.83	6.76
	-1.3	-2	7.15	7.13	7.11	6.98	6.84
	0.8	0	7.54	7.43	7.32	7.06	6.80
	3.9	3	8.18	7.89	7.60	7.17	6.74
	7.0	6	8.94	8.35	7.77	7.23	6.68
	10.1	9	8.88	8.31	7.74	7.18	6.63
	13.2	12	8.82	8.26	7.69	7.13	6.57
	16.9	15.5	8.75	8.19	7.63	7.06	6.50

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
	10			5.28	4.24	6.31	4.79	6.83	4.90	7.26	4.98	8.13	5.37	8.45	5.24
	12			5.28	4.24	6.31	4.79	6.83	4.90	7.25	4.97	8.11	5.36	8.41	5.21
	14			5.28	4.24	6.31	4.79	6.83	4.90	7.24	4.97	8.08	5.35	8.37	5.20
	16			5.28	4.24	6.31	4.79	6.83	4.90	7.23	4.96	8.05	5.33	8.34	5.20
	18			5.28	4.24	6.31	4.79	6.83	4.90	7.22	4.95	8.02	5.32	8.30	5.17
Lo	20			5.28	4.24	6.31	4.79	6.83	4.90	7.21	4.95	7.99	5.31	8.26	5.16
	22			5.27	4.21	6.31	4.79	6.83	4.90	7.18	4.94	7.89	5.28	8.15	5.12
20	24			5.26	4.21	6.31	4.79	6.83	4.90	7.15	4.93	7.79	5.24	8.04	5.08
(m³/min)	26			5.26	4.21	6.28	4.78	6.76	4.88	7.06	4.89	7.66	5.19	7.92	5.02
	28	4.77	4.18	5.25	4.21	6.25	4.77	6.70	4.85	6.98	4.86	7.54	5.14	7.79	4.98
	30	4.77	4.18	5.24	4.20	6.20	4.74	6.63	4.83	6.90	4.82	7.43	5.08	7.68	4.96
	32	4.77	4.18	5.23	4.20	6.15	4.71	6.57	4.80	6.82	4.79	7.31	5.04	7.56	4.91
	34	4.77	4.18	5.21	4.19	6.13	4.70	6.48	4.76	6.71	4.75	7.16	5.00	7.40	4.86
	35	4.77	4.18	5.20	4.19	6.12	4.70	6.44	4.74	6.65	4.72	7.08	4.96	7.32	4.84
	36	4.77	4.18	5.20	4.19	6.07	4.68	6.41	4.73	6.59	4.70	6.95	4.92	7.18	4.79
	38	4.77	4.18	5.18	4.18	5.98	4.65	6.34	4.68	6.46	4.63	6.70	4.82	6.90	4.69
	39	4.77	4.18	5.18	4.18	5.93	4.63	6.31	4.67	6.40	4.61	6.57	4.77	6.76	4.65
	41	4.77	4.18	5.16	4.17	5.76	4.56	6.05	4.58	6.13	4.51	6.28	4.67	6.44	4.52
	43	4.77	4.18	5.14	4.16	5.58	4.48	5.80	4.48	5.86	4.40	5.99	4.55	6.12	4.43

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	3.99	3.99	3.99	3.99	3.99
	-17.8	-18	4.24	4.24	4.24	4.24	4.24
	-15.7	-16	4.50	4.50	4.50	4.50	4.50
	-13.7	-14	4.76	4.76	4.76	4.76	4.76
	-11.7	-12	5.01	5.01	5.01	5.01	5.01
Lo	-9.6	-10	5.27	5.27	5.27	5.27	5.27
	-7.5	-8	5.59	5.59	5.59	5.59	5.59
20	-5.5	-6	5.91	5.91	5.91	5.91	5.91
(m³/min)	-3.4	-4	6.12	6.11	6.10	6.04	5.98
	-1.3	-2	6.32	6.31	6.29	6.17	6.05
	0.8	0	6.67	6.57	6.48	6.25	6.02
	3.9	3	7.24	6.98	6.72	6.34	5.96
	7.0	6	7.91	7.39	6.87	6.39	5.91
	10.1	9	7.85	7.35	6.85	6.36	5.86
	13.2	12	7.80	7.30	6.81	6.31	5.81
	16.9	15.5	7.74	7.24	6.75	6.25	5.75

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJB001Z731

Model **FDTW112KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi 31 (m³/min)	10			9.18	7.26	10.97	8.22	11.87	8.42	12.63	8.54	14.15	9.22	14.69	8.95
	12			9.18	7.26	10.97	8.22	11.87	8.42	12.61	8.53	14.10	9.21	14.63	8.93
	14			9.18	7.26	10.97	8.22	11.87	8.42	12.60	8.53	14.05	9.14	14.56	8.91
	16			9.18	7.26	10.97	8.22	11.87	8.42	12.58	8.52	14.00	9.13	14.50	8.89
	18			9.18	7.26	10.97	8.22	11.87	8.42	12.56	8.51	13.94	9.11	14.44	8.88
	20			9.18	7.26	10.97	8.22	11.87	8.42	12.55	8.51	13.89	9.09	14.37	8.86
	22			9.17	7.26	10.97	8.22	11.87	8.42	12.49	8.49	13.72	9.04	14.18	8.79
	24			9.15	7.25	10.97	8.22	11.87	8.42	12.43	8.45	13.54	8.98	13.98	8.71
	26			9.15	7.25	10.92	8.17	11.76	8.38	12.28	8.40	13.33	8.90	13.77	8.65
	28	8.29	7.15	9.14	7.24	10.86	8.14	11.65	8.33	12.14	8.34	13.11	8.81	13.55	8.57
	30	8.29	7.15	9.12	7.23	10.78	8.11	11.54	8.28	12.00	8.27	12.91	8.73	13.35	8.50
	32	8.29	7.15	9.09	7.22	10.70	8.08	11.42	8.23	11.85	8.22	12.71	8.65	13.15	8.42
	34	8.29	7.15	9.06	7.21	10.66	8.07	11.27	8.16	11.66	8.14	12.45	8.55	12.87	8.33
	35	8.29	7.15	9.05	7.21	10.64	8.06	11.20	8.10	11.57	8.11	12.31	8.49	12.74	8.27
	36	8.29	7.15	9.04	7.20	10.56	8.03	11.14	8.08	11.46	8.02	12.09	8.43	12.49	8.15
	38	8.29	7.15	9.02	7.20	10.40	7.97	11.03	8.04	11.24	7.95	11.65	8.22	12.00	8.01
	39	8.29	7.15	9.00	7.19	10.32	7.94	10.98	8.02	11.13	7.91	11.43	8.15	11.75	7.94
	41	8.29	7.15	8.97	7.17	10.01	7.80	10.53	7.84	10.66	7.74	10.92	7.98	11.20	7.75
	43	8.29	7.15	8.94	7.16	9.70	7.67	10.08	7.67	10.19	7.55	10.41	7.81	10.65	7.58

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 31 (m³/min)	-19.8	-20	7.25	7.25	7.25	7.25	7.25
	-17.8	-18	7.72	7.72	7.72	7.72	7.72
	-15.7	-16	8.18	8.18	8.18	8.18	8.18
	-13.7	-14	8.65	8.65	8.65	8.65	8.65
	-11.7	-12	9.12	9.12	9.12	9.12	9.12
	-9.6	-10	9.58	9.58	9.58	9.58	9.58
	-7.5	-8	10.17	10.17	10.17	10.17	10.17
	-5.5	-6	10.75	10.75	10.75	10.75	10.75
	-3.4	-4	11.13	11.11	11.09	10.98	10.88
	-1.3	-2	11.50	11.47	11.44	11.22	11.00
	0.8	0	12.13	11.95	11.78	11.36	10.94
	3.9	3	13.16	12.69	12.22	11.53	10.84
	7.0	6	14.38	13.44	12.50	11.63	10.75
	10.1	9	14.28	13.37	12.45	11.55	10.66
	13.2	12	14.19	13.28	12.38	11.47	10.56
	16.9	15.5	14.08	13.17	12.27	11.36	10.45

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi 27 (m³/min)	10			8.30	6.48	9.92	7.35	10.73	7.51	11.42	7.64	12.79	8.24	13.28	8.02
	12			8.30	6.48	9.92	7.35	10.73	7.51	11.40	7.64	12.75	8.23	13.23	8.01
	14			8.30	6.48	9.92	7.35	10.73	7.51	11.39	7.63	12.70	8.21	13.17	7.98
	16			8.30	6.48	9.92	7.35	10.73	7.51	11.37	7.61	12.65	8.18	13.11	7.96
	18			8.30	6.48	9.92	7.35	10.73	7.51	11.36	7.61	12.61	8.17	13.05	7.94
	20			8.30	6.48	9.92	7.35	10.73	7.51	11.34	7.60	12.56	8.15	13.00	7.91
	22			8.29	6.48	9.92	7.35	10.73	7.51	11.29	7.58	12.40	8.08	12.82	7.86
	24			8.28	6.47	9.92	7.35	10.73	7.51	11.24	7.57	12.24	8.02	12.64	7.79
	26			8.27	6.47	9.87	7.32	10.63	7.47	11.11	7.48	12.05	7.94	12.45	7.72
	28	7.49	6.39	8.26	6.46	9.82	7.30	10.53	7.43	10.97	7.43	11.86	7.87	12.25	7.65
	30	7.49	6.39	8.24	6.45	9.75	7.27	10.43	7.40	10.85	7.39	11.68	7.80	12.07	7.58
	32	7.49	6.39	8.22	6.45	9.67	7.23	10.33	7.35	10.72	7.34	11.50	7.73	11.89	7.48
	34	7.49	6.39	8.20	6.44	9.64	7.22	10.19	7.30	10.55	7.27	11.25	7.60	11.64	7.41
	35	7.49	6.39	8.18	6.43	9.62	7.21	10.13	7.26	10.46	7.24	11.13	7.57	11.52	7.38
	36	7.49	6.39	8.17	6.43	9.55	7.18	10.08	7.24	10.36	7.19	10.93	7.50	11.29	7.31
	38	7.49	6.39	8.15	6.42	9.40	7.12	9.97	7.20	10.16	7.11	10.53	7.36	10.85	7.16
	39	7.49	6.39	8.14	6.41	9.33	7.09	9.92	7.17	10.06	7.07	10.33	7.28	10.62	7.08
	41	7.49	6.39	8.11	6.40	9.05	6.97	9.52	7.02	9.64	6.90	9.87	7.11	10.13	6.91
	43	7.49	6.39	8.08	6.39	8.77	6.84	9.11	6.84	9.21	6.73	9.41	6.94	9.63	6.74

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 27 (m³/min)	-19.8	-20	6.46	6.46	6.46	6.46	6.46
	-17.8	-18	6.88	6.88	6.88	6.88	6.88
	-15.7	-16	7.29	7.29	7.29	7.29	7.29
	-13.7	-14	7.71	7.71	7.71	7.71	7.71
	-11.7	-12	8.13	8.13	8.13	8.13	8.13
	-9.6	-10	8.54	8.54	8.54	8.54	8.54
	-7.5	-8	9.06	9.06	9.06	9.06	9.06
	-5.5	-6	9.58	9.58	9.58	9.58	9.58
	-3.4	-4	9.92	9.90	9.89	9.79	9.69
	-1.3	-2	10.25	10.22	10.19	10.00	9.80
	0.8	0	10.81	10.65	10.50	10.12	9.75
	3.9	3	11.73	11.31	10.89	10.28	9.66
	7.0	6	12.81	11.98	11.14	10.36	9.58
	10.1	9	12.73	11.91	11.10	10.30	9.50
	13.2	12	12.64	11.84	11.03	10.22	9.41
	16.9	15.5	12.55	11.74	10.93	10.12	9.32

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me 23 (m³/min)	10			7.34	5.69	8.78	6.44	9.50	6.59	10.10	6.70	11.32	7.22	11.75	7.03
	12			7.34	5.69	8.78	6.44	9.50	6.59	10.09	6.70	11.28	7.21	11.70	7.01
	14			7.34	5.69	8.78	6.44	9.50	6.59	10.08	6.69	11.24	7.19	11.65	7.00
	16			7.34	5.69	8.78	6.44	9.50	6.59	10.06	6.69	11.19	7.18	11.60	6.97
	18			7.34	5.69	8.78	6.44	9.50	6.59	10.05	6.67	11.15	7.15	11.55	6.96
	20			7.34	5.69	8.78	6.44	9.50	6.59	10.04	6.67	11.11	7.14	11.50	6.94
	22			7.33	5.68	8.78	6.44	9.50	6.59	9.99	6.63	10.97	7.08	11.34	6.88
	24			7.32	5.67	8.77	6.44	9.50	6.59	9.94	6.61	10.83	7.02	11.18	6.82
	26			7.32	5.67	8.73	6.41	9.41	6.56	9.82	6.57	10.66	6.96	11.01	6.76
	28	6.63	5.58	7.31	5.66	8.69	6.40	9.32	6.52	9.71	6.53	10.49	6.89	10.84	6.70
	30	6.63	5.58	7.29	5.66	8.62	6.37	9.23	6.48	9.59	6.48	10.33	6.83	10.68	6.64
	32	6.63	5.58	7.27	5.65	8.56	6.33	9.14	6.44	9.48	6.43	10.17	6.76	10.52	6.55
	34	6.63	5.58	7.25	5.64	8.53	6.32	9.02	6.40	9.33	6.37	9.96	6.66	10.30	6.49
	35	6.63	5.58	7.24	5.63	8.51	6.32	8.96	6.36	9.26	6.34	9.85	6.62	10.19	6.46
	36	6.63	5.58	7.23	5.63	8.45	6.29	8.91	6.34	9.17	6.30	9.67	6.57	9.99	6.40
	38	6.63	5.58	7.21	5.62	8.32	6.23	8.82	6.31	8.99	6.23	9.32	6.44	9.60	6.26
	39	6.63	5.58	7.20	5.62	8.25	6.21	8.78	6.28	8.90	6.19	9.14	6.37	9.40	6.19
	41	6.63	5.58	7.18	5.61	8.01	6.09	8.42	6.14	8.53	6.04	8.73	6.22	8.96	6.04
	43	6.63	5.58	7.15	5.60	7.76	5.99	8.06	5.99	8.15	5.86	8.33	6.07	8.52	5.88

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 23 (m³/min)	-19.8	-20	5.63	5.63	5.63	5.63	5.63
	-17.8	-18	6.00	6.00	6.00	6.00	6.00
	-15.7	-16	6.36	6.36	6.36	6.36	6.36
	-13.7	-14	6.72	6.72	6.72	6.72	6.72
	-11.7	-12	7.09	7.09	7.09	7.09	7.09
	-9.6	-10	7.45	7.45	7.45	7.45	7.45
	-7.5	-8	7.90	7.90	7.90	7.90	7.90
	-5.5	-6	8.35	8.35	8.35	8.35	8.35
	-3.4	-4	8.65	8.63	8.62	8.54	8.45
	-1.3	-2	8.94	8.91	8.89	8.72	8.55
	0.8	0	9.42	9.29	9.16	8.83	8.50
	3.9	3	10.22	9.86	9.50	8.96	8.43
	7.0	6	11.17	10.44	9.71	9.03	8.35
	10.1	9	11.10	10.39	9.68	8.98	8.28
	13.2	12	11.03	10.32	9.62	8.91	8.21
	16.9	15.5	10.94	10.24	9.53	8.83	8.12

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB		23 ℃DB 16 ℃WB		26 ℃DB 18 ℃WB		27 ℃DB 19 ℃WB		28 ℃DB 20 ℃WB		31 ℃DB 22 ℃WB		33 ℃DB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo 20 (m³/min)	10			6.57	5.04	7.85	5.70	8.49	5.85	9.04	5.95	10.12	6.41	10.51	6.24
	12			6.57	5.04	7.85	5.70	8.49	5.85	9.03	5.95	10.09	6.40	10.47	6.23
	14			6.57	5.04	7.85	5.70	8.49	5.85	9.01	5.94	10.05	6.39	10.42	6.20
	16			6.57	5.04	7.85	5.70	8.49	5.85	9.00	5.94	10.01	6.36	10.38	6.19
	18			6.57	5.04	7.85	5.70	8.49	5.85	8.99	5.93	9.98	6.35	10.33	6.17
	20			6.57	5.04	7.85	5.70	8.49	5.85	8.98	5.92	9.94	6.34	10.28	6.15
	22			6.56	5.04	7.85	5.70	8.49	5.85	8.93	5.90	9.81	6.29	10.14	6.07
	24			6.55	5.03	7.85	5.70	8.49	5.85	8.89	5.88	9.69	6.24	10.00	6.03
	26			6.54	5.03	7.81	5.69	8.41	5.82	8.79	5.84	9.54	6.16	9.85	5.99
	28	5.93	4.95	6.54	5.03	7.77	5.65	8.33	5.78	8.68	5.79	9.38	6.10	9.70	5.93
	30	5.93	4.95	6.52	5.01	7.71	5.63	8.25	5.75	8.58	5.75	9.24	6.06	9.55	5.89
	32	5.93	4.95	6.51	5.01	7.65	5.61	8.17	5.71	8.48	5.71	9.10	6.00	9.41	5.84
	34	5.93	4.95	6.49	5.00	7.63	5.60	8.07	5.67	8.35	5.65	8.90	5.93	9.21	5.76
	35	5.93	4.95	6.47	4.99	7.61	5.59	8.01	5.64	8.28	5.63	8.81	5.89	9.11	5.72
	36	5.93	4.95	6.47	4.99	7.56	5.57	7.97	5.61	8.20	5.57	8.65	5.82	8.94	5.66
	38	5.93	4.95	6.45	4.98	7.44	5.53	7.89	5.58	8.04	5.51	8.33	5.70	8.58	5.54
	39	5.93	4.95	6.44	4.98	7.38	5.49	7.85	5.56	7.96	5.48	8.18	5.64	8.41	5.45
	41	5.93	4.95	6.42	4.95	7.16	5.40	7.53	5.43	7.63	5.36	7.81	5.49	8.01	5.34
	43	5.93	4.95	6.40	4.94	6.94	5.31	7.21	5.31	7.29	5.22	7.45	5.38	7.62	5.21

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 20 (m³/min)	-19.8	-20	4.98	4.98	4.98	4.98	4.98
	-17.8	-18	5.31	5.31	5.31	5.31	5.31
	-15.7	-16	5.63	5.63	5.63	5.63	5.63
	-13.7	-14	5.95	5.95	5.95	5.95	5.95
	-11.7	-12	6.27	6.27	6.27	6.27	6.27
	-9.6	-10	6.59	6.59	6.59	6.59	6.59
	-7.5	-8	6.99	6.99	6.99	6.99	6.99
	-5.5	-6	7.39	7.39	7.39	7.39	7.39
	-3.4	-4	7.65	7.64	7.63	7.55	7.48
	-1.3	-2	7.91	7.88	7.86	7.71	7.56
	0.8	0	8.34	8.22	8.10	7.81	7.52
	3.9	3	9.04	8.72	8.40	7.93	7.46
	7.0	6	9.88	9.24	8.59	7.99	7.39
	10.1	9	9.82	9.19	8.56	7.94	7.33
	13.2	12	9.75	9.13	8.51	7.88	7.26
	16.9	15.5	9.68	9.06	8.43	7.81	7.19

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJB001Z731

Model **FDTW140KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
	10			11.48	8.86	13.72	10.03	14.84	10.29	15.79	10.45	17.69	11.26	18.36	10.95
	12			11.48	8.86	13.72	10.03	14.84	10.29	15.77	10.44	17.62	11.23	18.28	10.93
	14			11.48	8.86	13.72	10.03	14.84	10.29	15.75	10.43	17.56	11.21	18.20	10.90
	16			11.48	8.86	13.72	10.03	14.84	10.29	15.72	10.42	17.49	11.18	18.13	10.87
	18			11.48	8.86	13.72	10.03	14.84	10.29	15.70	10.41	17.43	11.16	18.05	10.85
P-Hi	20			11.48	8.86	13.72	10.03	14.84	10.29	15.68	10.40	17.37	11.14	17.97	10.80
	22			11.46	8.85	13.71	10.03	14.84	10.29	15.61	10.37	17.15	11.05	17.72	10.71
31	24			11.44	8.84	13.71	10.03	14.84	10.29	15.54	10.33	16.93	10.95	17.48	10.63
(m³/min)	26			11.43	8.83	13.64	10.00	14.70	10.23	15.35	10.25	16.66	10.85	17.21	10.54
	28	10.36	8.72	11.42	8.83	13.58	9.97	14.56	10.17	15.17	10.18	16.39	10.75	16.94	10.39
	30	10.36	8.72	11.40	8.82	13.48	9.93	14.42	10.11	14.99	10.10	16.14	10.64	16.69	10.31
	32	10.36	8.72	11.37	8.81	13.37	9.88	14.28	10.04	14.82	10.04	15.89	10.51	16.43	10.22
	34	10.36	8.72	11.33	8.79	13.32	9.86	14.09	9.96	14.58	9.92	15.56	10.39	16.09	10.10
	35	10.36	8.72	11.31	8.78	13.30	9.85	14.00	9.92	14.46	9.88	15.39	10.32	15.92	10.04
	36	10.36	8.72	11.30	8.78	13.20	9.81	13.93	9.89	14.32	9.82	15.11	10.22	15.61	9.94
	38	10.36	8.72	11.27	8.76	13.00	9.72	13.79	9.83	14.05	9.71	14.56	10.02	15.00	9.73
	39	10.36	8.72	11.26	8.76	12.90	9.67	13.72	9.80	13.91	9.66	14.28	9.92	14.69	9.63
	41	10.36	8.72	11.22	8.74	12.51	9.50	13.16	9.56	13.32	9.41	13.65	9.69	14.00	9.41
	43	10.36	8.72	11.18	8.72	12.13	9.34	12.60	9.33	12.74	9.18	13.02	9.47	13.31	9.17

Heat Mode

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	9.28	9.28	9.28	9.28	9.28
	-17.8	-18	9.88	9.88	9.88	9.88	9.88
	-15.7	-16	10.47	10.47	10.47	10.47	10.47
	-13.7	-14	11.07	11.07	11.07	11.07	11.07
	-11.7	-12	11.67	11.67	11.67	11.67	11.67
P-Hi	-9.6	-10	12.27	12.27	12.27	12.27	12.27
	-7.5	-8	13.01	13.01	13.01	13.01	13.01
31	-5.5	-6	13.76	13.76	13.76	13.76	13.76
(m³/min)	-3.4	-4	14.24	14.22	14.20	14.06	13.92
	-1.3	-2	14.72	14.68	14.64	14.36	14.08
	0.8	0	15.52	15.30	15.08	14.54	14.00
	3.9	3	16.84	16.24	15.64	14.76	13.88
	7.0	6	18.40	17.20	16.00	14.88	13.76
	10.1	9	18.28	17.11	15.94	14.79	13.64
	13.2	12	18.16	17.00	15.84	14.68	13.52
	16.9	15.5	18.02	16.86	15.70	14.54	13.38

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
	10			10.38	7.75	12.40	8.78	13.42	9.03	14.28	9.17	15.99	9.89	16.60	9.60
	12			10.38	7.75	12.40	8.78	13.42	9.03	14.26	9.16	15.93	9.86	16.53	9.58
	14			10.38	7.75	12.40	8.78	13.42	9.03	14.24	9.15	15.87	9.83	16.46	9.55
	16			10.38	7.75	12.40	8.78	13.42	9.03	14.22	9.15	15.82	9.81	16.39	9.49
	18			10.38	7.75	12.40	8.78	13.42	9.03	14.20	9.14	15.76	9.79	16.32	9.46
Hi	20			10.38	7.75	12.40	8.78	13.42	9.03	14.18	9.13	15.70	9.76	16.25	9.44
	22			10.36	7.74	12.40	8.78	13.42	9.03	14.11	9.10	15.50	9.65	16.02	9.36
27	24			10.35	7.73	12.39	8.77	13.42	9.03	14.05	9.08	15.30	9.57	15.80	9.29
(m³/min)	26			10.34	7.73	12.34	8.75	13.29	8.96	13.88	8.99	15.06	9.48	15.56	9.21
	28	9.37	7.60	10.33	7.72	12.28	8.72	13.16	8.91	13.72	8.92	14.82	9.39	15.32	9.11
	30	9.37	7.60	10.30	7.71	12.18	8.68	13.04	8.85	13.56	8.85	14.60	9.30	15.09	9.02
	32	9.37	7.60	10.28	7.70	12.09	8.63	12.91	8.79	13.40	8.78	14.37	9.22	14.86	8.94
	34	9.37	7.60	10.24	7.67	12.05	8.61	12.74	8.71	13.18	8.69	14.07	9.09	14.55	8.83
	35	9.37	7.60	10.23	7.67	12.03	8.61	12.66	8.68	13.08	8.65	13.91	9.02	14.40	8.76
	36	9.37	7.60	10.22	7.66	11.93	8.56	12.59	8.65	12.95	8.59	13.66	8.92	14.12	8.67
	38	9.37	7.60	10.19	7.65	11.75	8.48	12.47	8.60	12.70	8.48	13.16	8.73	13.56	8.46
	39	9.37	7.60	10.18	7.64	11.66	8.44	12.40	8.56	12.57	8.43	12.91	8.64	13.28	8.37
	41	9.37	7.60	10.14	7.63	11.31	8.28	11.90	8.34	12.05	8.21	12.34	8.41	12.66	8.11
	43	9.37	7.60	10.11	7.61	10.96	8.11	11.39	8.10	11.52	7.97	11.77	8.17	12.03	7.91

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	8.27	8.27	8.27	8.27	8.27
	-17.8	-18	8.80	8.80	8.80	8.80	8.80
	-15.7	-16	9.34	9.34	9.34	9.34	9.34
	-13.7	-14	9.87	9.87	9.87	9.87	9.87
	-11.7	-12	10.40	10.40	10.40	10.40	10.40
Hi	-9.6	-10	10.93	10.93	10.93	10.93	10.93
	-7.5	-8	11.60	11.60	11.60	11.60	11.60
27	-5.5	-6	12.26	12.26	12.26	12.26	12.26
(m³/min)	-3.4	-4	12.69	12.67	12.66	12.53	12.41
	-1.3	-2	13.12	13.08	13.05	12.80	12.55
	0.8	0	13.83	13.64	13.44	12.96	12.48
	3.9	3	15.01	14.47	13.94	13.15	12.37
	7.0	6	16.40	15.33	14.26	13.26	12.26
	10.1	9	16.29	15.25	14.21	13.18	12.16
	13.2	12	16.19	15.15	14.12	13.08	12.05
	16.9	15.5	16.06	15.03	13.99	12.96	11.92

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
	10			9.18	6.78	10.97	7.69	11.87	7.91	12.63	8.05	14.15	8.66	14.69	8.41
	12			9.18	6.78	10.97	7.69	11.87	7.91	12.61	8.04	14.10	8.64	14.63	8.39
	14			9.18	6.78	10.97	7.69	11.87	7.91	12.59	8.03	14.04	8.61	14.56	8.37
	16			9.18	6.78	10.97	7.69	11.87	7.91	12.58	8.03	13.99	8.59	14.50	8.35
	18			9.18	6.78	10.97	7.69	11.87	7.91	12.56	8.02	13.94	8.58	14.44	8.33
Me	20			9.18	6.78	10.97	7.69	11.87	7.91	12.54	8.01	13.89	8.56	14.37	8.29
	22			9.17	6.78	10.97	7.69	11.87	7.91	12.49	7.98	13.72	8.49	14.18	8.22
23	24			9.15	6.77	10.96	7.69	11.87	7.91	12.43	7.95	13.54	8.41	13.98	8.14
(m³/min)	26			9.15	6.77	10.91	7.65	11.76	7.86	12.28	7.89	13.33	8.32	13.76	8.05
	28	8.29	6.65	9.14	6.76	10.86	7.62	11.65	7.81	12.13	7.82	13.11	8.22	13.55	7.98
	30	8.29	6.65	9.12	6.75	10.78	7.59	11.53	7.75	11.99	7.76	12.91	8.15	13.35	7.90
	32	8.29	6.65	9.09	6.73	10.69	7.55	11.42	7.71	11.85	7.70	12.71	8.06	13.14	7.82
	34	8.29	6.65	9.06	6.72	10.66	7.54	11.27	7.64	11.66	7.62	12.44	7.95	12.87	7.71
	35	8.29	6.65	9.05	6.72	10.64	7.53	11.20	7.58	11.57	7.57	12.31	7.90	12.74	7.67
	36	8.29	6.65	9.04	6.71	10.56	7.50	11.14	7.56	11.46	7.51	12.09	7.81	12.49	7.58
	38	8.29	6.65	9.01	6.70	10.40	7.43	11.03	7.51	11.24	7.42	11.65	7.64	12.00	7.38
	39	8.29	6.65	9.00	6.69	10.32	7.39	10.97	7.49	11.12	7.37	11.43	7.52	11.75	7.29
	41	8.29	6.65	8.97	6.68	10.01	7.25	10.53	7.31	10.66	7.18	10.92	7.34	11.20	7.12
	43	8.29	6.65	8.94	6.66	9.70	7.11	10.08	7.11	10.19	6.99	10.41	7.15	10.65	6.93

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	7.21	7.21	7.21	7.21	7.21
	-17.8	-18	7.68	7.68	7.68	7.68	7.68
	-15.7	-16	8.14	8.14	8.14	8.14	8.14
	-13.7	-14	8.61	8.61	8.61	8.61	8.61
	-11.7	-12	9.07	9.07	9.07	9.07	9.07
Me	-9.6	-10	9.53	9.53	9.53	9.53	9.53
	-7.5	-8	10.11	10.11	10.11	10.11	10.11
23	-5.5	-6	10.69	10.69	10.69	10.69	10.69
(m³/min)	-3.4	-4	11.07	11.05	11.04	10.93	10.82
	-1.3	-2	11.44	11.41	11.38	11.16	10.94
	0.8	0	12.06	11.89	11.72	11.30	10.88
	3.9	3	13.09	12.62	12.16	11.47	10.79
	7.0	6	14.30	13.37	12.43	11.56	10.69
	10.1	9	14.21	13.30	12.39	11.49	10.60
	13.2	12	14.11	13.21	12.31	11.41	10.51
	16.9	15.5	14.00	13.10	12.20	11.30	10.40

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	SHC	23 ℃DB 16 ℃WB TC	SHC	26 ℃DB 18 ℃WB TC	SHC	27 ℃DB 19 ℃WB TC	SHC	28 ℃DB 20 ℃WB TC	SHC	31 ℃DB 22 ℃WB TC	SHC	33 ℃DB 24 ℃WB TC	SHC
	10			8.21	6.01	9.82	6.83	10.62	7.02	11.30	7.15	12.65	7.70	13.14	7.48
	12			8.21	6.01	9.82	6.83	10.62	7.02	11.28	7.14	12.61	7.68	13.08	7.45
	14			8.21	6.01	9.82	6.83	10.62	7.02	11.27	7.14	12.56	7.66	13.03	7.43
	16			8.21	6.01	9.82	6.83	10.62	7.02	11.25	7.13	12.52	7.64	12.97	7.41
	18			8.21	6.01	9.82	6.83	10.62	7.02	11.24	7.12	12.47	7.62	12.91	7.38
Lo	20			8.21	6.01	9.82	6.83	10.62	7.02	11.22	7.11	12.43	7.60	12.86	7.37
	22			8.20	6.01	9.81	6.83	10.62	7.02	11.17	7.09	12.27	7.53	12.68	7.27
20	24			8.19	6.00	9.81	6.83	10.62	7.02	11.12	7.06	12.11	7.46	12.51	7.21
(m³/min)	26			8.18	6.00	9.76	6.80	10.52	6.98	10.99	7.01	11.92	7.37	12.31	7.14
	28	7.41	5.89	8.17	5.99	9.72	6.78	10.42	6.93	10.85	6.94	11.73	7.30	12.12	7.08
	30	7.41	5.89	8.15	5.98	9.64	6.74	10.32	6.89	10.73	6.88	11.55	7.23	11.94	7.00
	32	7.41	5.89	8.13	5.97	9.57	6.71	10.22	6.84	10.60	6.83	11.37	7.15	11.76	6.93
	34	7.41	5.89	8.11	5.97	9.53	6.69	10.08	6.78	10.43	6.75	11.13	7.05	11.51	6.85
	35	7.41	5.89	8.09	5.96	9.52	6.69	10.02	6.75	10.35	6.72	11.01	7.00	11.39	6.79
	36	7.41	5.89	8.08	5.95	9.44	6.65	9.97	6.72	10.25	6.68	10.81	6.92	11.17	6.71
	38	7.41	5.89	8.06	5.94	9.30	6.59	9.87	6.68	10.05	6.59	10.42	6.77	10.73	6.55
	39	7.41	5.89	8.05	5.93	9.23	6.56	9.82	6.66	9.95	6.55	10.22	6.68	10.51	6.47
	41	7.41	5.89	8.03	5.92	8.95	6.41	9.42	6.48	9.53	6.36	9.77	6.51	10.02	6.30
	43	7.41	5.89	8.00	5.91	8.68	6.29	9.02	6.29	9.11	6.18	9.31	6.32	9.52	6.10

Air flow	outdoor temp DB	WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	6.38	6.38	6.38	6.38	6.38
	-17.8	-18	6.79	6.79	6.79	6.79	6.79
	-15.7	-16	7.20	7.20	7.20	7.20	7.20
	-13.7	-14	7.61	7.61	7.61	7.61	7.61
	-11.7	-12	8.02	8.02	8.02	8.02	8.02
Lo	-9.6	-10	8.43	8.43	8.43	8.43	8.43
	-7.5	-8	8.95	8.95	8.95	8.95	8.95
20	-5.5	-6	9.46	9.46	9.46	9.46	9.46
(m³/min)	-3.4	-4	9.79	9.78	9.76	9.67	9.57
	-1.3	-2	10.12	10.09	10.06	9.87	9.68
	0.8	0	10.67	10.52	10.37	10.00	9.62
	3.9	3	11.58	11.16	10.75	10.15	9.54
	7.0	6	12.65	11.82	11.00	10.23	9.46
	10.1	9	12.57	11.76	10.96	10.17	9.38
	13.2	12	12.48	11.69	10.89	10.09	9.29
	16.9	15.5	12.39	11.59	10.79	10.00	9.20

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJB001Z731

(d) Ceiling cassette-1 way compact type (FDTQ)

Model FDTQ22KXE6F Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
P-Hi 8 (m³/min)	10			1.80	1.58	2.16	1.78	2.33	1.82	2.48	1.84	2.78	1.99	2.89	1.95
	12			1.80	1.58	2.16	1.78	2.33	1.82	2.48	1.84	2.77	1.99	2.87	1.94
	14			1.80	1.58	2.16	1.78	2.33	1.82	2.47	1.84	2.76	1.98	2.86	1.94
	16			1.80	1.58	2.16	1.78	2.33	1.82	2.47	1.84	2.75	1.98	2.85	1.93
	18			1.80	1.58	2.16	1.78	2.33	1.82	2.47	1.84	2.74	1.98	2.84	1.93
	20			1.80	1.58	2.16	1.78	2.33	1.82	2.46	1.83	2.73	1.98	2.82	1.91
	22			1.80	1.58	2.15	1.78	2.33	1.82	2.45	1.83	2.69	1.96	2.78	1.90
	24			1.80	1.58	2.15	1.78	2.33	1.82	2.44	1.83	2.66	1.94	2.75	1.89
	26			1.80	1.58	2.14	1.77	2.31	1.81	2.41	1.82	2.62	1.92	2.70	1.88
	28	1.63	1.56	1.80	1.58	2.13	1.77	2.29	1.81	2.38	1.80	2.58	1.91	2.66	1.87
	30	1.63	1.56	1.79	1.57	2.12	1.77	2.27	1.79	2.36	1.80	2.54	1.90	2.62	1.86
	32	1.63	1.56	1.79	1.57	2.10	1.76	2.24	1.78	2.33	1.77	2.50	1.89	2.58	1.84
	34	1.63	1.56	1.78	1.57	2.09	1.76	2.21	1.77	2.29	1.76	2.44	1.87	2.53	1.83
	35	1.63	1.56	1.78	1.57	2.09	1.76	2.20	1.76	2.27	1.75	2.42	1.86	2.50	1.82
	36	1.63	1.56	1.78	1.57	2.07	1.75	2.19	1.76	2.25	1.75	2.37	1.84	2.45	1.80
	38	1.63	1.56	1.77	1.57	2.04	1.74	2.17	1.75	2.21	1.73	2.29	1.81	2.36	1.77
	39	1.63	1.56	1.77	1.57	2.03	1.73	2.16	1.75	2.19	1.73	2.24	1.80	2.31	1.76
	41	1.63	1.56	1.76	1.56	1.97	1.71	2.07	1.71	2.09	1.69	2.14	1.76	2.20	1.72
	43	1.63	1.56	1.76	1.56	1.91	1.69	1.98	1.68	2.00	1.66	2.05	1.73	2.09	1.69

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 8 (m³/min)	-19.8	-20	1.45	1.45	1.45	1.45	1.45
	-17.8	-18	1.54	1.54	1.54	1.54	1.54
	-15.7	-16	1.64	1.64	1.64	1.64	1.64
	-13.7	-14	1.73	1.73	1.73	1.73	1.73
	-11.7	-12	1.82	1.82	1.82	1.82	1.82
	-9.6	-10	1.92	1.92	1.92	1.92	1.92
	-7.5	-8	2.03	2.03	2.03	2.03	2.03
	-5.5	-6	2.15	2.15	2.15	2.15	2.15
	-3.4	-4	2.23	2.22	2.22	2.20	2.18
	-1.3	-2	2.30	2.29	2.29	2.24	2.20
	0.8	0	2.43	2.39	2.36	2.27	2.19
	3.9	3	2.63	2.54	2.44	2.31	2.17
	7.0	6	2.88	2.69	2.50	2.33	2.15
	10.1	9	2.86	2.67	2.49	2.31	2.13
	13.2	12	2.84	2.66	2.48	2.29	2.11
	16.9	15.5	2.82	2.63	2.45	2.27	2.09

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 7 (m³/min)	10			1.76	1.48	2.11	1.67	2.28	1.70	2.42	1.73	2.72	1.87	2.82	1.82
	12			1.76	1.48	2.11	1.67	2.28	1.70	2.42	1.73	2.71	1.87	2.81	1.82
	14			1.76	1.48	2.11	1.67	2.28	1.70	2.42	1.73	2.70	1.86	2.80	1.82
	16			1.76	1.48	2.11	1.67	2.28	1.70	2.41	1.73	2.69	1.86	2.78	1.81
	18			1.76	1.48	2.11	1.67	2.28	1.70	2.41	1.73	2.68	1.86	2.77	1.81
	20			1.76	1.48	2.11	1.67	2.28	1.70	2.41	1.73	2.67	1.86	2.76	1.80
	22			1.76	1.48	2.11	1.67	2.28	1.70	2.40	1.72	2.63	1.84	2.72	1.78
	24			1.76	1.48	2.11	1.67	2.28	1.70	2.39	1.72	2.60	1.83	2.68	1.77
	26			1.76	1.48	2.10	1.67	2.26	1.70	2.36	1.70	2.56	1.80	2.64	1.76
	28	1.59	1.46	1.75	1.48	2.09	1.67	2.24	1.69	2.33	1.69	2.52	1.79	2.60	1.75
	30	1.59	1.46	1.75	1.48	2.07	1.66	2.21	1.68	2.30	1.68	2.48	1.78	2.56	1.74
	32	1.59	1.46	1.75	1.48	2.05	1.65	2.19	1.67	2.28	1.67	2.44	1.77	2.52	1.72
	34	1.59	1.46	1.74	1.47	2.05	1.65	2.16	1.66	2.24	1.66	2.39	1.75	2.47	1.71
	35	1.59	1.46	1.74	1.47	2.04	1.64	2.15	1.66	2.22	1.65	2.36	1.74	2.45	1.70
	36	1.59	1.46	1.74	1.47	2.03	1.64	2.14	1.65	2.20	1.64	2.32	1.72	2.40	1.68
	38	1.59	1.46	1.73	1.47	2.00	1.63	2.12	1.65	2.16	1.63	2.24	1.70	2.30	1.65
	39	1.59	1.46	1.73	1.47	1.98	1.62	2.11	1.64	2.14	1.62	2.19	1.68	2.26	1.64
	41	1.59	1.46	1.72	1.46	1.92	1.59	2.02	1.60	2.05	1.58	2.10	1.65	2.15	1.60
	43	1.59	1.46	1.72	1.46	1.86	1.57	1.94	1.57	1.96	1.55	2.00	1.61	2.04	1.55

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 7 (m³/min)	-19.8	-20	1.42	1.42	1.42	1.42	1.42
	-17.8	-18	1.51	1.51	1.51	1.51	1.51
	-15.7	-16	1.60	1.60	1.60	1.60	1.60
	-13.7	-14	1.70	1.70	1.70	1.70	1.70
	-11.7	-12	1.79	1.79	1.79	1.79	1.79
	-9.6	-10	1.88	1.88	1.88	1.88	1.88
	-7.5	-8	1.99	1.99	1.99	1.99	1.99
	-5.5	-6	2.11	2.11	2.11	2.11	2.11
	-3.4	-4	2.18	2.18	2.17	2.15	2.13
	-1.3	-2	2.25	2.25	2.24	2.20	2.16
	0.8	0	2.38	2.34	2.31	2.23	2.14
	3.9	3	2.58	2.49	2.39	2.26	2.13
	7.0	6	2.82	2.63	2.45	2.28	2.11
	10.1	9	2.80	2.62	2.44	2.26	2.09
	13.2	12	2.78	2.60	2.43	2.25	2.07
	16.9	15.5	2.76	2.58	2.40	2.23	2.05

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 6 (m³/min)	10			1.69	1.35	2.02	1.53	2.18	1.56	2.32	1.58	2.60	1.70	2.70	1.66
	12			1.69	1.35	2.02	1.53	2.18	1.56	2.32	1.58	2.59	1.70	2.69	1.66
	14			1.69	1.35	2.02	1.53	2.18	1.56	2.32	1.58	2.58	1.70	2.68	1.66
	16			1.69	1.35	2.02	1.53	2.18	1.56	2.31	1.58	2.57	1.69	2.67	1.65
	18			1.69	1.35	2.02	1.53	2.18	1.56	2.31	1.58	2.56	1.69	2.66	1.65
	20			1.69	1.35	2.02	1.53	2.18	1.56	2.31	1.58	2.56	1.69	2.64	1.64
	22			1.69	1.35	2.02	1.53	2.18	1.56	2.30	1.58	2.52	1.68	2.61	1.63
	24			1.68	1.34	2.02	1.53	2.18	1.56	2.29	1.57	2.49	1.66	2.57	1.62
	26			1.68	1.34	2.01	1.52	2.16	1.55	2.26	1.56	2.45	1.65	2.53	1.60
	28	1.52	1.32	1.68	1.34	2.00	1.52	2.14	1.54	2.23	1.55	2.41	1.63	2.49	1.59
	30	1.52	1.32	1.68	1.34	1.98	1.51	2.12	1.53	2.21	1.54	2.38	1.62	2.46	1.58
	32	1.52	1.32	1.67	1.34	1.97	1.51	2.10	1.53	2.18	1.53	2.34	1.61	2.42	1.57
	34	1.52	1.32	1.67	1.34	1.96	1.50	2.07	1.51	2.15	1.51	2.29	1.59	2.37	1.55
	35	1.52	1.32	1.66	1.34	1.96	1.50	2.06	1.51	2.13	1.50	2.26	1.58	2.34	1.54
	36	1.52	1.32	1.66	1.34	1.94	1.49	2.05	1.51	2.11	1.50	2.22	1.56	2.30	1.52
	38	1.52	1.32	1.66	1.34	1.91	1.47	2.03	1.50	2.07	1.48	2.14	1.53	2.21	1.49
	39	1.52	1.32	1.66	1.34	1.90	1.47	2.02	1.49	2.05	1.47	2.10	1.52	2.16	1.48
	41	1.52	1.32	1.65	1.33	1.84	1.45	1.94	1.46	1.96	1.43	2.01	1.49	2.06	1.44
	43	1.52	1.32	1.64	1.33	1.78	1.42	1.85	1.42	1.87	1.40	1.92	1.45	1.96	1.41

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 6 (m³/min)	-19.8	-20	1.35	1.35	1.35	1.35	1.35
	-17.8	-18	1.44	1.44	1.44	1.44	1.44
	-15.7	-16	1.53	1.53	1.53	1.53	1.53
	-13.7	-14	1.61	1.61	1.61	1.61	1.61
	-11.7	-12	1.70	1.70	1.70	1.70	1.70
	-9.6	-10	1.79	1.79	1.79	1.79	1.79
	-7.5	-8	1.90	1.90	1.90	1.90	1.90
	-5.5	-6	2.00	2.00	2.00	2.00	2.00
	-3.4	-4	2.07	2.07	2.07	2.05	2.03
	-1.3	-2	2.14	2.14	2.13	2.09	2.05
	0.8	0	2.26	2.23	2.20	2.12	2.04
	3.9	3	2.45	2.36	2.28	2.15	2.02
	7.0	6	2.68	2.50	2.33	2.17	2.00
	10.1	9	2.66	2.49	2.32	2.15	1.99
	13.2	12	2.64	2.48	2.31	2.14	1.97
	16.9	15.5	2.62	2.46	2.29	2.12	1.95

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 5 (m³/min)	10			1.58	1.22	1.89	1.38	2.05	1.42	2.18	1.44	2.44	1.55	2.53	1.51
	12			1.58	1.22	1.89	1.38	2.05	1.42	2.17	1.44	2.43	1.55	2.52	1.51
	14			1.58	1.22	1.89	1.38	2.05	1.42	2.17	1.44	2.42	1.54	2.51	1.50
	16			1.58	1.22	1.89	1.38	2.05	1.42	2.17	1.44	2.41	1.54	2.50	1.50
	18			1.58	1.22	1.89	1.38	2.05	1.42	2.16	1.43	2.40	1.54	2.49	1.50
	20			1.58	1.22	1.89	1.38	2.05	1.42	2.16	1.43	2.39	1.53	2.48	1.49
	22			1.58	1.22	1.89	1.38	2.05	1.42	2.15	1.43	2.36	1.52	2.44	1.48
	24			1.58	1.22	1.89	1.38	2.05	1.42	2.14	1.42	2.33	1.51	2.41	1.47
	26			1.58	1.22	1.88	1.38	2.03	1.41	2.12	1.42	2.30	1.50	2.37	1.45
	28	1.43	1.20	1.57	1.21	1.87	1.37	2.01	1.40	2.09	1.40	2.26	1.48	2.34	1.44
	30	1.43	1.20	1.57	1.21	1.86	1.37	1.99	1.39	2.07	1.39	2.23	1.47	2.30	1.43
	32	1.43	1.20	1.57	1.21	1.84	1.36	1.97	1.38	2.04	1.38	2.19	1.46	2.27	1.41
	34	1.43	1.20	1.56	1.21	1.84	1.36	1.94	1.37	2.01	1.37	2.14	1.43	2.22	1.39
	35	1.43	1.20	1.56	1.21	1.83	1.36	1.93	1.37	1.99	1.36	2.12	1.43	2.20	1.39
	36	1.43	1.20	1.56	1.21	1.82	1.35	1.92	1.36	1.97	1.35	2.08	1.41	2.15	1.37
	38	1.43	1.20	1.55	1.21	1.79	1.34	1.90	1.36	1.94	1.34	2.01	1.39	2.07	1.35
	39	1.43	1.20	1.55	1.21	1.78	1.34	1.89	1.35	1.92	1.33	1.97	1.37	2.02	1.33
	41	1.43	1.20	1.55	1.21	1.72	1.31	1.81	1.32	1.84	1.30	1.88	1.34	1.93	1.30
	43	1.43	1.20	1.54	1.20	1.67	1.29	1.74	1.29	1.76	1.27	1.79	1.30	1.83	1.26

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 5 (m³/min)	-19.8	-20	1.25	1.25	1.25	1.25	1.25
	-17.8	-18	1.33	1.33	1.33	1.33	1.33
	-15.7	-16	1.41	1.41	1.41	1.41	1.41
	-13.7	-14	1.49	1.49	1.49	1.49	1.49
	-11.7	-12	1.58	1.58	1.58	1.58	1.58
	-9.6	-10	1.66	1.66	1.66	1.66	1.66
	-7.5	-8	1.76	1.76	1.76	1.76	1.76
	-5.5	-6	1.86	1.86	1.86	1.86	1.86
	-3.4	-4	1.92	1.92	1.92	1.90	1.88
	-1.3	-2	1.99	1.98	1.98	1.94	1.90
	0.8	0	2.10	2.07	2.04	1.96	1.89
	3.9	3	2.27	2.19	2.11	1.99	1.87
	7.0	6	2.48	2.32	2.16	2.01	1.86
	10.1	9	2.47	2.31	2.15	2.00	1.84
	13.2	12	2.45	2.30	2.14	1.98	1.83
	16.9	15.5	2.43	2.28	2.12	1.96	1.81

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJC001Z334

Model **FDTQ28KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
P-Hi 8 (m³/min)	10			2.30	1.91	2.74	2.15	2.97	2.21	3.16	2.23	3.54	2.41	3.67	2.35
	12			2.30	1.91	2.74	2.15	2.97	2.21	3.15	2.23	3.52	2.40	3.66	2.34
	14			2.30	1.91	2.74	2.15	2.97	2.21	3.15	2.23	3.51	2.40	3.64	2.34
	16			2.30	1.91	2.74	2.15	2.97	2.21	3.14	2.23	3.50	2.40	3.63	2.34
	18			2.30	1.91	2.74	2.15	2.97	2.21	3.14	2.23	3.49	2.39	3.61	2.33
	20			2.30	1.91	2.74	2.15	2.97	2.21	3.14	2.23	3.47	2.38	3.59	2.32
	22			2.29	1.90	2.74	2.15	2.97	2.21	3.12	2.21	3.43	2.37	3.54	2.30
	24			2.29	1.90	2.74	2.15	2.97	2.21	3.11	2.21	3.39	2.35	3.50	2.29
	26			2.29	1.90	2.73	2.15	2.94	2.19	3.07	2.20	3.33	2.33	3.44	2.27
	28	2.07	1.88	2.28	1.90	2.72	2.15	2.91	2.18	3.03	2.18	3.28	2.31	3.39	2.25
	30	2.07	1.88	2.28	1.90	2.70	2.14	2.88	2.17	3.00	2.17	3.23	2.29	3.34	2.23
	32	2.07	1.88	2.27	1.90	2.67	2.12	2.86	2.16	2.96	2.15	3.18	2.27	3.29	2.22
	34	2.07	1.88	2.27	1.90	2.66	2.12	2.82	2.14	2.92	2.13	3.11	2.25	3.22	2.19
	35	2.07	1.88	2.26	1.89	2.66	2.12	2.80	2.13	2.89	2.12	3.08	2.24	3.18	2.18
	36	2.07	1.88	2.26	1.89	2.64	2.11	2.79	2.13	2.86	2.11	3.02	2.22	3.12	2.16
	38	2.07	1.88	2.25	1.89	2.60	2.10	2.76	2.12	2.81	2.09	2.91	2.18	3.00	2.11
	39	2.07	1.88	2.25	1.89	2.58	2.09	2.74	2.11	2.78	2.08	2.86	2.16	2.94	2.09
	41	2.07	1.88	2.24	1.88	2.50	2.05	2.63	2.07	2.66	2.03	2.73	2.11	2.80	2.05
	43	2.07	1.88	2.24	1.88	2.43	2.02	2.52	2.02	2.55	1.99	2.60	2.06	2.66	2.01

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 8 (m³/min)	-19.8	-20	1.86	1.86	1.86	1.86	1.86
	-17.8	-18	1.98	1.98	1.98	1.98	1.98
	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
	-5.5	-6	2.75	2.75	2.75	2.75	2.75
	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 7 (m³/min)	10			2.24	1.78	2.68	2.02	2.89	2.06	3.08	2.09	3.45	2.25	3.58	2.20
	12			2.24	1.78	2.68	2.02	2.89	2.06	3.07	2.09	3.44	2.25	3.57	2.19
	14			2.24	1.78	2.68	2.02	2.89	2.06	3.07	2.09	3.42	2.24	3.55	2.19
	16			2.24	1.78	2.68	2.02	2.89	2.06	3.07	2.09	3.41	2.24	3.53	2.18
	18			2.24	1.78	2.68	2.02	2.89	2.06	3.06	2.08	3.40	2.24	3.52	2.17
	20			2.24	1.78	2.68	2.02	2.89	2.06	3.06	2.08	3.39	2.23	3.50	2.17
	22			2.23	1.78	2.67	2.01	2.89	2.06	3.04	2.08	3.34	2.21	3.46	2.16
	24			2.23	1.78	2.67	2.01	2.89	2.06	3.03	2.07	3.30	2.20	3.41	2.14
	26			2.23	1.78	2.66	2.01	2.87	2.05	2.99	2.05	3.25	2.18	3.36	2.12
	28	2.02	1.75	2.23	1.78	2.65	2.00	2.84	2.04	2.96	2.04	3.20	2.16	3.30	2.10
	30	2.02	1.75	2.22	1.77	2.63	1.99	2.81	2.03	2.92	2.02	3.15	2.14	3.25	2.08
	32	2.02	1.75	2.22	1.77	2.61	1.99	2.78	2.01	2.89	2.01	3.10	2.12	3.20	2.06
	34	2.02	1.75	2.21	1.77	2.60	1.98	2.75	2.00	2.84	1.99	3.03	2.10	3.14	2.04
	35	2.02	1.75	2.21	1.77	2.59	1.98	2.73	1.99	2.82	1.98	3.00	2.08	3.11	2.03
	36	2.02	1.75	2.20	1.76	2.57	1.97	2.72	1.99	2.79	1.97	2.95	2.06	3.04	2.01
	38	2.02	1.75	2.20	1.76	2.53	1.95	2.69	1.97	2.74	1.95	2.84	2.02	2.92	1.97
	39	2.02	1.75	2.19	1.76	2.52	1.95	2.68	1.97	2.71	1.94	2.79	2.00	2.86	1.93
	41	2.02	1.75	2.19	1.76	2.44	1.91	2.57	1.93	2.60	1.90	2.66	1.95	2.73	1.90
	43	2.02	1.75	2.18	1.75	2.36	1.88	2.46	1.88	2.48	1.85	2.54	1.91	2.60	1.86

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 7 (m³/min)	-19.8	-20	1.80	1.80	1.80	1.80	1.80
	-17.8	-18	1.92	1.92	1.92	1.92	1.92
	-15.7	-16	2.04	2.04	2.04	2.04	2.04
	-13.7	-14	2.15	2.15	2.15	2.15	2.15
	-11.7	-12	2.27	2.27	2.27	2.27	2.27
	-9.6	-10	2.38	2.38	2.38	2.38	2.38
	-7.5	-8	2.53	2.53	2.53	2.53	2.53
	-5.5	-6	2.67	2.67	2.67	2.67	2.67
	-3.4	-4	2.77	2.76	2.76	2.73	2.71
	-1.3	-2	2.86	2.85	2.85	2.79	2.74
	0.8	0	3.02	2.97	2.93	2.83	2.72
	3.9	3	3.27	3.16	3.04	2.87	2.70
	7.0	6	3.58	3.34	3.11	2.89	2.67
	10.1	9	3.55	3.33	3.10	2.87	2.65
	13.2	12	3.53	3.30	3.08	2.85	2.63
	16.9	15.5	3.50	3.28	3.05	2.83	2.60

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 6 (m³/min)	10			2.11	1.62	2.52	1.83	2.72	1.87	2.90	1.90	3.25	2.05	3.37	2.00
	12			2.11	1.62	2.52	1.83	2.72	1.87	2.89	1.90	3.23	2.04	3.36	1.99
	14			2.11	1.62	2.52	1.83	2.72	1.87	2.89	1.90	3.22	2.04	3.34	1.98
	16			2.11	1.62	2.52	1.83	2.72	1.87	2.89	1.90	3.21	2.04	3.33	1.98
	18			2.11	1.62	2.52	1.83	2.72	1.87	2.88	1.90	3.20	2.03	3.31	1.97
	20			2.11	1.62	2.52	1.83	2.72	1.87	2.88	1.90	3.19	2.03	3.30	1.97
	22			2.10	1.61	2.52	1.83	2.72	1.87	2.87	1.89	3.15	2.01	3.25	1.95
	24			2.10	1.61	2.52	1.83	2.72	1.87	2.85	1.88	3.11	2.00	3.21	1.93
	26			2.10	1.61	2.50	1.82	2.70	1.86	2.82	1.86	3.06	1.97	3.16	1.91
	28	1.90	1.58	2.10	1.61	2.49	1.82	2.67	1.85	2.78	1.85	3.01	1.95	3.11	1.90
	30	1.90	1.58	2.09	1.60	2.47	1.80	2.65	1.84	2.75	1.84	2.96	1.93	3.06	1.88
	32	1.90	1.58	2.09	1.60	2.45	1.80	2.62	1.83	2.72	1.83	2.92	1.92	3.02	1.86
	34	1.90	1.58	2.08	1.60	2.45	1.80	2.59	1.81	2.68	1.81	2.86	1.90	2.95	1.84
	35	1.90	1.58	2.08	1.60	2.44	1.79	2.57	1.81	2.66	1.80	2.83	1.88	2.92	1.83
	36	1.90	1.58	2.07	1.60	2.42	1.78	2.56	1.80	2.63	1.79	2.77	1.86	2.87	1.81
	38	1.90	1.58	2.07	1.60	2.39	1.77	2.53	1.79	2.58	1.77	2.67	1.82	2.75	1.77
	39	1.90	1.58	2.07	1.60	2.37	1.76	2.52	1.78	2.55	1.76	2.62	1.80	2.70	1.75
	41	1.90	1.58	2.06	1.59	2.30	1.73	2.42	1.74	2.45	1.71	2.51	1.76	2.57	1.71
	43	1.90	1.58	2.05	1.59	2.23	1.70	2.31	1.69	2.34	1.67	2.39	1.72	2.44	1.66

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 6 (m³/min)	-19.8	-20	1.68	1.68	1.68	1.68	1.68
	-17.8	-18	1.79	1.79	1.79	1.79	1.79
	-15.7	-16	1.90	1.90	1.90	1.90	1.90
	-13.7	-14	2.01	2.01	2.01	2.01	2.01
	-11.7	-12	2.12	2.12	2.12	2.12	2.12
	-9.6	-10	2.22	2.22	2.22	2.22	2.22
	-7.5	-8	2.36	2.36	2.36	2.36	2.36
	-5.5	-6	2.49	2.49	2.49	2.49	2.49
	-3.4	-4	2.58	2.58	2.57	2.55	2.52
	-1.3	-2	2.67	2.66	2.65	2.60	2.55
	0.8	0	2.81	2.77	2.73	2.64	2.54
	3.9	3	3.05	2.94	2.83	2.68	2.52
	7.0	6	3.34	3.12	2.90	2.70	2.49
	10.1	9	3.31	3.10	2.89	2.68	2.47
	13.2	12	3.29	3.08	2.87	2.66	2.45
	16.9	15.5	3.27	3.06	2.85	2.64	2.43

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 5 (m³/min)	10			1.93	1.44	2.31	1.63	2.50	1.68	2.66	1.70	2.98	1.84	3.10	1.79
	12			1.93	1.44	2.31	1.63	2.50	1.68	2.66	1.70	2.97	1.83	3.08	1.78
	14			1.93	1.44	2.31	1.63	2.50	1.68	2.65	1.70	2.96	1.83	3.07	1.77
	16			1.93	1.44	2.31	1.63	2.50	1.68	2.65	1.70	2.95	1.82	3.06	1.77
	18			1.93	1.44	2.31	1.63	2.50	1.68	2.65	1.70	2.94	1.82	3.04	1.76
	20			1.93	1.44	2.31	1.63	2.50	1.68	2.64	1.70	2.93	1.82	3.03	1.76
	22			1.93	1.44	2.31	1.63	2.50	1.68	2.63	1.69	2.89	1.80	2.99	1.74
	24			1.93	1.44	2.31	1.63	2.50	1.68	2.62	1.69	2.85	1.78	2.95	1.73
	26			1.93	1.44	2.30	1.63	2.48	1.67	2.59	1.67	2.81	1.77	2.90	1.71
	28	1.75	1.41	1.93	1.44	2.29	1.62	2.45	1.65	2.56	1.66	2.76	1.75	2.86	1.70
	30	1.75	1.41	1.92	1.43	2.27	1.61	2.43	1.65	2.53	1.65	2.72	1.73	2.81	1.68
	32	1.75	1.41	1.92	1.43	2.25	1.60	2.41	1.64	2.50	1.63	2.68	1.71	2.77	1.66
	34	1.75	1.41	1.91	1.43	2.25	1.60	2.38	1.62	2.46	1.62	2.62	1.69	2.71	1.64
	35	1.75	1.41	1.91	1.43	2.24	1.60	2.36	1.61	2.44	1.61	2.59	1.68	2.68	1.63
	36	1.75	1.41	1.90	1.42	2.23	1.60	2.35	1.61	2.41	1.60	2.55	1.66	2.63	1.61
	38	1.75	1.41	1.90	1.42	2.19	1.58	2.32	1.60	2.37	1.58	2.45	1.62	2.53	1.57
	39	1.75	1.41	1.90	1.42	2.17	1.57	2.31	1.59	2.34	1.57	2.41	1.60	2.48	1.55
	41	1.75	1.41	1.89	1.42	2.11	1.54	2.22	1.55	2.25	1.53	2.30	1.56	2.36	1.51
	43	1.75	1.41	1.88	1.41	2.04	1.51	2.12	1.51	2.15	1.48	2.19	1.52	2.24	1.47

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 5 (m³/min)	-19.8	-20	1.52	1.52	1.52	1.52	1.52
	-17.8	-18	1.62	1.62	1.62	1.62	1.62
	-15.7	-16	1.72	1.72	1.72	1.72	1.72
	-13.7	-14	1.81	1.81	1.81	1.81	1.81
	-11.7	-12	1.91	1.91	1.91	1.91	1.91
	-9.6	-10	2.01	2.01	2.01	2.01	2.01
	-7.5	-8	2.13	2.13	2.13	2.13	2.13
	-5.5	-6	2.25	2.25	2.25	2.25	2.25
	-3.4	-4	2.33	2.33	2.33	2.30	2.28
	-1.3	-2	2.41	2.40	2.40	2.35	2.31
	0.8	0	2.54	2.51	2.47	2.38	2.29
	3.9	3	2.76	2.66	2.56	2.42	2.27
	7.0	6	3.01	2.82	2.62	2.44	2.25
	10.1	9	2.99	2.80	2.61	2.42	2.23
	13.2	12	2.97	2.78	2.59	2.40	2.21
	16.9	15.5	2.95	2.76	2.57	2.38	2.19

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJC001Z334

Model **FDTQ36KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
P-Hi 8 (m³/min)	10			2.95	2.24	3.53	2.54	3.82	2.61	4.06	2.65	4.55	2.86	4.72	2.78
	12			2.95	2.24	3.53	2.54	3.82	2.61	4.05	2.65	4.53	2.85	4.70	2.77
	14			2.95	2.24	3.53	2.54	3.82	2.61	4.05	2.65	4.51	2.84	4.68	2.76
	16			2.95	2.24	3.53	2.54	3.82	2.61	4.04	2.64	4.50	2.84	4.66	2.75
	18			2.95	2.24	3.53	2.54	3.82	2.61	4.04	2.64	4.48	2.83	4.64	2.75
	20			2.95	2.24	3.53	2.54	3.82	2.61	4.03	2.64	4.47	2.83	4.62	2.74
	22			2.95	2.24	3.53	2.54	3.82	2.61	4.01	2.63	4.41	2.80	4.56	2.72
	24			2.94	2.24	3.52	2.54	3.82	2.61	3.99	2.61	4.35	2.78	4.49	2.69
	26			2.94	2.24	3.51	2.53	3.78	2.59	3.95	2.60	4.28	2.75	4.43	2.67
	28	2.66	2.20	2.94	2.24	3.49	2.53	3.74	2.57	3.90	2.58	4.22	2.72	4.36	2.64
	30	2.66	2.20	2.93	2.23	3.47	2.52	3.71	2.56	3.86	2.56	4.15	2.70	4.29	2.62
	32	2.66	2.20	2.92	2.23	3.44	2.50	3.67	2.54	3.81	2.54	4.09	2.67	4.23	2.60
	34	2.66	2.20	2.91	2.23	3.43	2.50	3.62	2.52	3.75	2.52	4.00	2.64	4.14	2.55
	35	2.66	2.20	2.91	2.23	3.42	2.50	3.60	2.51	3.72	2.51	3.96	2.61	4.09	2.54
	36	2.66	2.20	2.91	2.23	3.39	2.48	3.58	2.50	3.68	2.49	3.89	2.59	4.02	2.52
	38	2.66	2.20	2.90	2.22	3.34	2.46	3.55	2.49	3.61	2.46	3.74	2.53	3.86	2.46
	39	2.66	2.20	2.89	2.22	3.32	2.45	3.53	2.48	3.58	2.45	3.67	2.51	3.78	2.43
	41	2.66	2.20	2.88	2.21	3.22	2.40	3.38	2.42	3.43	2.38	3.51	2.45	3.60	2.37
	43	2.66	2.20	2.87	2.20	3.12	2.36	3.24	2.36	3.28	2.32	3.35	2.39	3.42	2.31

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 8 (m³/min)	-19.8	-20	2.32	2.32	2.32	2.32	2.32
	-17.8	-18	2.47	2.47	2.47	2.47	2.47
	-15.7	-16	2.62	2.62	2.62	2.62	2.62
	-13.7	-14	2.77	2.77	2.77	2.77	2.77
	-11.7	-12	2.92	2.92	2.92	2.92	2.92
	-9.6	-10	3.07	3.07	3.07	3.07	3.07
	-7.5	-8	3.25	3.25	3.25	3.25	3.25
	-5.5	-6	3.44	3.44	3.44	3.44	3.44
	-3.4	-4	3.56	3.56	3.55	3.52	3.48
	-1.3	-2	3.68	3.67	3.66	3.59	3.52
	0.8	0	3.88	3.83	3.77	3.64	3.50
	3.9	3	4.21	4.06	3.91	3.69	3.47
	7.0	6	4.60	4.30	4.00	3.72	3.44
	10.1	9	4.57	4.28	3.99	3.70	3.41
	13.2	12	4.54	4.25	3.96	3.67	3.38
	16.9	15.5	4.51	4.22	3.93	3.64	3.35

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 7 (m³/min)	10			2.86	2.11	3.42	2.40	3.70	2.46	3.94	2.51	4.41	2.70	4.58	2.62
	12			2.86	2.11	3.42	2.40	3.70	2.46	3.93	2.50	4.39	2.69	4.56	2.62
	14			2.86	2.11	3.42	2.40	3.70	2.46	3.93	2.50	4.38	2.69	4.54	2.61
	16			2.86	2.11	3.42	2.40	3.70	2.46	3.92	2.50	4.36	2.68	4.52	2.60
	18			2.86	2.11	3.42	2.40	3.70	2.46	3.91	2.49	4.35	2.68	4.50	2.59
	20			2.86	2.11	3.42	2.40	3.70	2.46	3.91	2.49	4.33	2.67	4.48	2.58
	22			2.86	2.11	3.42	2.40	3.70	2.46	3.89	2.48	4.27	2.64	4.42	2.55
	24			2.85	2.11	3.42	2.40	3.70	2.46	3.87	2.48	4.22	2.62	4.36	2.53
	26			2.85	2.11	3.40	2.39	3.66	2.45	3.83	2.46	4.15	2.58	4.29	2.50
	28	2.58	2.07	2.85	2.11	3.39	2.38	3.63	2.43	3.78	2.43	4.09	2.56	4.22	2.48
	30	2.58	2.07	2.84	2.10	3.36	2.37	3.59	2.41	3.74	2.42	4.02	2.53	4.16	2.46
	32	2.58	2.07	2.83	2.10	3.33	2.35	3.56	2.40	3.69	2.39	3.96	2.51	4.10	2.44
	34	2.58	2.07	2.82	2.09	3.32	2.35	3.51	2.38	3.63	2.37	3.88	2.48	4.01	2.40
	35	2.58	2.07	2.82	2.09	3.32	2.35	3.49	2.37	3.61	2.36	3.84	2.46	3.97	2.39
	36	2.58	2.07	2.82	2.09	3.29	2.34	3.47	2.36	3.57	2.34	3.77	2.43	3.89	2.36
	38	2.58	2.07	2.81	2.09	3.24	2.31	3.44	2.34	3.50	2.31	3.63	2.38	3.74	2.30
	39	2.58	2.07	2.81	2.09	3.22	2.30	3.42	2.34	3.47	2.30	3.56	2.35	3.66	2.28
	41	2.58	2.07	2.80	2.08	3.12	2.26	3.28	2.27	3.32	2.24	3.40	2.29	3.49	2.22
	43	2.58	2.07	2.79	2.08	3.02	2.21	3.14	2.21	3.18	2.17	3.24	2.23	3.32	2.16

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 7 (m³/min)	-19.8	-20	2.26	2.26	2.26	2.26	2.26
	-17.8	-18	2.40	2.40	2.40	2.40	2.40
	-15.7	-16	2.55	2.55	2.55	2.55	2.55
	-13.7	-14	2.69	2.69	2.69	2.69	2.69
	-11.7	-12	2.84	2.84	2.84	2.84	2.84
	-9.6	-10	2.98	2.98	2.98	2.98	2.98
	-7.5	-8	3.16	3.16	3.16	3.16	3.16
	-5.5	-6	3.35	3.35	3.35	3.35	3.35
	-3.4	-4	3.46	3.46	3.45	3.42	3.38
	-1.3	-2	3.58	3.57	3.56	3.49	3.42
	0.8	0	3.77	3.72	3.67	3.54	3.40
	3.9	3	4.09	3.95	3.80	3.59	3.37
	7.0	6	4.47	4.18	3.89	3.62	3.35
	10.1	9	4.44	4.16	3.88	3.60	3.32
	13.2	12	4.42	4.13	3.85	3.57	3.29
	16.9	15.5	4.38	4.10	3.82	3.54	3.25

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 6 (m³/min)	10			2.66	1.91	3.17	2.17	3.43	2.23	3.65	2.27	4.09	2.45	4.25	2.38
	12			2.66	1.91	3.17	2.17	3.43	2.23	3.65	2.27	4.08	2.45	4.23	2.37
	14			2.66	1.91	3.17	2.17	3.43	2.23	3.64	2.27	4.06	2.44	4.21	2.36
	16			2.66	1.91	3.17	2.17	3.43	2.23	3.64	2.27	4.05	2.43	4.19	2.35
	18			2.66	1.91	3.17	2.17	3.43	2.23	3.63	2.26	4.03	2.42	4.18	2.35
	20			2.66	1.91	3.17	2.17	3.43	2.23	3.63	2.26	4.02	2.42	4.16	2.34
	22			2.65	1.91	3.17	2.17	3.43	2.23	3.61	2.26	3.97	2.40	4.10	2.32
	24			2.65	1.91	3.17	2.17	3.43	2.23	3.60	2.25	3.92	2.38	4.04	2.29
	26			2.65	1.91	3.16	2.16	3.40	2.22	3.55	2.23	3.86	2.35	3.98	2.27
	28	2.40	1.87	2.64	1.90	3.14	2.15	3.37	2.20	3.51	2.21	3.79	2.32	3.92	2.25
	30	2.40	1.87	2.64	1.90	3.12	2.14	3.34	2.19	3.47	2.19	3.74	2.30	3.86	2.22
	32	2.40	1.87	2.63	1.90	3.09	2.13	3.30	2.17	3.43	2.17	3.68	2.27	3.80	2.20
	34	2.40	1.87	2.62	1.89	3.08	2.12	3.26	2.15	3.37	2.15	3.60	2.24	3.72	2.16
	35	2.40	1.87	2.62	1.89	3.08	2.12	3.24	2.14	3.35	2.14	3.56	2.21	3.69	2.15
	36	2.40	1.87	2.61	1.89	3.05	2.11	3.22	2.13	3.32	2.12	3.50	2.19	3.61	2.12
	38	2.40	1.87	2.61	1.89	3.01	2.09	3.19	2.12	3.25	2.09	3.37	2.14	3.47	2.07
	39	2.40	1.87	2.60	1.88	2.99	2.08	3.18	2.11	3.22	2.08	3.31	2.12	3.40	2.05
	41	2.40	1.87	2.60	1.88	2.90	2.04	3.05	2.06	3.08	2.02	3.16	2.06	3.24	1.99
	43	2.40	1.87	2.59	1.88	2.81	2.00	2.92	2.00	2.95	1.96	3.01	2.00	3.08	1.93

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 6 (m³/min)	-19.8	-20	2.10	2.10	2.10	2.10	2.10
	-17.8	-18	2.23	2.23	2.23	2.23	2.23
	-15.7	-16	2.37	2.37	2.37	2.37	2.37
	-13.7	-14	2.51	2.51	2.51	2.51	2.51
	-11.7	-12	2.64	2.64	2.64	2.64	2.64
	-9.6	-10	2.78	2.78	2.78	2.78	2.78
	-7.5	-8	2.94	2.94	2.94	2.94	2.94
	-5.5	-6	3.11	3.11	3.11	3.11	3.11
	-3.4	-4	3.22	3.22	3.21	3.18	3.15
	-1.3	-2	3.33	3.32	3.31	3.25	3.19
	0.8	0	3.51	3.46	3.41	3.29	3.17
	3.9	3	3.81	3.67	3.54	3.34	3.14
	7.0	6	4.16	3.89	3.62	3.37	3.11
	10.1	9	4.14	3.87	3.61	3.35	3.09
	13.2	12	4.11	3.85	3.58	3.32	3.06
	16.9	15.5	4.08	3.81	3.55	3.29	3.03

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 5 (m³/min)	10			2.39	1.68	2.85	1.91	3.08	1.97	3.28	2.01	3.68	2.17	3.82	2.10
	12			2.39	1.68	2.85	1.91	3.08	1.97	3.28	2.01	3.66	2.16	3.80	2.09
	14			2.39	1.68	2.85	1.91	3.08	1.97	3.27	2.00	3.65	2.15	3.78	2.08
	16			2.39	1.68	2.85	1.91	3.08	1.97	3.27	2.00	3.64	2.15	3.77	2.08
	18			2.39	1.68	2.85	1.91	3.08	1.97	3.26	2.00	3.62	2.14	3.75	2.07
	20			2.39	1.68	2.85	1.91	3.08	1.97	3.26	2.00	3.61	2.13	3.73	2.06
	22			2.38	1.67	2.85	1.91	3.08	1.97	3.24	1.99	3.56	2.11	3.68	2.04
	24			2.38	1.67	2.85	1.91	3.08	1.97	3.23	1.99	3.52	2.09	3.63	2.02
	26			2.38	1.67	2.84	1.90	3.06	1.96	3.19	1.97	3.46	2.07	3.58	2.00
	28	2.15	1.64	2.37	1.67	2.82	1.89	3.03	1.94	3.15	1.95	3.41	2.04	3.52	1.97
	30	2.15	1.64	2.37	1.67	2.80	1.88	3.00	1.93	3.12	1.93	3.36	2.02	3.47	1.95
	32	2.15	1.64	2.36	1.66	2.78	1.87	2.97	1.91	3.08	1.91	3.30	2.00	3.42	1.93
	34	2.15	1.64	2.36	1.66	2.77	1.87	2.93	1.90	3.03	1.89	3.23	1.96	3.35	1.91
	35	2.15	1.64	2.35	1.66	2.76	1.86	2.91	1.89	3.01	1.88	3.20	1.95	3.31	1.89
	36	2.15	1.64	2.35	1.66	2.74	1.85	2.90	1.88	2.98	1.87	3.14	1.92	3.25	1.86
	38	2.15	1.64	2.34	1.65	2.70	1.83	2.87	1.87	2.92	1.84	3.03	1.88	3.12	1.81
	39	2.15	1.64	2.34	1.65	2.68	1.82	2.85	1.86	2.89	1.83	2.97	1.85	3.05	1.78
	41	2.15	1.64	2.33	1.65	2.60	1.78	2.74	1.81	2.77	1.77	2.84	1.80	2.91	1.73
	43	2.15	1.64	2.32	1.64	2.52	1.75	2.62	1.75	2.65	1.72	2.71	1.74	2.77	1.68

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 5 (m³/min)	-19.8	-20	1.86	1.86	1.86	1.86	1.86
	-17.8	-18	1.98	1.98	1.98	1.98	1.98
	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
	-5.5	-6	2.75	2.75	2.75	2.75	2.75
	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJC001Z334

(e) Ceiling cassette-1 way type (FDTS)

Model **FDTS45KXE6D** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi 16 (m³/min)	10			3.69	3.54	4.41	4.01	4.77	4.08	5.07	4.11	5.68	4.45	5.90	4.35
	12			3.69	3.54	4.41	4.01	4.77	4.08	5.07	4.11	5.66	4.44	5.88	4.35
	14			3.69	3.54	4.41	4.01	4.77	4.08	5.06	4.11	5.64	4.43	5.85	4.34
	16			3.69	3.54	4.41	4.01	4.77	4.08	5.05	4.11	5.62	4.43	5.83	4.33
	18			3.69	3.54	4.41	4.01	4.77	4.08	5.05	4.11	5.60	4.42	5.80	4.32
	20			3.69	3.54	4.41	4.01	4.77	4.08	5.04	4.10	5.58	4.41	5.78	4.32
	22			3.68	3.53	4.41	4.01	4.77	4.08	5.02	4.10	5.51	4.39	5.70	4.29
	24			3.68	3.53	4.41	4.01	4.77	4.08	4.99	4.09	5.44	4.37	5.62	4.27
	26			3.68	3.53	4.39	4.00	4.73	4.06	4.93	4.06	5.35	4.34	5.53	4.24
	28	3.33	3.20	3.67	3.52	4.37	3.99	4.68	4.04	4.88	4.05	5.27	4.31	5.44	4.21
	30	3.33	3.20	3.66	3.51	4.33	3.98	4.64	4.02	4.82	4.02	5.19	4.28	5.36	4.19
	32	3.33	3.20	3.65	3.50	4.30	3.97	4.59	4.01	4.76	3.99	5.11	4.26	5.28	4.17
	34	3.33	3.20	3.64	3.49	4.28	3.96	4.53	3.98	4.69	3.97	5.00	4.22	5.17	4.13
	35	3.33	3.20	3.64	3.49	4.28	3.96	4.50	3.97	4.65	3.96	4.95	4.21	5.12	4.12
	36	3.33	3.20	3.63	3.48	4.24	3.94	4.48	3.97	4.60	3.94	4.86	4.18	5.02	4.09
	38	3.33	3.20	3.62	3.48	4.18	3.92	4.43	3.95	4.52	3.91	4.68	4.12	4.82	4.03
	39	3.33	3.20	3.62	3.48	4.15	3.91	4.41	3.94	4.47	3.89	4.59	4.09	4.72	4.00
	41	3.33	3.20	3.61	3.47	4.02	3.86	4.23	3.87	4.28	3.83	4.39	4.03	4.50	3.92
	43	3.33	3.20	3.59	3.45	3.90	3.74	4.05	3.80	4.09	3.75	4.18	3.95	4.28	3.86

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 16 (m³/min)	-19.8	-20	2.90	2.90	2.90	2.90	2.90
	-17.8	-18	3.09	3.09	3.09	3.09	3.09
	-15.7	-16	3.27	3.27	3.27	3.27	3.27
	-13.7	-14	3.46	3.46	3.46	3.46	3.46
	-11.7	-12	3.65	3.65	3.65	3.65	3.65
	-9.6	-10	3.83	3.83	3.83	3.83	3.83
	-7.5	-8	4.07	4.07	4.07	4.07	4.07
	-5.5	-6	4.30	4.30	4.30	4.30	4.30
	-3.4	-4	4.45	4.44	4.44	4.39	4.35
	-1.3	-2	4.60	4.59	4.58	4.49	4.40
	0.8	0	4.85	4.78	4.71	4.54	4.38
	3.9	3	5.26	5.08	4.89	4.61	4.34
	7.0	6	5.75	5.38	5.00	4.65	4.30
	10.1	9	5.71	5.35	4.98	4.62	4.26
	13.2	12	5.68	5.31	4.95	4.59	4.23
	16.9	15.5	5.63	5.27	4.91	4.54	4.18

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi 14 (m³/min)	10			3.63	3.27	4.34	3.70	4.70	3.78	5.00	3.81	5.60	4.13	5.81	4.01
	12			3.63	3.27	4.34	3.70	4.70	3.78	4.99	3.81	5.58	4.12	5.79	4.00
	14			3.63	3.27	4.34	3.70	4.70	3.78	4.98	3.80	5.56	4.11	5.76	3.99
	16			3.63	3.27	4.34	3.70	4.70	3.78	4.98	3.80	5.54	4.11	5.74	3.99
	18			3.63	3.27	4.34	3.70	4.70	3.78	4.97	3.80	5.52	4.10	5.71	3.98
	20			3.63	3.27	4.34	3.70	4.70	3.78	4.96	3.80	5.50	4.09	5.69	3.97
	22			3.63	3.27	4.34	3.70	4.70	3.78	4.94	3.79	5.43	4.05	5.61	3.95
	24			3.62	3.26	4.34	3.70	4.70	3.78	4.92	3.78	5.36	4.02	5.53	3.92
	26			3.62	3.26	4.32	3.69	4.65	3.75	4.86	3.76	5.27	3.99	5.45	3.90
	28	3.28	3.15	3.61	3.26	4.30	3.69	4.61	3.73	4.80	3.74	5.19	3.97	5.36	3.87
	30	3.28	3.15	3.61	3.26	4.26	3.67	4.56	3.71	4.74	3.71	5.11	3.94	5.28	3.84
	32	3.28	3.15	3.60	3.25	4.23	3.66	4.52	3.70	4.69	3.69	5.03	3.91	5.20	3.82
	34	3.28	3.15	3.59	3.25	4.22	3.65	4.46	3.68	4.61	3.66	4.92	3.87	5.09	3.79
	35	3.28	3.15	3.58	3.25	4.21	3.65	4.43	3.67	4.58	3.65	4.87	3.86	5.04	3.77
	36	3.28	3.15	3.58	3.25	4.18	3.64	4.41	3.66	4.53	3.63	4.78	3.83	4.94	3.74
	38	3.28	3.15	3.57	3.24	4.11	3.61	4.36	3.64	4.44	3.60	4.61	3.77	4.75	3.68
	39	3.28	3.15	3.56	3.24	4.08	3.59	4.34	3.63	4.40	3.59	4.52	3.74	4.65	3.65
	41	3.28	3.15	3.55	3.23	3.96	3.55	4.16	3.56	4.22	3.52	4.32	3.68	4.43	3.59
	43	3.28	3.15	3.54	3.23	3.84	3.50	3.99	3.50	4.03	3.45	4.12	3.61	4.21	3.52

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 14 (m³/min)	-19.8	-20	2.81	2.81	2.81	2.81	2.81
	-17.8	-18	2.99	2.99	2.99	2.99	2.99
	-15.7	-16	3.18	3.18	3.18	3.18	3.18
	-13.7	-14	3.36	3.36	3.36	3.36	3.36
	-11.7	-12	3.54	3.54	3.54	3.54	3.54
	-9.6	-10	3.72	3.72	3.72	3.72	3.72
	-7.5	-8	3.94	3.94	3.94	3.94	3.94
	-5.5	-6	4.17	4.17	4.17	4.17	4.17
	-3.4	-4	4.32	4.31	4.30	4.26	4.22
	-1.3	-2	4.46	4.45	4.44	4.35	4.27
	0.8	0	4.70	4.64	4.57	4.41	4.24
	3.9	3	5.10	4.92	4.74	4.47	4.21
	7.0	6	5.58	5.21	4.85	4.51	4.17
	10.1	9	5.54	5.19	4.83	4.48	4.13
	13.2	12	5.50	5.15	4.80	4.45	4.10
	16.9	15.5	5.46	5.11	4.76	4.41	4.06

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me 12 (m³/min)	10			3.35	2.93	4.01	3.31	4.34	3.37	4.61	3.41	5.17	3.68	5.36	3.59
	12			3.35	2.93	4.01	3.31	4.34	3.37	4.61	3.41	5.15	3.67	5.34	3.58
	14			3.35	2.93	4.01	3.31	4.34	3.37	4.60	3.41	5.13	3.67	5.32	3.58
	16			3.35	2.93	4.01	3.31	4.34	3.37	4.59	3.40	5.11	3.66	5.30	3.57
	18			3.35	2.93	4.01	3.31	4.34	3.37	4.59	3.40	5.09	3.65	5.27	3.56
	20			3.35	2.93	4.01	3.31	4.34	3.37	4.58	3.40	5.07	3.65	5.25	3.56
	22			3.35	2.93	4.01	3.31	4.34	3.37	4.56	3.39	5.01	3.62	5.18	3.53
	24			3.34	2.93	4.00	3.31	4.34	3.37	4.54	3.38	4.95	3.60	5.11	3.51
	26			3.34	2.93	3.99	3.30	4.29	3.35	4.49	3.37	4.87	3.57	5.03	3.49
	28	3.03	2.89	3.34	2.93	3.97	3.29	4.25	3.34	4.43	3.34	4.79	3.55	4.95	3.46
	30	3.03	2.89	3.33	2.92	3.94	3.28	4.21	3.32	4.38	3.32	4.72	3.52	4.87	3.43
	32	3.03	2.89	3.32	2.92	3.91	3.27	4.17	3.31	4.33	3.30	4.64	3.50	4.80	3.41
	34	3.03	2.89	3.31	2.91	3.89	3.26	4.12	3.29	4.26	3.27	4.54	3.46	4.70	3.38
	35	3.03	2.89	3.30	2.91	3.89	3.26	4.09	3.28	4.23	3.26	4.50	3.45	4.65	3.37
	36	3.03	2.89	3.30	2.91	3.86	3.25	4.07	3.27	4.18	3.24	4.42	3.42	4.56	3.34
	38	3.03	2.89	3.29	2.90	3.80	3.22	4.03	3.25	4.10	3.22	4.25	3.36	4.38	3.28
	39	3.03	2.89	3.29	2.90	3.77	3.21	4.01	3.24	4.06	3.20	4.17	3.34	4.29	3.25
	41	3.03	2.89	3.28	2.90	3.66	3.16	3.84	3.17	3.89	3.13	3.99	3.27	4.09	3.19
	43	3.03	2.89	3.27	2.90	3.54	3.12	3.68	3.11	3.72	3.07	3.80	3.21	3.89	3.13

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 12 (m³/min)	-19.8	-20	2.63	2.63	2.63	2.63	2.63
	-17.8	-18	2.80	2.80	2.80	2.80	2.80
	-15.7	-16	2.97	2.97	2.97	2.97	2.97
	-13.7	-14	3.14	3.14	3.14	3.14	3.14
	-11.7	-12	3.31	3.31	3.31	3.31	3.31
	-9.6	-10	3.48	3.48	3.48	3.48	3.48
	-7.5	-8	3.69	3.69	3.69	3.69	3.69
	-5.5	-6	3.90	3.90	3.90	3.90	3.90
	-3.4	-4	4.04	4.03	4.03	3.99	3.95
	-1.3	-2	4.18	4.17	4.15	4.07	4.00
	0.8	0	4.40	4.34	4.28	4.13	3.97
	3.9	3	4.78	4.61	4.44	4.19	3.94
	7.0	6	5.22	4.88	4.54	4.22	3.90
	10.1	9	5.19	4.85	4.52	4.20	3.87
	13.2	12	5.15	4.82	4.49	4.17	3.84
	16.9	15.5	5.11	4.78	4.45	4.13	3.80

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo 10 (m³/min)	10			2.98	2.53	3.57	2.87	3.86	2.92	4.11	2.96	4.60	3.20	4.77	3.12
	12			2.98	2.53	3.57	2.87	3.86	2.92	4.10	2.96	4.58	3.19	4.75	3.11
	14			2.98	2.53	3.57	2.87	3.86	2.92	4.09	2.95	4.57	3.19	4.73	3.10
	16			2.98	2.53	3.57	2.87	3.86	2.92	4.09	2.95	4.55	3.18	4.71	3.10
	18			2.98	2.53	3.57	2.87	3.86	2.92	4.08	2.95	4.53	3.17	4.69	3.09
	20			2.98	2.53	3.57	2.87	3.86	2.92	4.08	2.95	4.52	3.17	4.67	3.09
	22			2.98	2.53	3.57	2.87	3.86	2.92	4.06	2.94	4.46	3.15	4.61	3.07
	24			2.98	2.53	3.56	2.86	3.86	2.92	4.04	2.93	4.40	3.13	4.54	3.04
	26			2.97	2.53	3.55	2.86	3.82	2.91	3.99	2.91	4.33	3.10	4.47	3.02
	28	2.69	2.50	2.97	2.53	3.53	2.85	3.79	2.90	3.94	2.89	4.26	3.07	4.40	2.99
	30	2.69	2.50	2.96	2.52	3.50	2.84	3.75	2.88	3.90	2.88	4.20	3.05	4.34	2.97
	32	2.69	2.50	2.96	2.52	3.48	2.83	3.71	2.87	3.85	2.86	4.13	3.03	4.27	2.95
	34	2.69	2.50	2.95	2.52	3.46	2.82	3.66	2.85	3.79	2.84	4.04	2.99	4.18	2.92
	35	2.69	2.50	2.94	2.51	3.46	2.82	3.64	2.84	3.76	2.83	4.00	2.98	4.14	2.91
	36	2.69	2.50	2.94	2.51	3.43	2.81	3.62	2.83	3.72	2.81	3.93	2.96	4.06	2.88
	38	2.69	2.50	2.93	2.51	3.38	2.78	3.59	2.81	3.65	2.78	3.79	2.90	3.90	2.83
	39	2.69	2.50	2.93	2.51	3.35	2.76	3.57	2.81	3.62	2.76	3.71	2.88	3.82	2.80
	41	2.69	2.50	2.92	2.51	3.25	2.72	3.42	2.74	3.46	2.70	3.55	2.82	3.64	2.75
	43	2.69	2.50	2.91	2.50	3.15	2.69	3.28	2.68	3.31	2.64	3.38	2.76	3.46	2.69

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 10 (m³/min)	-19.8	-20	2.33	2.33	2.33	2.33	2.33
	-17.8	-18	2.48	2.48	2.48	2.48	2.48
	-15.7	-16	2.63	2.63	2.63	2.63	2.63
	-13.7	-14	2.78	2.78	2.78	2.78	2.78
	-11.7	-12	2.93	2.93	2.93	2.93	2.93
	-9.6	-10	3.08	3.08	3.08	3.08	3.08
	-7.5	-8	3.27	3.27	3.27	3.27	3.27
	-5.5	-6	3.46	3.46	3.46	3.46	3.46
	-3.4	-4	3.58	3.57	3.57	3.53	3.50
	-1.3	-2	3.70	3.69	3.68	3.61	3.54
	0.8	0	3.90	3.84	3.79	3.65	3.52
	3.9	3	4.23	4.08	3.93	3.71	3.49
	7.0	6	4.62	4.32	4.02	3.74	3.46
	10.1	9	4.59	4.30	4.00	3.72	3.43
	13.2	12	4.56	4.27	3.98	3.69	3.40
	16.9	15.5	4.53	4.24	3.94	3.65	3.36

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJC001Z296

Model **FDTS71KXE6D** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
	10			5.82	5.00	6.96	5.65	7.53	5.77	8.01	5.84	8.97	6.31	9.31	6.16
	12			5.82	5.00	6.96	5.65	7.53	5.77	8.00	5.83	8.94	6.30	9.27	6.15
	14			5.82	5.00	6.96	5.65	7.53	5.77	7.99	5.83	8.90	6.29	9.23	6.14
	16			5.82	5.00	6.96	5.65	7.53	5.77	7.97	5.82	8.87	6.28	9.19	6.12
	18			5.82	5.00	6.96	5.65	7.53	5.77	7.96	5.82	8.84	6.27	9.15	6.11
P-Hi	20			5.82	5.00	6.96	5.65	7.53	5.77	7.95	5.81	8.81	6.26	9.11	6.10
	22			5.81	5.00	6.95	5.65	7.53	5.77	7.92	5.80	8.70	6.22	8.99	6.05
20	24			5.80	5.00	6.95	5.65	7.53	5.77	7.88	5.79	8.58	6.16	8.86	6.00
(m³/min)	26			5.80	5.00	6.92	5.64	7.46	5.75	7.79	5.75	8.45	6.12	8.73	5.96
	28	5.25	4.94	5.79	4.99	6.89	5.63	7.38	5.72	7.69	5.72	8.31	6.07	8.59	5.92
	30	5.25	4.94	5.78	4.99	6.83	5.60	7.31	5.69	7.60	5.68	8.19	6.03	8.46	5.88
	32	5.25	4.94	5.77	4.98	6.78	5.56	7.24	5.65	7.51	5.65	8.06	5.98	8.33	5.83
	34	5.25	4.94	5.75	4.98	6.76	5.55	7.15	5.62	7.39	5.59	7.89	5.92	8.16	5.78
	35	5.25	4.94	5.74	4.97	6.75	5.55	7.10	5.60	7.33	5.57	7.80	5.89	8.08	5.76
	36	5.25	4.94	5.73	4.97	6.69	5.53	7.06	5.58	7.26	5.54	7.66	5.83	7.92	5.69
	38	5.25	4.94	5.72	4.96	6.59	5.49	6.99	5.53	7.12	5.47	7.38	5.74	7.61	5.60
	39	5.25	4.94	5.71	4.96	6.54	5.47	6.96	5.52	7.05	5.45	7.24	5.69	7.45	5.55
	41	5.25	4.94	5.69	4.95	6.35	5.39	6.67	5.41	6.76	5.34	6.92	5.58	7.10	5.44
	43	5.25	4.94	5.67	4.94	6.15	5.31	6.39	5.30	6.46	5.23	6.60	5.47	6.75	5.32

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	4.64	4.64	4.64	4.64	4.64
	-17.8	-18	4.94	4.94	4.94	4.94	4.94
	-15.7	-16	5.24	5.24	5.24	5.24	5.24
	-13.7	-14	5.54	5.54	5.54	5.54	5.54
	-11.7	-12	5.83	5.83	5.83	5.83	5.83
P-Hi	-9.6	-10	6.13	6.13	6.13	6.13	6.13
	-7.5	-8	6.51	6.51	6.51	6.51	6.51
20	-5.5	-6	6.88	6.88	6.88	6.88	6.88
(m³/min)	-3.4	-4	7.12	7.11	7.10	7.03	6.96
	-1.3	-2	7.36	7.34	7.32	7.18	7.04
	0.8	0	7.76	7.65	7.54	7.27	7.00
	3.9	3	8.42	8.12	7.82	7.38	6.94
	7.0	6	9.20	8.60	8.00	7.44	6.88
	10.1	9	9.14	8.56	7.97	7.40	6.82
	13.2	12	9.08	8.50	7.92	7.34	6.76
	16.9	15.5	9.01	8.43	7.85	7.27	6.69

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
	10			5.66	4.69	6.76	5.30	7.31	5.42	7.78	5.48	8.72	5.92	9.05	5.77
	12			5.66	4.69	6.76	5.30	7.31	5.42	7.77	5.48	8.68	5.90	9.01	5.75
	14			5.66	4.69	6.76	5.30	7.31	5.42	7.76	5.48	8.65	5.89	8.97	5.74
	16			5.66	4.69	6.76	5.30	7.31	5.42	7.75	5.47	8.62	5.88	8.93	5.73
	18			5.66	4.69	6.76	5.30	7.31	5.42	7.74	5.47	8.59	5.87	8.89	5.71
Hi	20			5.66	4.69	6.76	5.30	7.31	5.42	7.73	5.46	8.56	5.86	8.86	5.70
	22			5.65	4.69	6.76	5.30	7.31	5.42	7.69	5.45	8.45	5.82	8.73	5.66
18	24			5.64	4.68	6.76	5.30	7.31	5.42	7.66	5.44	8.34	5.78	8.61	5.62
(m³/min)	26			5.64	4.68	6.72	5.28	7.25	5.39	7.57	5.40	8.21	5.73	8.48	5.58
	28	5.11	4.62	5.63	4.68	6.69	5.27	7.18	5.36	7.48	5.37	8.08	5.69	8.35	5.54
	30	5.11	4.62	5.62	4.68	6.64	5.25	7.11	5.33	7.39	5.32	7.96	5.64	8.22	5.49
	32	5.11	4.62	5.60	4.67	6.59	5.23	7.04	5.30	7.30	5.29	7.83	5.60	8.10	5.44
	34	5.11	4.62	5.58	4.66	6.57	5.22	6.95	5.27	7.19	5.25	7.67	5.53	7.93	5.39
	35	5.11	4.62	5.58	4.66	6.56	5.22	6.90	5.25	7.13	5.22	7.58	5.50	7.85	5.36
	36	5.11	4.62	5.57	4.65	6.51	5.20	6.87	5.23	7.06	5.20	7.45	5.45	7.70	5.32
	38	5.11	4.62	5.55	4.65	6.41	5.16	6.80	5.21	6.92	5.14	7.18	5.36	7.39	5.22
	39	5.11	4.62	5.55	4.65	6.36	5.13	6.76	5.19	6.85	5.12	7.04	5.31	7.24	5.16
	41	5.11	4.62	5.53	4.64	6.17	5.05	6.49	5.08	6.57	5.00	6.73	5.19	6.90	5.05
	43	5.11	4.62	5.51	4.63	5.98	4.96	6.21	4.95	6.28	4.88	6.41	5.08	6.56	4.95

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	4.47	4.47	4.47	4.47	4.47
	-17.8	-18	4.75	4.75	4.75	4.75	4.75
	-15.7	-16	5.04	5.04	5.04	5.04	5.04
	-13.7	-14	5.33	5.33	5.33	5.33	5.33
	-11.7	-12	5.62	5.62	5.62	5.62	5.62
Hi	-9.6	-10	5.90	5.90	5.90	5.90	5.90
	-7.5	-8	6.26	6.26	6.26	6.26	6.26
18	-5.5	-6	6.62	6.62	6.62	6.62	6.62
(m³/min)	-3.4	-4	6.85	6.84	6.83	6.77	6.70
	-1.3	-2	7.08	7.06	7.05	6.91	6.78
	0.8	0	7.47	7.36	7.26	7.00	6.74
	3.9	3	8.10	7.82	7.53	7.10	6.68
	7.0	6	8.86	8.28	7.70	7.16	6.62
	10.1	9	8.80	8.23	7.67	7.12	6.56
	13.2	12	8.74	8.18	7.62	7.06	6.51
	16.9	15.5	8.67	8.11	7.56	7.00	6.44

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
	10			5.11	4.06	6.10	4.60	6.60	4.71	7.03	4.78	7.87	5.15	8.17	5.02
	12			5.11	4.06	6.10	4.60	6.60	4.71	7.02	4.77	7.84	5.14	8.14	5.01
	14			5.11	4.06	6.10	4.60	6.60	4.71	7.01	4.77	7.81	5.13	8.10	4.99
	16			5.11	4.06	6.10	4.60	6.60	4.71	7.00	4.77	7.78	5.12	8.07	4.98
	18			5.11	4.06	6.10	4.60	6.60	4.71	6.99	4.76	7.76	5.11	8.03	4.96
Me	20			5.11	4.06	6.10	4.60	6.60	4.71	6.98	4.76	7.73	5.10	8.00	4.95
	22			5.10	4.06	6.10	4.60	6.60	4.71	6.95	4.75	7.63	5.05	7.89	4.91
15	24			5.09	4.06	6.10	4.60	6.60	4.71	6.91	4.72	7.53	5.02	7.78	4.88
(m³/min)	26			5.09	4.06	6.07	4.58	6.54	4.68	6.83	4.69	7.41	4.97	7.66	4.84
	28	4.61	4.00	5.08	4.05	6.04	4.57	6.48	4.66	6.75	4.66	7.29	4.93	7.54	4.79
	30	4.61	4.00	5.07	4.05	6.00	4.55	6.42	4.63	6.67	4.63	7.18	4.88	7.43	4.75
	32	4.61	4.00	5.06	4.04	5.95	4.53	6.35	4.60	6.59	4.60	7.07	4.84	7.31	4.71
	34	4.61	4.00	5.04	4.03	5.93	4.52	6.27	4.57	6.49	4.55	6.92	4.79	7.16	4.64
	35	4.61	4.00	5.03	4.03	5.92	4.52	6.23	4.55	6.44	4.53	6.85	4.76	7.09	4.61
	36	4.61	4.00	5.03	4.03	5.87	4.50	6.20	4.54	6.37	4.50	6.73	4.69	6.95	4.57
	38	4.61	4.00	5.02	4.02	5.78	4.46	6.14	4.51	6.25	4.46	6.48	4.61	6.67	4.48
	39	4.61	4.00	5.01	4.02	5.74	4.44	6.11	4.50	6.19	4.43	6.36	4.56	6.54	4.44
	41	4.61	4.00	4.99	4.01	5.57	4.37	5.86	4.39	5.93	4.33	6.07	4.46	6.23	4.34
	43	4.61	4.00	4.97	4.00	5.40	4.30	5.61	4.30	5.67	4.23	5.79	4.37	5.92	4.24

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	4.02	4.02	4.02	4.02	4.02
	-17.8	-18	4.28	4.28	4.28	4.28	4.28
	-15.7	-16	4.54	4.54	4.54	4.54	4.54
	-13.7	-14	4.80	4.80	4.80	4.80	4.80
	-11.7	-12	5.05	5.05	5.05	5.05	5.05
Me	-9.6	-10	5.31	5.31	5.31	5.31	5.31
	-7.5	-8	5.64	5.64	5.64	5.64	5.64
15	-5.5	-6	5.96	5.96	5.96	5.96	5.96
(m³/min)	-3.4	-4	6.17	6.16	6.15	6.09	6.03
	-1.3	-2	6.38	6.36	6.34	6.22	6.10
	0.8	0	6.72	6.63	6.53	6.30	6.06
	3.9	3	7.29	7.03	6.77	6.39	6.01
	7.0	6	7.97	7.45	6.93	6.44	5.96
	10.1	9	7.92	7.41	6.90	6.41	5.91
	13.2	12	7.87	7.36	6.86	6.36	5.86
	16.9	15.5	7.80	7.30	6.80	6.30	5.80

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
	10			4.30	3.38	5.14	3.82	5.57	3.91	5.92	3.96	6.63	4.29	6.89	4.18
	12			4.30	3.38	5.14	3.82	5.57	3.91	5.91	3.96	6.61	4.28	6.86	4.16
	14			4.30	3.38	5.14	3.82	5.57	3.91	5.90	3.95	6.58	4.27	6.83	4.15
	16			4.30	3.38	5.14	3.82	5.57	3.91	5.90	3.95	6.56	4.26	6.80	4.14
	18			4.30	3.38	5.14	3.82	5.57	3.91	5.89	3.95	6.54	4.25	6.77	4.13
Lo	20			4.30	3.38	5.14	3.82	5.57	3.91	5.88	3.95	6.51	4.24	6.74	4.12
	22			4.30	3.38	5.14	3.82	5.57	3.91	5.85	3.93	6.43	4.21	6.65	4.08
12	24			4.29	3.38	5.14	3.82	5.57	3.91	5.83	3.93	6.35	4.17	6.55	4.05
(m³/min)	26			4.29	3.38	5.12	3.81	5.51	3.89	5.76	3.90	6.25	4.14	6.45	4.02
	28	3.89	3.33	4.28	3.37	5.09	3.80	5.46	3.87	5.69	3.87	6.15	4.10	6.35	3.98
	30	3.89	3.33	4.27	3.37	5.05	3.78	5.41	3.84	5.62	3.84	6.05	4.06	6.26	3.95
	32	3.89	3.33	4.26	3.36	5.01	3.76	5.36	3.82	5.56	3.82	5.96	4.03	6.16	3.91
	34	3.89	3.33	4.25	3.36	5.00	3.76	5.29	3.80	5.47	3.78	5.83	3.97	6.03	3.87
	35	3.89	3.33	4.24	3.35	4.99	3.75	5.25	3.78	5.42	3.76	5.77	3.95	5.97	3.84
	36	3.89	3.33	4.24	3.35	4.95	3.74	5.22	3.77	5.37	3.74	5.67	3.91	5.86	3.81
	38	3.89	3.33	4.23	3.35	4.87	3.70	5.17	3.75	5.27	3.70	5.46	3.84	5.62	3.73
	39	3.89	3.33	4.22	3.34	4.84	3.69	5.15	3.74	5.22	3.68	5.36	3.80	5.51	3.68
	41	3.89	3.33	4.21	3.34	4.69	3.63	4.94	3.65	5.00	3.59	5.12	3.71	5.25	3.60
	43	3.89	3.33	4.19	3.33	4.55	3.57	4.73	3.57	4.78	3.51	4.88	3.62	4.99	3.52

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	3.35	3.35	3.35	3.35	3.35
	-17.8	-18	3.56	3.56	3.56	3.56	3.56
	-15.7	-16	3.78	3.78	3.78	3.78	3.78
	-13.7	-14	3.99	3.99	3.99	3.99	3.99
	-11.7	-12	4.21	4.21	4.21	4.21	4.21
Lo	-9.6	-10	4.42	4.42	4.42	4.42	4.42
	-7.5	-8	4.69	4.69	4.69	4.69	4.69
12	-5.5	-6	4.96	4.96	4.96	4.96	4.96
(m³/min)	-3.4	-4	5.14	5.13	5.12	5.07	5.02
	-1.3	-2	5.31	5.29	5.28	5.18	5.08
	0.8	0	5.60	5.52	5.44	5.24	5.05
	3.9	3	6.07	5.86	5.64	5.32	5.01
	7.0	6	6.64	6.20	5.77	5.37	4.96
	10.1	9	6.59	6.17	5.75	5.33	4.92
	13.2	12	6.55	6.13	5.71	5.29	4.88
	16.9	15.5	6.50	6.08	5.66	5.24	4.83

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJC001Z296

(f) Duct connected-High static pressure type (FDU)

Model **FDU71KXE6D** Cool Mode

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Hi 20 (m³/min)	10			5.82	4.96	6.96	5.60	7.53	5.72	8.01	5.79	8.97	6.26	9.31	6.10
	12			5.82	4.96	6.96	5.60	7.53	5.72	8.00	5.78	8.94	6.25	9.27	6.08
	14			5.82	4.96	6.96	5.60	7.53	5.72	7.99	5.77	8.90	6.22	9.23	6.07
	16			5.82	4.96	6.96	5.60	7.53	5.72	7.97	5.77	8.87	6.21	9.19	6.06
	18			5.82	4.96	6.96	5.60	7.53	5.72	7.96	5.76	8.84	6.20	9.15	6.04
	20			5.82	4.96	6.96	5.60	7.53	5.72	7.95	5.76	8.81	6.19	9.11	6.03
	22			5.81	4.95	6.95	5.59	7.53	5.72	7.92	5.75	8.70	6.15	8.99	5.99
	24			5.80	4.95	6.95	5.59	7.53	5.72	7.88	5.73	8.58	6.11	8.86	5.95
	26			5.80	4.95	6.92	5.58	7.46	5.69	7.79	5.70	8.45	6.06	8.73	5.90
	28	5.25	4.89	5.79	4.95	6.89	5.57	7.38	5.66	7.69	5.66	8.31	6.00	8.59	5.85
	30	5.25	4.89	5.78	4.94	6.83	5.55	7.31	5.63	7.60	5.63	8.19	5.96	8.46	5.81
	32	5.25	4.89	5.77	4.94	6.78	5.53	7.24	5.59	7.51	5.59	8.06	5.92	8.33	5.77
	34	5.25	4.89	5.75	4.93	6.76	5.52	7.15	5.56	7.39	5.54	7.89	5.86	8.16	5.68
	35	5.25	4.89	5.74	4.93	6.75	5.51	7.10	5.54	7.33	5.51	7.80	5.83	8.08	5.66
	36	5.25	4.89	5.73	4.92	6.69	5.49	7.06	5.53	7.26	5.49	7.66	5.75	7.92	5.61
	38	5.25	4.89	5.72	4.92	6.59	5.45	6.99	5.50	7.12	5.44	7.38	5.65	7.61	5.51
	39	5.25	4.89	5.71	4.91	6.54	5.43	6.96	5.49	7.05	5.41	7.24	5.61	7.45	5.46
	41	5.25	4.89	5.69	4.90	6.35	5.35	6.67	5.38	6.76	5.30	6.92	5.50	7.10	5.36
	43	5.25	4.89	5.67	4.90	6.15	5.27	6.39	5.26	6.46	5.19	6.60	5.39	6.75	5.25

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Hi 20 (m³/min)	-19.8	-20	4.64	4.64	4.64	4.64	4.64
	-17.8	-18	4.94	4.94	4.94	4.94	4.94
	-15.7	-16	5.24	5.24	5.24	5.24	5.24
	-13.7	-14	5.54	5.54	5.54	5.54	5.54
	-11.7	-12	5.83	5.83	5.83	5.83	5.83
	-9.6	-10	6.13	6.13	6.13	6.13	6.13
	-7.5	-8	6.51	6.51	6.51	6.51	6.51
	-5.5	-6	6.88	6.88	6.88	6.88	6.88
	-3.4	-4	7.12	7.11	7.10	7.03	6.96
	-1.3	-2	7.36	7.34	7.32	7.18	7.04
	0.8	0	7.76	7.65	7.54	7.27	7.00
	3.9	3	8.42	8.12	7.82	7.38	6.94
	7.0	6	9.20	8.60	8.00	7.44	6.88
	10.1	9	9.14	8.56	7.97	7.40	6.82
	13.2	12	9.08	8.50	7.92	7.34	6.76
	16.9	15.5	9.01	8.43	7.85	7.27	6.69

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Lo 17 (m³/min)	10			4.84	4.22	5.78	4.77	6.25	4.87	6.65	4.92	7.45	5.32	7.74	5.20
	12			4.84	4.22	5.78	4.77	6.25	4.87	6.64	4.92	7.43	5.32	7.71	5.19
	14			4.84	4.22	5.78	4.77	6.25	4.87	6.64	4.92	7.40	5.31	7.67	5.18
	16			4.84	4.22	5.78	4.77	6.25	4.87	6.63	4.92	7.37	5.29	7.64	5.17
	18			4.84	4.22	5.78	4.77	6.25	4.87	6.62	4.91	7.35	5.29	7.61	5.16
	20			4.84	4.22	5.78	4.77	6.25	4.87	6.61	4.91	7.32	5.28	7.57	5.14
	22			4.83	4.21	5.78	4.77	6.25	4.87	6.58	4.90	7.23	5.24	7.47	5.11
	24			4.82	4.21	5.78	4.77	6.25	4.87	6.55	4.89	7.13	5.21	7.37	5.08
	26			4.82	4.21	5.75	4.76	6.20	4.85	6.47	4.86	7.02	5.17	7.25	5.04
	28	4.37	4.17	4.81	4.21	5.72	4.75	6.14	4.83	6.39	4.83	6.91	5.13	7.14	5.00
	30	4.37	4.17	4.80	4.20	5.68	4.73	6.08	4.80	6.32	4.80	6.80	5.09	7.03	4.97
	32	4.37	4.17	4.79	4.20	5.63	4.71	6.02	4.77	6.24	4.77	6.70	5.06	6.93	4.94
	34	4.37	4.17	4.78	4.19	5.61	4.71	5.94	4.74	6.14	4.72	6.56	5.01	6.78	4.89
	35	4.37	4.17	4.77	4.19	5.61	4.71	5.90	4.73	6.10	4.71	6.49	4.99	6.71	4.87
	36	4.37	4.17	4.76	4.19	5.56	4.69	5.87	4.72	6.04	4.69	6.37	4.94	6.58	4.82
	38	4.37	4.17	4.75	4.18	5.48	4.65	5.81	4.69	5.92	4.64	6.14	4.86	6.32	4.74
	39	4.37	4.17	4.74	4.18	5.44	4.64	5.78	4.68	5.86	4.62	6.02	4.82	6.19	4.70
	41	4.37	4.17	4.73	4.17	5.27	4.57	5.55	4.59	5.61	4.53	5.75	4.72	5.90	4.61
	43	4.37	4.17	4.71	4.16	5.11	4.51	5.31	4.50	5.37	4.44	5.49	4.64	5.61	4.52

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Lo 17 (m³/min)	-19.8	-20	3.71	3.71	3.71	3.71	3.71
	-17.8	-18	3.95	3.95	3.95	3.95	3.95
	-15.7	-16	4.19	4.19	4.19	4.19	4.19
	-13.7	-14	4.43	4.43	4.43	4.43	4.43
	-11.7	-12	4.67	4.67	4.67	4.67	4.67
	-9.6	-10	4.91	4.91	4.91	4.91	4.91
	-7.5	-8	5.21	5.21	5.21	5.21	5.21
	-5.5	-6	5.50	5.50	5.50	5.50	5.50
	-3.4	-4	5.70	5.69	5.68	5.62	5.57
	-1.3	-2	5.89	5.87	5.86	5.74	5.63
	0.8	0	6.21	6.12	6.03	5.82	5.60
	3.9	3	6.74	6.50	6.26	5.90	5.55
	7.0	6	7.36	6.88	6.40	5.95	5.50
	10.1	9	7.31	6.84	6.38	5.92	5.46
	13.2	12	7.26	6.80	6.34	5.87	5.41
	16.9	15.5	7.21	6.74	6.28	5.82	5.35

Model **FDU90KXE6D** Cool Mode

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Hi 34 (m³/min)	10			7.38	7.08	8.82	8.45	9.54	8.58	10.15	8.67	11.37	9.41	11.80	9.21
	12			7.38	7.08	8.82	8.45	9.54	8.58	10.14	8.66	11.33	9.39	11.75	9.20
	14			7.38	7.08	8.82	8.45	9.54	8.58	10.12	8.66	11.29	9.38	11.70	9.18
	16			7.38	7.08	8.82	8.45	9.54	8.58	10.11	8.65	11.25	9.36	11.65	9.17
	18			7.38	7.08	8.82	8.45	9.54	8.58	10.09	8.65	11.20	9.35	11.60	9.15
	20			7.38	7.08	8.82	8.45	9.54	8.58	10.08	8.64	11.16	9.33	11.55	9.14
	22			7.37	7.08	8.82	8.45	9.54	8.58	10.03	8.62	11.02	9.29	11.39	9.09
	24			7.36	7.07	8.81	8.45	9.54	8.58	9.99	8.61	10.88	9.24	11.24	9.04
	26			7.35	7.06	8.77	8.42	9.45	8.55	9.87	8.57	10.71	9.19	11.06	8.98
	28	6.66	6.39	7.34	7.05	8.73	8.38	9.36	8.51	9.75	8.51	10.54	9.13	10.89	8.94
	30	6.66	6.39	7.33	7.04	8.66	8.31	9.27	8.48	9.64	8.47	10.38	9.08	10.73	8.89
	32	6.66	6.39	7.31	7.02	8.60	8.26	9.18	8.45	9.53	8.43	10.22	9.03	10.56	8.83
	34	6.66	6.39	7.28	6.99	8.57	8.23	9.06	8.40	9.37	8.37	10.00	8.93	10.35	8.75
	35	6.66	6.39	7.27	6.98	8.55	8.21	9.00	8.38	9.30	8.35	9.89	8.89	10.24	8.72
	36	6.66	6.39	7.26	6.97	8.49	8.15	8.96	8.37	9.21	8.31	9.72	8.84	10.04	8.66
	38	6.66	6.39	7.25	6.96	8.36	8.03	8.87	8.33	9.03	8.25	9.36	8.73	9.64	8.54
	39	6.66	6.39	7.24	6.95	8.29	7.96	8.82	8.31	8.94	8.22	9.18	8.67	9.44	8.48
	41	6.66	6.39	7.21	6.92	8.04	7.72	8.46	8.12	8.56	8.09	8.77	8.42	9.00	8.35
	43	6.66	6.39	7.19	6.90	7.80	7.49	8.10	7.78	8.19	7.86	8.37	8.04	8.56	8.22

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Hi 34 (m³/min)	-19.8	-20	5.80	5.80	5.80	5.80	5.80
	-17.8	-18	6.17	6.17	6.17	6.17	6.17
	-15.7	-16	6.55	6.55	6.55	6.55	6.55
	-13.7	-14	6.92	6.92	6.92	6.92	6.92
	-11.7	-12	7.29	7.29	7.29	7.29	7.29
	-9.6	-10	7.67	7.67	7.67	7.67	7.67
	-7.5	-8	8.13	8.13	8.13	8.13	8.13
	-5.5	-6	8.60	8.60	8.60	8.60	8.60
	-3.4	-4	8.90	8.89	8.88	8.79	8.70
	-1.3	-2	9.20	9.18	9.15	8.98	8.80
	0.8	0	9.70	9.56	9.43	9.09	8.75
	3.9	3	10.53	10.15	9.78	9.23	8.68
	7.0	6	11.50	10.75	10.00	9.30	8.60
	10.1	9	11.43	10.69	9.96	9.24	8.53
	13.2	12	11.35	10.63	9.90	9.18	8.45
	16.9	15.5	11.26	10.54	9.81	9.09	8.36

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Lo 27 (m³/min)	10			6.25	6.00	7.48	6.94	8.09	7.05	8.60	7.11	9.64	7.72	10.01	7.55
	12			6.25	6.00	7.48	6.94	8.09	7.05	8.59	7.11	9.60	7.70	9.96	7.54
	14			6.25	6.00	7.48	6.94	8.09	7.05	8.58	7.11	9.57	7.69	9.92	7.52
	16			6.25	6.00	7.48	6.94	8.09	7.05	8.57	7.10	9.53	7.68	9.88	7.51
	18			6.25	6.00	7.48	6.94	8.09	7.05	8.56	7.10	9.50	7.67	9.84	7.50
	20			6.25	6.00	7.48	6.94	8.09	7.05	8.55	7.09	9.46	7.65	9.79	7.48
	22			6.25	6.00	7.47	6.94	8.09	7.05	8.51	7.08	9.34	7.61	9.66	7.44
	24			6.24	5.99	7.47	6.94	8.09	7.05	8.47	7.07	9.23	7.58	9.53	7.40
	26			6.23	5.98	7.44	6.93	8.01	7.02	8.37	7.03	9.08	7.53	9.38	7.36
	28	5.65	5.42	6.23	5.98	7.40	6.91	7.94	7.00	8.27	6.99	8.93	7.47	9.23	7.31
	30	5.65	5.42	6.21	5.96	7.34	6.89	7.86	6.97	8.17	6.96	8.80	7.43	9.09	7.27
	32	5.65	5.42	6.20	5.95	7.29	6.87	7.78	6.94	8.08	6.92	8.66	7.38	8.96	7.23
	34	5.65	5.42	6.18	5.93	7.26	6.86	7.68	6.90	7.95	6.88	8.48	7.33	8.77	7.17
	35	5.65	5.42	6.17	5.92	7.25	6.86	7.63	6.88	7.88	6.85	8.39	7.29	8.68	7.14
	36	5.65	5.42	6.16	5.91	7.19	6.83	7.59	6.87	7.81	6.83	8.24	7.24	8.51	7.09
	38	5.65	5.42	6.14	5.89	7.08	6.79	7.52	6.84	7.66	6.77	7.94	7.15	8.17	6.99
	39	5.65	5.42	6.13	5.88	7.03	6.75	7.48	6.82	7.58	6.74	7.78	7.09	8.00	6.94
	41	5.65	5.42	6.11	5.87	6.82	6.55	7.17	6.71	7.26	6.63	7.44	6.98	7.63	6.83
	43	5.65	5.42	6.09	5.85	6.61	6.35	6.87	6.60	6.94	6.52	7.09	6.81	7.25	6.71

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Lo 27 (m³/min)	-19.8	-20	4.80	4.80	4.80	4.80	4.80
	-17.8	-18	5.11	5.11	5.11	5.11	5.11
	-15.7	-16	5.42	5.42	5.42	5.42	5.42
	-13.7	-14	5.73	5.73	5.73	5.73	5.73
	-11.7	-12	6.04	6.04	6.04	6.04	6.04
	-9.6	-10	6.35	6.35	6.35	6.35	6.35
	-7.5	-8	6.73	6.73	6.73	6.73	6.73
	-5.5	-6	7.12	7.12	7.12	7.12	7.12
	-3.4	-4	7.37	7.36	7.35	7.28	7.20
	-1.3	-2	7.62	7.60	7.58	7.43	7.29
	0.8	0	8.03	7.92	7.80	7.52	7.25
	3.9	3	8.71	8.40	8.09	7.64	7.18
	7.0	6	9.52	8.90	8.28	7.70	7.12
	10.1	9	9.46	8.85	8.25	7.65	7.06
	13.2	12	9.40	8.80	8.20	7.60	7.00
	16.9	15.5	9.33	8.73	8.12	7.52	6.92

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJD001Z307

Model **FDU112KXE6D** Cool Mode

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
	10			9.18	8.23	10.97	9.31	11.87	9.48	12.63	9.60	14.15	10.38	14.69	10.14
	12			9.18	8.23	10.97	9.31	11.87	9.48	12.61	9.59	14.10	10.36	14.63	10.12
	14			9.18	8.23	10.97	9.31	11.87	9.48	12.60	9.59	14.05	10.34	14.56	10.10
	16			9.18	8.23	10.97	9.31	11.87	9.48	12.58	9.58	14.00	10.33	14.50	10.08
	18			9.18	8.23	10.97	9.31	11.87	9.48	12.56	9.57	13.94	10.31	14.44	10.06
Hi	20			9.18	8.23	10.97	9.31	11.87	9.48	12.55	9.57	13.89	10.29	14.37	10.04
	22			9.17	8.22	10.97	9.31	11.87	9.48	12.49	9.54	13.72	10.23	14.18	9.98
34	24			9.15	8.22	10.97	9.31	11.87	9.48	12.43	9.52	13.54	10.17	13.98	9.91
(m³/min)	26			9.15	8.22	10.92	9.29	11.76	9.44	12.28	9.45	13.33	10.09	13.77	9.85
	28	8.29	7.96	9.14	8.21	10.86	9.27	11.65	9.40	12.14	9.40	13.11	10.02	13.55	9.78
	30	8.29	7.96	9.12	8.20	10.78	9.24	11.54	9.36	12.00	9.34	12.91	9.95	13.35	9.69
	32	8.29	7.96	9.09	8.19	10.70	9.20	11.42	9.31	11.85	9.29	12.71	9.86	13.15	9.63
	34	8.29	7.96	9.06	8.18	10.66	9.19	11.27	9.25	11.66	9.22	12.45	9.77	12.87	9.54
	35	8.29	7.96	9.05	8.17	10.64	9.18	11.20	9.22	11.57	9.18	12.31	9.72	12.74	9.50
	36	8.29	7.96	9.04	8.17	10.56	9.15	11.14	9.20	11.46	9.14	12.09	9.65	12.49	9.43
	38	8.29	7.96	9.02	8.16	10.40	9.09	11.03	9.16	11.24	9.06	11.65	9.50	12.00	9.27
	39	8.29	7.96	9.00	8.15	10.32	9.05	10.98	9.14	11.13	9.02	11.43	9.42	11.75	9.20
	41	8.29	7.96	8.97	8.14	10.01	8.93	10.53	8.97	10.66	8.85	10.92	9.25	11.20	9.03
	43	8.29	7.96	8.94	8.13	9.70	8.81	10.08	8.80	10.19	8.68	10.41	9.09	10.65	8.86

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
	-19.8	-20	7.25	7.25	7.25	7.25	7.25
	-17.8	-18	7.72	7.72	7.72	7.72	7.72
	-15.7	-16	8.18	8.18	8.18	8.18	8.18
	-13.7	-14	8.65	8.65	8.65	8.65	8.65
	-11.7	-12	9.12	9.12	9.12	9.12	9.12
Hi	-9.6	-10	9.58	9.58	9.58	9.58	9.58
	-7.5	-8	10.17	10.17	10.17	10.17	10.17
34	-5.5	-6	10.75	10.75	10.75	10.75	10.75
(m³/min)	-3.4	-4	11.13	11.11	11.09	10.98	10.88
	-1.3	-2	11.50	11.47	11.44	11.22	11.00
	0.8	0	12.13	11.95	11.78	11.36	10.94
	3.9	3	13.16	12.69	12.22	11.53	10.84
	7.0	6	14.38	13.44	12.50	11.63	10.75
	10.1	9	14.28	13.37	12.45	11.55	10.66
	13.2	12	14.19	13.28	12.38	11.47	10.56
	16.9	15.5	14.08	13.17	12.27	11.36	10.45

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
	10			7.79	6.80	9.31	7.69	10.07	7.83	10.71	7.92	12.00	8.56	12.46	8.36
	12			7.79	6.80	9.31	7.69	10.07	7.83	10.70	7.92	11.96	8.54	12.41	8.34
	14			7.79	6.80	9.31	7.69	10.07	7.83	10.68	7.91	11.91	8.53	12.35	8.32
	16			7.79	6.80	9.31	7.69	10.07	7.83	10.67	7.90	11.87	8.51	12.30	8.30
	18			7.79	6.80	9.31	7.69	10.07	7.83	10.66	7.90	11.83	8.50	12.25	8.29
Lo	20			7.79	6.80	9.31	7.69	10.07	7.83	10.64	7.89	11.78	8.48	12.19	8.27
	22			7.78	6.80	9.31	7.69	10.07	7.83	10.59	7.87	11.63	8.43	12.03	8.21
27	24			7.77	6.79	9.30	7.68	10.07	7.83	10.54	7.85	11.49	8.38	11.86	8.16
(m³/min)	26			7.76	6.79	9.26	7.65	9.98	7.80	10.42	7.81	11.30	8.31	11.68	8.10
	28	7.03	6.72	7.75	6.78	9.22	7.64	9.88	7.76	10.29	7.76	11.12	8.24	11.49	8.04
	30	7.03	6.72	7.73	6.78	9.14	7.60	9.79	7.72	10.17	7.71	10.95	8.19	11.32	7.99
	32	7.03	6.72	7.71	6.77	9.07	7.57	9.69	7.68	10.05	7.67	10.78	8.12	11.15	7.93
	34	7.03	6.72	7.69	6.76	9.04	7.56	9.56	7.63	9.89	7.60	10.56	8.05	10.92	7.86
	35	7.03	6.72	7.68	6.75	9.03	7.56	9.50	7.61	9.81	7.58	10.44	8.01	10.81	7.82
	36	7.03	6.72	7.67	6.75	8.96	7.53	9.45	7.59	9.72	7.54	10.26	7.94	10.60	7.75
	38	7.03	6.72	7.65	6.74	8.82	7.47	9.36	7.54	9.53	7.47	9.88	7.81	10.18	7.62
	39	7.03	6.72	7.64	6.74	8.75	7.45	9.31	7.52	9.44	7.42	9.69	7.73	9.97	7.54
	41	7.03	6.72	7.61	6.72	8.49	7.34	8.93	7.37	9.04	7.27	9.26	7.59	9.50	7.39
	43	7.03	6.72	7.58	6.71	8.23	7.24	8.55	7.23	8.64	7.13	8.83	7.44	9.03	7.25

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
	-19.8	-20	6.00	6.00	6.00	6.00	6.00
	-17.8	-18	6.38	6.38	6.38	6.38	6.38
	-15.7	-16	6.77	6.77	6.77	6.77	6.77
	-13.7	-14	7.16	7.16	7.16	7.16	7.16
	-11.7	-12	7.54	7.54	7.54	7.54	7.54
Lo	-9.6	-10	7.93	7.93	7.93	7.93	7.93
	-7.5	-8	8.41	8.41	8.41	8.41	8.41
27	-5.5	-6	8.89	8.89	8.89	8.89	8.89
(m³/min)	-3.4	-4	9.20	9.19	9.18	9.09	9.00
	-1.3	-2	9.51	9.49	9.46	9.28	9.10
	0.8	0	10.03	9.89	9.75	9.40	9.05
	3.9	3	10.88	10.50	10.11	9.54	8.97
	7.0	6	11.89	11.12	10.34	9.62	8.89
	10.1	9	11.81	11.06	10.30	9.56	8.81
	13.2	12	11.74	10.99	10.24	9.49	8.74
	16.9	15.5	11.65	10.90	10.15	9.40	8.65

Model **FDU140KXE6D** Cool Mode

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
	10			11.48	10.15	13.72	11.46	14.84	11.67	15.79	11.81	17.69	12.74	18.36	12.44
	12			11.48	10.15	13.72	11.46	14.84	11.67	15.77	11.80	17.62	12.71	18.28	12.41
	14			11.48	10.15	13.72	11.46	14.84	11.67	15.75	11.80	17.56	12.69	18.20	12.39
	16			11.48	10.15	13.72	11.46	14.84	11.67	15.72	11.78	17.49	12.67	18.13	12.36
	18			11.48	10.15	13.72	11.46	14.84	11.67	15.70	11.77	17.43	12.65	18.05	12.34
Hi	20			11.48	10.15	13.72	11.46	14.84	11.67	15.68	11.77	17.37	12.62	17.97	12.31
	22			11.46	10.14	13.71	11.45	14.84	11.67	15.61	11.74	17.15	12.55	17.72	12.23
42	24			11.44	10.13	13.71	11.45	14.84	11.67	15.54	11.69	16.93	12.47	17.48	12.16
(m³/min)	26			11.43	10.13	13.64	11.42	14.70	11.61	15.35	11.62	16.66	12.38	17.21	12.07
	28	10.36	9.95	11.42	10.13	13.58	11.40	14.56	11.56	15.17	11.56	16.39	12.29	16.94	11.99
	30	10.36	9.95	11.40	10.12	13.48	11.36	14.42	11.51	14.99	11.49	16.14	12.20	16.69	11.91
	32	10.36	9.95	11.37	10.10	13.37	11.30	14.28	11.45	14.82	11.43	15.89	12.12	16.43	11.83
	34	10.36	9.95	11.33	10.09	13.32	11.28	14.09	11.38	14.58	11.34	15.56	12.00	16.09	11.72
	35	10.36	9.95	11.31	10.08	13.30	11.27	14.00	11.34	14.46	11.29	15.39	11.95	15.92	11.67
	36	10.36	9.95	11.30	10.08	13.20	11.23	13.93	11.32	14.32	11.24	15.11	11.85	15.61	11.57
	38	10.36	9.95	11.27	10.06	13.00	11.15	13.79	11.26	14.05	11.14	14.56	11.67	15.00	11.36
	39	10.36	9.95	11.26	10.06	12.90	11.11	13.72	11.24	13.91	11.07	14.28	11.55	14.69	11.27
	41	10.36	9.95	11.22	10.02	12.51	10.96	13.16	11.01	13.32	10.86	13.65	11.34	14.00	11.06
	43	10.36	9.95	11.18	10.00	12.13	10.81	12.60	10.79	12.74	10.65	13.02	11.14	13.31	10.85

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
	-19.8	-20	9.28	9.28	9.28	9.28	9.28
	-17.8	-18	9.88	9.88	9.88	9.88	9.88
	-15.7	-16	10.47	10.47	10.47	10.47	10.47
	-13.7	-14	11.07	11.07	11.07	11.07	11.07
	-11.7	-12	11.67	11.67	11.67	11.67	11.67
Hi	-9.6	-10	12.27	12.27	12.27	12.27	12.27
	-7.5	-8	13.01	13.01	13.01	13.01	13.01
42	-5.5	-6	13.76	13.76	13.76	13.76	13.76
(m³/min)	-3.4	-4	14.24	14.22	14.20	14.06	13.92
	-1.3	-2	14.72	14.68	14.64	14.36	14.08
	0.8	0	15.52	15.30	15.08	14.54	14.00
	3.9	3	16.84	16.24	15.64	14.76	13.88
	7.0	6	18.40	17.20	16.00	14.88	13.76
	10.1	9	18.28	17.11	15.94	14.79	13.64
	13.2	12	18.16	17.00	15.84	14.68	13.52
	16.9	15.5	18.02	16.86	15.70	14.54	13.38

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
	10			9.89	8.53	11.83	9.65	12.79	9.84	13.61	9.95	15.25	10.75	15.83	10.49
	12			9.89	8.53	11.83	9.65	12.79	9.84	13.59	9.94	15.19	10.73	15.76	10.47
	14			9.89	8.53	11.83	9.65	12.79	9.84	13.58	9.94	15.14	10.71	15.70	10.45
	16			9.89	8.53	11.83	9.65	12.79	9.84	13.56	9.93	15.08	10.69	15.63	10.43
	18			9.89	8.53	11.83	9.65	12.79	9.84	13.54	9.92	15.03	10.67	15.56	10.40
Lo	20			9.89	8.53	11.83	9.65	12.79	9.84	13.52	9.91	14.97	10.65	15.49	10.38
	22			9.88	8.53	11.82	9.65	12.79	9.84	13.46	9.89	14.78	10.58	15.28	10.31
33.5	24			9.87	8.53	11.82	9.65	12.79	9.84	13.39	9.86	14.59	10.51	15.07	10.24
(m³/min)	26			9.86	8.52	11.76	9.62	12.67	9.79	13.24	9.81	14.36	10.43	14.84	10.16
	28	8.93	8.43	9.85	8.52	11.71	9.60	12.55	9.74	13.08	9.74	14.13	10.35	14.60	10.09
	30	8.93	8.43	9.82	8.50	11.62	9.56	12.43	9.69	12.93	9.69	13.92	10.27	14.39	10.02
	32	8.93	8.43	9.80	8.50	11.53	9.51	12.31	9.65	12.77	9.63	13.70	10.19	14.17	9.95
	34	8.93	8.43	9.77	8.48	11.49	9.49	12.15	9.58	12.57	9.55	13.41	10.09	13.87	9.85
	35	8.93	8.43	9.75	8.47	11.47	9.49	12.07	9.55	12.47	9.51	13.27	10.04	13.73	9.81
	36	8.93	8.43	9.74	8.47	11.38	9.45	12.01	9.53	12.35	9.47	13.03	9.96	13.46	9.72
	38	8.93	8.43	9.72	8.46	11.21	9.38	11.89	9.48	12.11	9.38	12.55	9.79	12.93	9.55
	39	8.93	8.43	9.70	8.45	11.12	9.35	11.83	9.46	11.99	9.33	12.31	9.71	12.66	9.47
	41	8.93	8.43	9.67	8.44	10.79	9.21	11.35	9.25	11.49	9.13	11.77	9.51	12.07	9.26
	43	8.93	8.43	9.64	8.43	10.45	9.08	10.86	9.06	10.98	8.94	11.22	9.32	11.48	9.08

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
	-19.8	-20	7.78	7.78	7.78	7.78	7.78
	-17.8	-18	8.28	8.28	8.28	8.28	8.28
	-15.7	-16	8.78	8.78	8.78	8.78	8.78
	-13.7	-14	9.28	9.28	9.28	9.28	9.28
	-11.7	-12	9.78	9.78	9.78	9.78	9.78
Lo	-9.6	-10	10.28	10.28	10.28	10.28	10.28
	-7.5	-8	10.91	10.91	10.91	10.91	10.91
33.5	-5.5	-6	11.53	11.53	11.53	11.53	11.53
(m³/min)	-3.4	-4	11.93	11.92	11.90	11.78	11.67
	-1.3	-2	12.34	12.30	12.27	12.04	11.80
	0.8	0	13.01	12.82	12.64	12.19	11.73
	3.9	3	14.11	13.61	13.11	12.37	11.63
	7.0	6	15.42	14.42	13.41	12.47	11.53
	10.1	9	15.32	14.34	13.36	12.40	11.43
	13.2	12	15.22	14.25	13.28	12.30	11.33
	16.9	15.5	15.10	14.13	13.16	12.19	11.21

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJD001Z307

Model **FDU224KXE6F** Cool Mode

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			18.36	14.34	21.95	16.22	23.74	16.62	25.26	16.87	28.30	18.19	29.38	17.71
	12			18.36	14.34	21.95	16.22	23.74	16.62	25.23	16.86	28.19	18.15	29.25	17.66
	14			18.36	14.34	21.95	16.22	23.74	16.62	25.19	16.85	28.09	18.12	29.13	17.62
	16			18.36	14.34	21.95	16.22	23.74	16.62	25.16	16.83	27.99	18.08	29.00	17.58
	18			18.36	14.34	21.95	16.22	23.74	16.62	25.13	16.82	27.89	18.04	28.87	17.53
50Hz	20			18.36	14.34	21.95	16.22	23.74	16.62	25.09	16.81	27.79	18.00	28.75	17.49
	22			18.34	14.33	21.94	16.21	23.74	16.62	24.97	16.75	27.43	17.86	28.36	17.27
51	24			18.31	14.32	21.93	16.21	23.74	16.62	24.86	16.71	27.08	17.70	27.96	17.13
(m³/min)	26			18.29	14.31	21.83	16.17	23.52	16.53	24.57	16.57	26.66	17.49	27.53	16.99
	28	16.58	14.10	18.28	14.30	21.73	16.13	23.30	16.44	24.27	16.45	26.23	17.33	27.10	16.84
	30	16.58	14.10	18.23	14.28	21.56	16.05	23.07	16.34	23.99	16.34	25.83	17.18	26.70	16.70
	32	16.58	14.10	18.19	14.26	21.39	15.98	22.85	16.25	23.71	16.22	25.43	17.03	26.29	16.56
	34	16.58	14.10	18.13	14.24	21.32	15.95	22.55	16.13	23.33	16.07	24.89	16.83	25.75	16.38
	35	16.58	14.10	18.10	14.22	21.28	15.93	22.40	16.04	23.14	15.99	24.62	16.73	25.48	16.29
	36	16.58	14.10	18.08	14.21	21.12	15.86	22.29	15.99	22.92	15.88	24.18	16.57	24.98	16.12
	38	16.58	14.10	18.03	14.19	20.80	15.73	22.06	15.90	22.47	15.71	23.30	16.25	23.99	15.80
	39	16.58	14.10	18.01	14.18	20.64	15.66	21.95	15.86	22.25	15.62	22.85	16.09	23.50	15.63
	41	16.58	14.10	17.95	14.16	20.02	15.38	21.06	15.49	21.32	15.26	21.84	15.70	22.40	15.25
	43	16.58	14.10	17.88	14.12	19.40	15.12	20.16	15.11	20.38	14.87	20.82	15.35	21.30	14.89

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	14.50	14.50	14.50	14.50	14.50
	-17.8	-18	15.43	15.43	15.43	15.43	15.43
	-15.7	-16	16.37	16.37	16.37	16.37	16.37
	-13.7	-14	17.30	17.30	17.30	17.30	17.30
	-11.7	-12	18.23	18.23	18.23	18.23	18.23
50Hz	-9.6	-10	19.17	19.17	19.17	19.17	19.17
	-7.5	-8	20.33	20.33	20.33	20.33	20.33
51	-5.5	-6	21.50	21.50	21.50	21.50	21.50
(m³/min)	-3.4	-4	22.25	22.22	22.19	21.97	21.75
	-1.3	-2	23.00	22.94	22.88	22.44	22.00
	0.8	0	24.25	23.91	23.56	22.72	21.88
	3.9	3	26.31	25.38	24.44	23.06	21.69
	7.0	6	28.75	26.88	25.00	23.25	21.50
	10.1	9	28.56	26.73	24.91	23.11	21.31
	13.2	12	28.38	26.56	24.75	22.94	21.13
	16.9	15.5	28.16	26.34	24.53	22.72	20.91

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			18.36	15.42	21.95	17.43	23.74	17.78	25.26	18.02	28.30	19.44	29.38	18.96
	12			18.36	15.42	21.95	17.43	23.74	17.78	25.23	18.01	28.19	19.40	29.25	18.92
	14			18.36	15.42	21.95	17.43	23.74	17.78	25.19	17.99	28.09	19.37	29.13	18.88
	16			18.36	15.42	21.95	17.43	23.74	17.78	25.16	17.98	27.99	19.33	29.00	18.84
	18			18.36	15.42	21.95	17.43	23.74	17.78	25.13	17.97	27.89	19.30	28.87	18.79
60Hz	20			18.36	15.42	21.95	17.43	23.74	17.78	25.09	17.95	27.79	19.26	28.75	18.75
	22			18.34	15.42	21.94	17.42	23.74	17.78	24.97	17.91	27.43	19.13	28.36	18.63
60	24			18.31	15.40	21.93	17.42	23.74	17.78	24.86	17.86	27.08	19.00	27.96	18.49
(m³/min)	26			18.29	15.39	21.83	17.38	23.52	17.69	24.57	17.72	26.66	18.85	27.53	18.35
	28	16.58	15.21	18.28	15.39	21.73	17.34	23.30	17.60	24.27	17.60	26.23	18.70	27.10	18.18
	30	16.58	15.21	18.23	15.37	21.56	17.27	23.07	17.51	23.99	17.50	25.83	18.56	26.70	18.05
	32	16.58	15.21	18.19	15.35	21.39	17.20	22.85	17.43	23.71	17.39	25.43	18.38	26.29	17.92
	34	16.58	15.21	18.13	15.33	21.32	17.14	22.55	17.31	23.33	17.25	24.89	18.19	25.75	17.74
	35	16.58	15.21	18.10	15.31	21.28	17.12	22.40	16.35	23.14	17.18	24.62	18.10	25.48	17.66
	36	16.58	15.21	18.08	15.31	21.12	17.06	22.29	17.21	22.92	17.09	24.18	17.95	24.98	17.50
	38	16.58	15.21	18.03	15.28	20.80	16.93	22.06	17.11	22.47	16.92	23.30	17.64	23.99	17.15
	39	16.58	15.21	18.01	15.28	20.64	16.87	21.95	17.07	22.25	16.84	22.85	17.45	23.50	17.00
	41	16.58	15.21	17.95	15.25	20.02	16.56	21.06	16.64	21.32	16.40	21.84	17.10	22.40	16.65
	43	16.58	15.21	17.88	15.19	19.40	16.31	20.16	16.29	20.38	16.05	20.82	16.76	21.30	16.32

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	14.50	14.50	14.50	14.50	14.50
	-17.8	-18	15.43	15.43	15.43	15.43	15.43
	-15.7	-16	16.37	16.37	16.37	16.37	16.37
	-13.7	-14	17.30	17.30	17.30	17.30	17.30
	-11.7	-12	18.23	18.23	18.23	18.23	18.23
60Hz	-9.6	-10	19.17	19.17	19.17	19.17	19.17
	-7.5	-8	20.33	20.33	20.33	20.33	20.33
60	-5.5	-6	21.50	21.50	21.50	21.50	21.50
(m³/min)	-3.4	-4	22.25	22.22	22.19	21.97	21.75
	-1.3	-2	23.00	22.94	22.88	22.44	22.00
	0.8	0	24.25	23.91	23.56	22.72	21.88
	3.9	3	26.31	25.38	24.44	23.06	21.69
	7.0	6	28.75	26.88	25.00	23.25	21.50
	10.1	9	28.56	26.73	24.91	23.11	21.31
	13.2	12	28.38	26.56	24.75	22.94	21.13
	16.9	15.5	28.16	26.34	24.53	22.72	20.91

Model **FDU280KXE6F** Cool Mode

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			22.95	18.41	27.44	20.85	29.68	21.31	31.58	21.62	35.37	23.26	36.73	22.66
	12			22.95	18.41	27.44	20.85	29.68	21.31	31.53	21.60	35.24	23.21	36.57	22.60
	14			22.95	18.41	27.44	20.85	29.68	21.31	31.49	21.58	35.12	23.16	36.41	22.54
	16			22.95	18.41	27.44	20.85	29.68	21.31	31.45	21.56	34.99	23.12	36.25	22.49
	18			22.95	18.41	27.44	20.85	29.68	21.31	31.41	21.55	34.86	23.07	36.09	22.44
50Hz	20			22.95	18.41	27.44	20.85	29.68	21.31	31.36	21.53	34.73	23.02	35.93	22.38
	22			22.92	18.40	27.43	20.84	29.68	21.31	31.22	21.47	34.29	22.85	35.44	22.21
68	24			22.89	18.39	27.42	20.84	29.68	21.31	31.07	21.41	33.85	22.69	34.95	22.04
(m³/min)	26			22.87	18.38	27.29	20.78	29.40	21.19	30.71	21.27	33.32	22.49	34.42	21.87
	28	20.72	18.15	22.85	18.37	27.16	20.73	29.12	21.08	30.34	21.09	32.78	22.29	33.88	21.69
	30	20.72	18.15	22.79	18.34	26.95	20.61	28.84	20.96	29.99	20.95	32.29	22.11	33.37	21.52
	32	20.72	18.15	22.74	18.32	26.74	20.52	28.56	20.85	29.64	20.81	31.79	21.93	32.87	21.35
	34	20.72	18.15	22.66	18.29	26.65	20.49	28.19	20.70	29.16	20.63	31.11	21.68	32.19	21.13
	35	20.72	18.15	22.62	18.27	26.60	20.46	28.00	20.62	28.93	20.54	30.78	21.57	31.85	21.01
	36	20.72	18.15	22.60	18.26	26.40	20.38	27.86	20.57	28.65	20.43	30.23	21.37	31.23	20.81
	38	20.72	18.15	22.54	18.23	26.00	20.22	27.58	20.45	28.09	20.21	29.12	20.94	29.99	20.37
	39	20.72	18.15	22.51	18.22	25.80	20.13	27.44	20.37	27.82	20.08	28.57	20.74	29.37	20.17
	41	20.72	18.15	22.43	18.19	25.02	19.81	26.32	19.92	26.65	19.62	27.30	20.30	28.00	19.74
	43	20.72	18.15	22.35	18.15	24.25	19.49	25.20	19.47	25.48	19.18	26.03	19.82	26.62	19.26

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	18.27	18.27	18.27	18.27	18.27
	-17.8	-18	19.45	19.45	19.45	19.45	19.45
	-15.7	-16	20.62	20.62	20.62	20.62	20.62
	-13.7	-14	21.80	21.80	21.80	21.80	21.80
	-11.7	-12	22.97	22.97	22.97	22.97	22.97
50Hz	-9.6	-10	24.15	24.15	24.15	24.15	24.15
	-7.5	-8	25.62	25.62	25.62	25.62	25.62
68	-5.5	-6	27.09	27.09	27.09	27.09	27.09
(m³/min)	-3.4	-4	28.04	28.00	27.96	27.68	27.41
	-1.3	-2	28.98	28.90	28.82	28.27	27.72
	0.8	0	30.56	30.12	29.69	28.63	27.56
	3.9	3	33.15	31.97	30.79	29.06	27.33
	7.0	6	36.23	33.86	31.50	29.30	27.09
	10.1	9	35.99	33.69	31.38	29.12	26.85
	13.2	12	35.75	33.47	31.19	28.90	26.62
	16.9	15.5	35.48	33.19	30.91	28.63	26.34

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			22.95	19.88	27.44	22.46	29.68	22.93	31.58	23.18	35.37	25.07	36.73	24.48
	12			22.95	19.88	27.44	22.46	29.68	22.93	31.53	23.16	35.24	25.02	36.57	24.43
	14			22.95	19.88	27.44	22.46	29.68	22.93	31.49	23.14	35.12	24.98	36.41	24.38
	16			22.95	19.88	27.44	22.46	29.68	22.93	31.45	23.13	34.99	24.94	36.25	24.33
	18			22.95	19.88	27.44	22.46	29.68	22.93	31.41	23.11	34.86	24.89	36.09	24.23
60Hz	20			22.95	19.88	27.44	22.46	29.68	22.93	31.36	23.09	34.73	24.84	35.93	24.17
	22			22.92	19.87	27.43	22.45	29.68	22.93	31.22	23.04	34.29	24.64	35.44	24.02
80	24			22.89	19.85	27.42	22.45	29.68	22.93	31.07	22.98	33.85	24.49	34.95	23.86
(m³/min)	26			22.87	19.84	27.29	22.39	29.40	22.81	30.71	22.85	33.32	24.30	34.42	23.69
	28	20.72	19.65	22.85	19.84	27.16	22.26	29.12	22.71	30.34	22.70	32.78	24.11	33.88	23.51
	30	20.72	19.65	22.79	19.81	26.95	22.18	28.84	22.56	29.99	22.58	32.29	23.95	33.37	23.35
	32	20.72	19.65	22.74	19.79	26.74	22.10	28.56	22.44	29.64	22.44	31.79	23.77	32.87	23.20
	34	20.72	19.65	22.66	19.76	26.65	22.06	28.19	22.31	29.16	22.22	31.11	23.53	32.19	22.93
	35	20.72	19.65	22.62	19.74	26.60	22.04	28.00	21.00	28.93	22.05	30.78	23.38	31.85	22.83
	36	20.72	19.65	22.60	19.73	26.40	21.96	27.86	22.10	28.65	21.95	30.23	23.19	31.23	22.63
	38	20.72	19.65	22.54	19.70	26.00	21.80	27.58	21.98	28.09	21.74	29.12	22.81	29.99	22.25
	39	20.72	19.65	22.51	19.69	25.80	21.72	27.44	21.93	27.82	21.64	28.57	22.63	29.37	22.05
	41	20.72	19.65	22.43	19.66	25.02	21.41	26.32	21.50	26.65	21.21	27.30	22.20	28.00	21.63
	43	20.72	19.65	22.35	19.62	24.25	21.10	25.20	21.07	25.48	20.78	26.03	21.73	26.62	21.16

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	18.27	18.27	18.27	18.27	18.27
	-17.8	-18	19.45	19.45	19.45	19.45	19.45
	-15.7	-16	20.62	20.62	20.62	20.62	20.62
	-13.7	-14	21.80	21.80	21.80	21.80	21.80
	-11.7	-12	22.97	22.97	22.97	22.97	22.97
60Hz	-9.6	-10	24.15	24.15	24.15	24.15	24.15
	-7.5	-8	25.62	25.62	25.62	25.62	25.62
80	-5.5	-6	27.09	27.09	27.09	27.09	27.09
(m³/min)	-3.4	-4	28.04	28.00	27.96	27.68	27.41
	-1.3	-2	28.98	28.90	28.82	28.27	27.72
	0.8	0	30.56	30.12	29.69	28.63	27.56
	3.9	3	33.15	31.97	30.79	29.06	27.33
	7.0	6	36.23	33.86	31.50	29.30	27.09
	10.1	9	35.99	33.69	31.38	29.12	26.85
	13.2	12	35.75	33.47	31.19	28.90	26.62
	16.9	15.5	35.48	33.19	30.91	28.63	26.34

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJD001Z364

(g) Duct connected-Low/Middle static pressure type (FDUM)

Model **FDUM22KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃WB TC	21℃CDB 14℃WB SHC	23℃CDB 16℃WB TC	23℃CDB 16℃WB SHC	26℃CDB 18℃WB TC	26℃CDB 18℃WB SHC	27℃CDB 19℃WB TC	27℃CDB 19℃WB SHC	28℃CDB 20℃WB TC	28℃CDB 20℃WB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
P-Hi 13 (m³/min)	10			1.80	1.73	2.16	2.07	2.33	2.24	2.48	2.38	2.78	2.67	2.89	2.77
	12			1.80	1.73	2.16	2.07	2.33	2.24	2.48	2.38	2.77	2.66	2.87	2.76
	14			1.80	1.73	2.16	2.07	2.33	2.24	2.47	2.37	2.76	2.65	2.86	2.75
	16			1.80	1.73	2.16	2.07	2.33	2.24	2.47	2.37	2.75	2.64	2.85	2.74
	18			1.80	1.73	2.16	2.07	2.33	2.24	2.47	2.37	2.74	2.63	2.84	2.73
	20			1.80	1.73	2.16	2.07	2.33	2.24	2.46	2.36	2.73	2.62	2.82	2.71
	22			1.80	1.73	2.15	2.06	2.33	2.24	2.45	2.35	2.69	2.58	2.78	2.67
	24			1.80	1.73	2.15	2.06	2.33	2.24	2.44	2.34	2.66	2.55	2.75	2.64
	26			1.80	1.73	2.14	2.05	2.31	2.22	2.41	2.31	2.62	2.52	2.70	2.59
	28	1.63	1.56	1.80	1.73	2.13	2.04	2.29	2.20	2.38	2.28	2.58	2.48	2.66	2.55
	30	1.63	1.56	1.79	1.72	2.12	2.04	2.27	2.18	2.36	2.27	2.54	2.44	2.62	2.52
	32	1.63	1.56	1.79	1.72	2.10	2.02	2.24	2.15	2.33	2.24	2.50	2.40	2.58	2.48
	34	1.63	1.56	1.78	1.71	2.09	2.01	2.21	2.12	2.29	2.20	2.44	2.34	2.53	2.43
	35	1.63	1.56	1.78	1.71	2.09	2.01	2.20	2.11	2.27	2.18	2.42	2.32	2.50	2.40
	36	1.63	1.56	1.78	1.71	2.07	1.99	2.19	2.10	2.25	2.16	2.37	2.28	2.45	2.35
	38	1.63	1.56	1.77	1.70	2.04	1.96	2.17	2.08	2.21	2.12	2.29	2.20	2.36	2.27
	39	1.63	1.56	1.77	1.70	2.03	1.95	2.16	2.07	2.19	2.10	2.24	2.15	2.31	2.22
	41	1.63	1.56	1.76	1.69	1.97	1.89	2.07	1.99	2.09	2.01	2.14	2.05	2.20	2.11
	43	1.63	1.56	1.76	1.69	1.91	1.83	1.98	1.90	2.00	1.92	2.05	1.97	2.09	2.01

Heat Mode

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
P-Hi 13 (m³/min)	-19.8	-20	1.45	1.45	1.45	1.45	1.45
	-17.8	-18	1.54	1.54	1.54	1.54	1.54
	-15.7	-16	1.64	1.64	1.64	1.64	1.64
	-13.7	-14	1.73	1.73	1.73	1.73	1.73
	-11.7	-12	1.82	1.82	1.82	1.82	1.82
	-9.6	-10	1.92	1.92	1.92	1.92	1.92
	-7.5	-8	2.03	2.03	2.03	2.03	2.03
	-5.5	-6	2.15	2.15	2.15	2.15	2.15
	-3.4	-4	2.23	2.22	2.22	2.20	2.18
	-1.3	-2	2.30	2.29	2.29	2.24	2.20
	0.8	0	2.43	2.39	2.36	2.27	2.19
	3.9	3	2.63	2.54	2.44	2.31	2.17
	7.0	6	2.88	2.69	2.50	2.33	2.15
	10.1	9	2.86	2.67	2.49	2.31	2.13
	13.2	12	2.84	2.66	2.48	2.29	2.11
	16.9	15.5	2.82	2.63	2.45	2.27	2.09

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃WB TC	21℃CDB 14℃WB SHC	23℃CDB 16℃WB TC	23℃CDB 16℃WB SHC	26℃CDB 18℃WB TC	26℃CDB 18℃WB SHC	27℃CDB 19℃WB TC	27℃CDB 19℃WB SHC	28℃CDB 20℃WB TC	28℃CDB 20℃WB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Hi 10 (m³/min)	10			1.78	1.71	2.13	2.04	2.30	2.21	2.45	2.35	2.74	2.58	2.85	2.54
	12			1.78	1.71	2.13	2.04	2.30	2.21	2.44	2.34	2.73	2.58	2.83	2.53
	14			1.78	1.71	2.13	2.04	2.30	2.21	2.44	2.34	2.72	2.58	2.82	2.53
	16			1.78	1.71	2.13	2.04	2.30	2.21	2.44	2.34	2.71	2.57	2.81	2.52
	18			1.78	1.71	2.13	2.04	2.30	2.21	2.43	2.33	2.70	2.57	2.80	2.52
	20			1.78	1.71	2.13	2.04	2.30	2.21	2.43	2.33	2.69	2.57	2.78	2.52
	22			1.78	1.71	2.13	2.04	2.30	2.21	2.42	2.32	2.66	2.55	2.75	2.51
	24			1.77	1.70	2.12	2.04	2.30	2.21	2.41	2.31	2.62	2.52	2.71	2.49
	26			1.77	1.70	2.11	2.03	2.28	2.19	2.38	2.28	2.58	2.48	2.67	2.48
	28	1.61	1.55	1.77	1.70	2.10	2.02	2.26	2.17	2.35	2.26	2.54	2.44	2.63	2.47
	30	1.61	1.55	1.77	1.70	2.09	2.01	2.24	2.15	2.32	2.23	2.50	2.40	2.59	2.46
	32	1.61	1.55	1.76	1.69	2.07	1.99	2.21	2.12	2.30	2.21	2.46	2.36	2.55	2.45
	34	1.61	1.55	1.76	1.69	2.07	1.99	2.18	2.09	2.26	2.17	2.41	2.31	2.49	2.39
	35	1.61	1.55	1.75	1.68	2.06	1.98	2.17	2.08	2.24	2.15	2.39	2.29	2.47	2.37
	36	1.61	1.55	1.75	1.68	2.05	1.97	2.16	2.07	2.22	2.13	2.34	2.25	2.42	2.32
	38	1.61	1.55	1.75	1.68	2.01	1.93	2.14	2.05	2.18	2.09	2.26	2.17	2.32	2.23
	39	1.61	1.55	1.74	1.67	2.00	1.92	2.13	2.04	2.16	2.07	2.21	2.12	2.28	2.19
	41	1.61	1.55	1.74	1.67	1.94	1.86	2.04	1.96	2.07	1.99	2.12	2.04	2.17	2.08
	43	1.61	1.55	1.73	1.66	1.88	1.80	1.95	1.87	1.97	1.89	2.02	1.94	2.06	1.98

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Hi 10 (m³/min)	-19.8	-20	1.43	1.43	1.43	1.43	1.43
	-17.8	-18	1.52	1.52	1.52	1.52	1.52
	-15.7	-16	1.61	1.61	1.61	1.61	1.61
	-13.7	-14	1.70	1.70	1.70	1.70	1.70
	-11.7	-12	1.79	1.79	1.79	1.79	1.79
	-9.6	-10	1.89	1.89	1.89	1.89	1.89
	-7.5	-8	2.00	2.00	2.00	2.00	2.00
	-5.5	-6	2.12	2.12	2.12	2.12	2.12
	-3.4	-4	2.19	2.19	2.18	2.16	2.14
	-1.3	-2	2.26	2.26	2.25	2.21	2.16
	0.8	0	2.39	2.35	2.32	2.24	2.15
	3.9	3	2.59	2.50	2.40	2.27	2.13
	7.0	6	2.83	2.64	2.46	2.29	2.12
	10.1	9	2.81	2.63	2.45	2.27	2.10
	13.2	12	2.79	2.61	2.44	2.26	2.08
	16.9	15.5	2.77	2.59	2.41	2.24	2.06

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃WB TC	21℃CDB 14℃WB SHC	23℃CDB 16℃WB TC	23℃CDB 16℃WB SHC	26℃CDB 18℃WB TC	26℃CDB 18℃WB SHC	27℃CDB 19℃WB TC	27℃CDB 19℃WB SHC	28℃CDB 20℃WB TC	28℃CDB 20℃WB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Me 9 (m³/min)	10			1.70	1.63	2.04	1.96	2.20	2.11	2.35	2.20	2.63	2.38	2.73	2.33
	12			1.70	1.63	2.04	1.96	2.20	2.11	2.34	2.19	2.62	2.38	2.72	2.33
	14			1.70	1.63	2.04	1.96	2.20	2.11	2.34	2.19	2.61	2.37	2.70	2.32
	16			1.70	1.63	2.04	1.96	2.20	2.11	2.34	2.19	2.60	2.37	2.69	2.32
	18			1.70	1.63	2.04	1.96	2.20	2.11	2.33	2.19	2.59	2.37	2.68	2.32
	20			1.70	1.63	2.04	1.96	2.20	2.11	2.33	2.19	2.58	2.36	2.67	2.31
	22			1.70	1.63	2.04	1.96	2.20	2.11	2.32	2.19	2.55	2.35	2.63	2.30
	24			1.70	1.63	2.04	1.96	2.20	2.11	2.31	2.18	2.51	2.34	2.60	2.29
	26			1.70	1.63	2.03	1.95	2.18	2.09	2.28	2.17	2.48	2.33	2.56	2.28
	28	1.54	1.48	1.70	1.63	2.02	1.94	2.16	2.07	2.25	2.16	2.44	2.32	2.52	2.27
	30	1.54	1.48	1.69	1.62	2.00	1.92	2.14	2.05	2.23	2.14	2.40	2.30	2.48	2.26
	32	1.54	1.48	1.69	1.62	1.99	1.91	2.12	2.04	2.20	2.11	2.36	2.27	2.44	2.25
	34	1.54	1.48	1.68	1.61	1.98	1.90	2.09	2.01	2.17	2.08	2.31	2.22	2.39	2.23
	35	1.54	1.48	1.68	1.61	1.98	1.90	2.08	2.00	2.15	2.06	2.29	2.20	2.37	2.22
	36	1.54	1.48	1.68	1.61	1.96	1.88	2.07	1.99	2.13	2.04	2.25	2.16	2.32	2.21
	38	1.54	1.48	1.67	1.60	1.93	1.85	2.05	1.97	2.09	2.01	2.16	2.07	2.23	2.14
	39	1.54	1.48	1.67	1.60	1.92	1.84	2.04	1.96	2.07	1.99	2.12	2.04	2.18	2.09
	41	1.54	1.48	1.67	1.60	1.86	1.79	1.96	1.88	1.98	1.90	2.03	1.95	2.08	2.00
	43	1.54	1.48	1.66	1.59	1.80	1.73	1.87	1.80	1.89	1.81	1.93	1.85	1.98	1.90

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Me 9 (m³/min)	-19.8	-20	1.36	1.36	1.36	1.36	1.36
	-17.8	-18	1.45	1.45	1.45	1.45	1.45
	-15.7	-16	1.54	1.54	1.54	1.54	1.54
	-13.7	-14	1.63	1.63	1.63	1.63	1.63
	-11.7	-12	1.71	1.71	1.71	1.71	1.71
	-9.6	-10	1.80	1.80	1.80	1.80	1.80
	-7.5	-8	1.91	1.91	1.91	1.91	1.91
	-5.5	-6	2.02	2.02	2.02	2.02	2.02
	-3.4	-4	2.09	2.09	2.09	2.07	2.04
	-1.3	-2	2.16	2.16	2.15	2.11	2.07
	0.8	0	2.28	2.25	2.21	2.14	2.06
	3.9	3	2.47	2.39	2.30	2.17	2.04
	7.0	6	2.70	2.53	2.35	2.19	2.02
	10.1	9	2.68	2.51	2.34	2.17	2.00
	13.2	12	2.67	2.50	2.33	2.16	1.99
	16.9	15.5	2.65	2.48	2.31	2.14	1.97

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃WB TC	21℃CDB 14℃WB SHC	23℃CDB 16℃WB TC	23℃CDB 16℃WB SHC	26℃CDB 18℃WB TC	26℃CDB 18℃WB SHC	27℃CDB 19℃WB TC	27℃CDB 19℃WB SHC	28℃CDB 20℃WB TC	28℃CDB 20℃WB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Lo 8 (m³/min)	10			1.59	1.53	1.90	1.82	2.06	1.97	2.19	1.99	2.45	2.15	2.54	2.11
	12			1.59	1.53	1.90	1.82	2.06	1.97	2.18	1.98	2.44	2.15	2.53	2.10
	14			1.59	1.53	1.90	1.82	2.06	1.97	2.18	1.98	2.43	2.14	2.52	2.10
	16			1.59	1.53	1.90	1.82	2.06	1.97	2.18	1.98	2.42	2.14	2.51	2.10
	18			1.59	1.53	1.90	1.82	2.06	1.97	2.18	1.98	2.42	2.14	2.50	2.10
	20			1.59	1.53	1.90	1.82	2.06	1.97	2.17	1.98	2.41	2.14	2.49	2.09
	22			1.59	1.53	1.90	1.82	2.06	1.97	2.16	1.98	2.38	2.13	2.46	2.08
	24			1.59	1.53	1.90	1.82	2.06	1.97	2.15	1.97	2.35	2.12	2.42	2.07
	26			1.58	1.52	1.89	1.81	2.04	1.96	2.13	1.97	2.31	2.11	2.38	2.06
	28	1.44	1.38	1.58	1.52	1.88	1.80	2.02	1.94	2.10	1.96	2.27	2.09	2.35	2.05
	30	1.44	1.38	1.58	1.52	1.87	1.80	2.00	1.92	2.08	1.95	2.24	2.08	2.31	2.04
	32	1.44	1.38	1.58	1.52	1.85	1.78	1.98	1.90	2.05	1.94	2.20	2.07	2.28	2.03
	34	1.44	1.38	1.57	1.51	1.85	1.78	1.95	1.87	2.02	1.93	2.16	2.06	2.23	2.01
	35	1.44	1.38	1.57	1.51	1.84	1.77	1.94	1.86	2.00	1.92	2.13	2.04	2.21	2.01
	36	1.44	1.38	1.57	1.51	1.83	1.76	1.93	1.85	1.98	1.90	2.09	2.01	2.16	1.99
	38	1.44	1.38	1.56	1.50	1.80	1.73	1.91	1.83	1.95	1.87	2.02	1.94	2.08	1.97
	39	1.44	1.38	1.56	1.50	1.79	1.72	1.90	1.82	1.93	1.85	1.98	1.90	2.04	1.96
	41	1.44	1.38	1.55	1.49	1.73	1.66	1.82	1.75	1.85	1.78	1.89	1.81	1.94	1.86
	43	1.44	1.38	1.55	1.49	1.68	1.61	1.75	1.68	1.77	1.70	1.80	1.73	1.84	1.77

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Lo 8 (m³/min)	-19.8	-20	1.26	1.26	1.26	1.26	1.26
	-17.8	-18	1.35	1.35	1.35	1.35	1.35
	-15.7	-16	1.43	1.43	1.43	1.43	1.43
	-13.7	-14	1.51	1.51	1.51	1.51	1.51
	-11.7	-12	1.59	1.59	1.59	1.59	1.59
	-9.6	-10	1.67	1.67	1.67	1.67	1.67
	-7.5	-8	1.77	1.77	1.77	1.77	1.77
	-5.5	-6	1.87	1.87	1.87	1.87	1.87
	-3.4	-4	1.94	1.94	1.93	1.92	1.90
	-1.3	-2	2.01	2.00	1.99	1.96	1.92
	0.8	0	2.11	2.08	2.05	1.98	1.91
	3.9	3	2.29	2.21	2.13	2.01	1.89
	7.0	6	2.51	2.34	2.18	2.03	1.87
	10.1	9	2.49	2.33	2.17	2.02	1.86
	13.2	12	2.47	2.32	2.16	2.00	1.84
	16.9	15.5	2.46	2.30	2.14	1.98	1.82

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJG000Z022

Model **FDUM28KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
P-Hi 13 (m³/min)	10			2.30	2.21	2.74	2.63	2.97	2.85	3.16	3.03	3.54	3.35	3.67	3.29
	12			2.30	2.21	2.74	2.63	2.97	2.85	3.15	3.02	3.52	3.34	3.66	3.28
	14			2.30	2.21	2.74	2.63	2.97	2.85	3.15	3.02	3.51	3.34	3.64	3.28
	16			2.30	2.21	2.74	2.63	2.97	2.85	3.14	3.01	3.50	3.34	3.63	3.27
	18			2.30	2.21	2.74	2.63	2.97	2.85	3.14	3.01	3.49	3.33	3.61	3.27
	20			2.30	2.21	2.74	2.63	2.97	2.85	3.14	3.01	3.47	3.33	3.59	3.26
	22			2.29	2.20	2.74	2.63	2.97	2.85	3.12	3.00	3.43	3.29	3.54	3.25
	24			2.29	2.20	2.74	2.63	2.97	2.85	3.11	2.99	3.39	3.25	3.50	3.24
	26			2.29	2.20	2.73	2.62	2.94	2.82	3.07	2.95	3.33	3.20	3.44	3.22
	28	2.07	1.99	2.28	2.19	2.72	2.61	2.91	2.79	3.03	2.91	3.28	3.15	3.39	3.20
	30	2.07	1.99	2.28	2.19	2.70	2.59	2.88	2.76	3.00	2.88	3.23	3.10	3.34	3.19
	32	2.07	1.99	2.27	2.18	2.67	2.56	2.86	2.75	2.96	2.84	3.18	3.05	3.29	3.16
	34	2.07	1.99	2.27	2.18	2.66	2.55	2.82	2.71	2.92	2.80	3.11	2.99	3.22	3.09
	35	2.07	1.99	2.26	2.17	2.66	2.55	2.80	2.69	2.89	2.77	3.08	2.96	3.18	3.05
	36	2.07	1.99	2.26	2.17	2.64	2.53	2.79	2.68	2.86	2.75	3.02	2.90	3.12	3.00
	38	2.07	1.99	2.25	2.16	2.60	2.50	2.76	2.65	2.81	2.70	2.91	2.79	3.00	2.88
	39	2.07	1.99	2.25	2.16	2.58	2.48	2.74	2.63	2.78	2.67	2.86	2.75	2.94	2.82
	41	2.07	1.99	2.24	2.15	2.50	2.40	2.63	2.52	2.66	2.55	2.73	2.62	2.80	2.69
	43	2.07	1.99	2.24	2.15	2.43	2.33	2.52	2.42	2.55	2.45	2.60	2.50	2.66	2.55

Heat Mode

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
P-Hi 13 (m³/min)	-19.8	-20	1.86	1.86	1.86	1.86	1.86
	-17.8	-18	1.98	1.98	1.98	1.98	1.98
	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
	-5.5	-6	2.75	2.75	2.75	2.75	2.75
	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
Hi 10 (m³/min)	10			2.27	2.18	2.71	2.56	2.94	2.60	3.12	2.63	3.50	2.85	3.63	2.79
	12			2.27	2.18	2.71	2.56	2.94	2.60	3.12	2.63	3.49	2.85	3.62	2.79
	14			2.27	2.18	2.71	2.56	2.94	2.60	3.12	2.63	3.47	2.84	3.60	2.78
	16			2.27	2.18	2.71	2.56	2.94	2.60	3.11	2.62	3.46	2.84	3.59	2.78
	18			2.27	2.18	2.71	2.56	2.94	2.60	3.11	2.62	3.45	2.84	3.57	2.76
	20			2.27	2.18	2.71	2.56	2.94	2.60	3.10	2.62	3.44	2.83	3.55	2.75
	22			2.27	2.18	2.71	2.56	2.94	2.60	3.09	2.62	3.39	2.82	3.51	2.74
	24			2.26	2.17	2.71	2.56	2.94	2.60	3.07	2.61	3.35	2.80	3.46	2.72
	26			2.26	2.17	2.70	2.56	2.91	2.59	3.04	2.60	3.30	2.79	3.40	2.70
	28	2.05	1.97	2.26	2.17	2.69	2.55	2.88	2.58	3.00	2.58	3.24	2.77	3.35	2.69
	30	2.05	1.97	2.25	2.16	2.67	2.55	2.85	2.57	2.97	2.57	3.19	2.73	3.30	2.67
	32	2.05	1.97	2.25	2.16	2.65	2.54	2.83	2.56	2.93	2.56	3.14	2.72	3.25	2.66
	34	2.05	1.97	2.24	2.15	2.64	2.53	2.79	2.55	2.89	2.54	3.08	2.69	3.18	2.64
	35	2.05	1.97	2.24	2.15	2.63	2.52	2.77	2.54	2.86	2.53	3.04	2.68	3.15	2.63
	36	2.05	1.97	2.24	2.15	2.61	2.51	2.76	2.54	2.83	2.52	2.99	2.66	3.09	2.61
	38	2.05	1.97	2.23	2.14	2.57	2.47	2.73	2.53	2.78	2.50	2.88	2.63	2.97	2.57
	39	2.05	1.97	2.23	2.14	2.55	2.45	2.71	2.52	2.75	2.49	2.83	2.61	2.91	2.55
	41	2.05	1.97	2.22	2.13	2.48	2.38	2.60	2.48	2.64	2.45	2.70	2.57	2.77	2.51
	43	2.05	1.97	2.21	2.12	2.40	2.30	2.49	2.39	2.52	2.41	2.58	2.48	2.63	2.47

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Hi 10 (m³/min)	-19.8	-20	1.83	1.83	1.83	1.83	1.83
	-17.8	-18	1.94	1.94	1.94	1.94	1.94
	-15.7	-16	2.06	2.06	2.06	2.06	2.06
	-13.7	-14	2.18	2.18	2.18	2.18	2.18
	-11.7	-12	2.30	2.30	2.30	2.30	2.30
	-9.6	-10	2.42	2.42	2.42	2.42	2.42
	-7.5	-8	2.56	2.56	2.56	2.56	2.56
	-5.5	-6	2.71	2.71	2.71	2.71	2.71
	-3.4	-4	2.80	2.80	2.80	2.77	2.74
	-1.3	-2	2.90	2.89	2.88	2.83	2.77
	0.8	0	3.06	3.01	2.97	2.86	2.76
	3.9	3	3.32	3.20	3.08	2.91	2.73
	7.0	6	3.62	3.39	3.15	2.93	2.71
	10.1	9	3.60	3.37	3.14	2.91	2.69
	13.2	12	3.58	3.35	3.12	2.89	2.66
	16.9	15.5	3.55	3.32	3.09	2.86	2.63

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
Me 9 (m³/min)	10			2.21	2.11	2.64	2.38	2.85	2.43	3.03	2.45	3.40	2.65	3.53	2.60
	12			2.21	2.11	2.64	2.38	2.85	2.43	3.03	2.45	3.39	2.65	3.51	2.59
	14			2.21	2.11	2.64	2.38	2.85	2.43	3.03	2.45	3.37	2.64	3.50	2.59
	16			2.21	2.11	2.64	2.38	2.85	2.43	3.02	2.44	3.36	2.64	3.48	2.58
	18			2.21	2.11	2.64	2.38	2.85	2.43	3.02	2.44	3.35	2.64	3.47	2.58
	20			2.21	2.11	2.64	2.38	2.85	2.43	3.01	2.44	3.34	2.63	3.45	2.57
	22			2.20	2.11	2.63	2.38	2.85	2.43	3.00	2.44	3.29	2.62	3.41	2.56
	24			2.20	2.11	2.63	2.38	2.85	2.43	2.99	2.43	3.25	2.60	3.36	2.54
	26			2.20	2.11	2.62	2.38	2.82	2.41	2.95	2.42	3.20	2.59	3.31	2.53
	28	1.99	1.91	2.20	2.11	2.61	2.37	2.80	2.41	2.91	2.40	3.15	2.57	3.25	2.51
	30	1.99	1.91	2.19	2.10	2.59	2.36	2.77	2.40	2.88	2.39	3.10	2.55	3.21	2.48
	32	1.99	1.91	2.18	2.09	2.57	2.36	2.74	2.38	2.85	2.38	3.05	2.53	3.16	2.46
	34	1.99	1.91	2.18	2.09	2.56	2.35	2.71	2.37	2.80	2.36	2.99	2.51	3.09	2.44
	35	1.99	1.91	2.17	2.08	2.56	2.35	2.69	2.36	2.78	2.36	2.96	2.50	3.06	2.43
	36	1.99	1.91	2.17	2.08	2.54	2.34	2.68	2.36	2.75	2.34	2.90	2.48	3.00	2.41
	38	1.99	1.91	2.17	2.08	2.50	2.33	2.65	2.34	2.70	2.33	2.80	2.43	2.88	2.38
	39	1.99	1.91	2.16	2.07	2.48	2.32	2.64	2.34	2.67	2.32	2.74	2.41	2.82	2.36
	41	1.99	1.91	2.16	2.07	2.40	2.29	2.53	2.30	2.56	2.27	2.62	2.38	2.69	2.32
	43	1.99	1.91	2.15	2.06	2.33	2.24	2.42	2.26	2.45	2.23	2.50	2.34	2.56	2.28

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Me 9 (m³/min)	-19.8	-20	1.76	1.76	1.76	1.76	1.76
	-17.8	-18	1.88	1.88	1.88	1.88	1.88
	-15.7	-16	1.99	1.99	1.99	1.99	1.99
	-13.7	-14	2.10	2.10	2.10	2.10	2.10
	-11.7	-12	2.22	2.22	2.22	2.22	2.22
	-9.6	-10	2.33	2.33	2.33	2.33	2.33
	-7.5	-8	2.47	2.47	2.47	2.47	2.47
	-5.5	-6	2.61	2.61	2.61	2.61	2.61
	-3.4	-4	2.71	2.70	2.70	2.67	2.64
	-1.3	-2	2.80	2.79	2.78	2.73	2.68
	0.8	0	2.95	2.91	2.87	2.76	2.66
	3.9	3	3.20	3.09	2.97	2.80	2.64
	7.0	6	3.50	3.27	3.04	2.83	2.61
	10.1	9	3.47	3.25	3.03	2.81	2.59
	13.2	12	3.45	3.23	3.01	2.79	2.57
	16.9	15.5	3.42	3.20	2.98	2.76	2.54

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
Lo 8 (m³/min)	10			2.08	1.93	2.49	2.18	2.69	2.22	2.86	2.24	3.21	2.43	3.33	2.37
	12			2.08	1.93	2.49	2.18	2.69	2.22	2.86	2.24	3.20	2.42	3.32	2.37
	14			2.08	1.93	2.49	2.18	2.69	2.22	2.86	2.24	3.19	2.42	3.30	2.36
	16			2.08	1.93	2.49	2.18	2.69	2.22	2.85	2.23	3.17	2.41	3.29	2.36
	18			2.08	1.93	2.49	2.18	2.69	2.22	2.85	2.23	3.16	2.41	3.27	2.35
	20			2.08	1.93	2.49	2.18	2.69	2.22	2.85	2.23	3.15	2.40	3.26	2.35
	22			2.08	1.93	2.49	2.18	2.69	2.22	2.83	2.23	3.11	2.39	3.22	2.33
	24			2.08	1.93	2.49	2.18	2.69	2.22	2.82	2.22	3.07	2.38	3.17	2.32
	26			2.07	1.92	2.48	2.18	2.67	2.21	2.79	2.21	3.02	2.36	3.12	2.30
	28	1.88	1.80	2.07	1.92	2.46	2.17	2.64	2.20	2.75	2.20	2.97	2.34	3.07	2.29
	30	1.88	1.80	2.07	1.92	2.44	2.16	2.62	2.19	2.72	2.19	2.93	2.33	3.03	2.27
	32	1.88	1.80	2.06	1.92	2.43	2.15	2.59	2.18	2.69	2.17	2.88	2.31	2.98	2.26
	34	1.88	1.80	2.06	1.92	2.42	2.15	2.56	2.17	2.65	2.16	2.82	2.29	2.92	2.24
	35	1.88	1.80	2.05	1.91	2.41	2.14	2.54	2.16	2.62	2.15	2.79	2.28	2.89	2.23
	36	1.88	1.80	2.05	1.91	2.39	2.14	2.53	2.15	2.60	2.14	2.74	2.26	2.83	2.20
	38	1.88	1.80	2.04	1.91	2.36	2.12	2.50	2.14	2.55	2.12	2.64	2.23	2.72	2.16
	39	1.88	1.80	2.04	1.91	2.34	2.12	2.49	2.14	2.52	2.11	2.59	2.21	2.66	2.14
	41	1.88	1.80	2.03	1.91	2.27	2.09	2.39	2.10	2.42	2.08	2.48	2.16	2.54	2.11
	43	1.88	1.80	2.03	1.91	2.20	2.06	2.29	2.06	2.31	2.03	2.36	2.12	2.41	2.07

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Lo 8 (m³/min)	-19.8	-20	1.67	1.67	1.67	1.67	1.67
	-17.8	-18	1.78	1.78	1.78	1.78	1.78
	-15.7	-16	1.89	1.89	1.89	1.89	1.89
	-13.7	-14	1.99	1.99	1.99	1.99	1.99
	-11.7	-12	2.10	2.10	2.10	2.10	2.10
	-9.6	-10	2.21	2.21	2.21	2.21	2.21
	-7.5	-8	2.34	2.34	2.34	2.34	2.34
	-5.5	-6	2.48	2.48	2.48	2.48	2.48
	-3.4	-4	2.56	2.56	2.56	2.53	2.51
	-1.3	-2	2.65	2.64	2.64	2.58	2.53
	0.8	0	2.79	2.75	2.71	2.62	2.52
	3.9	3	3.03	2.92	2.82	2.66	2.50
	7.0	6	3.31	3.10	2.88	2.68	2.48
	10.1	9	3.29	3.08	2.87	2.66	2.46
	13.2	12	3.27	3.06	2.85	2.64	2.43
	16.9	15.5	3.24	3.03	2.83	2.62	2.41

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJG000Z022

Model **FDUM36KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
P-Hi 13 (m³/min)	10			2.95	2.83	3.53	3.33	3.82	3.38	4.06	3.42	4.55	3.71	4.72	3.63
	12			2.95	2.83	3.53	3.33	3.82	3.38	4.05	3.41	4.53	3.70	4.70	3.63
	14			2.95	2.83	3.53	3.33	3.82	3.38	4.05	3.41	4.51	3.70	4.68	3.62
	16			2.95	2.83	3.53	3.33	3.82	3.38	4.04	3.41	4.50	3.69	4.66	3.59
	18			2.95	2.83	3.53	3.33	3.82	3.38	4.04	3.41	4.48	3.69	4.64	3.58
	20			2.95	2.83	3.53	3.33	3.82	3.38	4.03	3.41	4.47	3.68	4.62	3.58
	22			2.95	2.83	3.53	3.33	3.82	3.38	4.01	3.40	4.41	3.66	4.56	3.56
	24			2.94	2.82	3.52	3.33	3.82	3.38	3.99	3.39	4.35	3.64	4.49	3.54
	26			2.94	2.82	3.51	3.32	3.78	3.37	3.95	3.38	4.28	3.62	4.43	3.52
	28	2.66	2.55	2.94	2.82	3.49	3.32	3.74	3.35	3.90	3.36	4.22	3.60	4.36	3.50
	30	2.66	2.55	2.93	2.81	3.47	3.31	3.71	3.34	3.86	3.35	4.15	3.55	4.29	3.47
	32	2.66	2.55	2.92	2.80	3.44	3.30	3.67	3.33	3.81	3.32	4.09	3.53	4.23	3.46
	34	2.66	2.55	2.91	2.79	3.43	3.29	3.62	3.31	3.75	3.30	4.00	3.50	4.14	3.43
	35	2.66	2.55	2.91	2.79	3.42	3.28	3.60	3.30	3.72	3.29	3.96	3.49	4.09	3.41
	36	2.66	2.55	2.91	2.79	3.39	3.25	3.58	3.29	3.68	3.27	3.89	3.47	4.02	3.39
	38	2.66	2.55	2.90	2.78	3.34	3.21	3.55	3.28	3.61	3.25	3.74	3.42	3.86	3.34
	39	2.66	2.55	2.89	2.77	3.32	3.19	3.53	3.28	3.58	3.24	3.67	3.39	3.78	3.32
	41	2.66	2.55	2.88	2.76	3.22	3.09	3.38	3.22	3.43	3.18	3.51	3.34	3.60	3.27
	43	2.66	2.55	2.87	2.76	3.12	3.00	3.24	3.11	3.28	3.13	3.35	3.22	3.42	3.21

Heat Mode

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
P-Hi 13 (m³/min)	-19.8	-20	2.32	2.32	2.32	2.32	2.32
	-17.8	-18	2.47	2.47	2.47	2.47	2.47
	-15.7	-16	2.62	2.62	2.62	2.62	2.62
	-13.7	-14	2.77	2.77	2.77	2.77	2.77
	-11.7	-12	2.92	2.92	2.92	2.92	2.92
	-9.6	-10	3.07	3.07	3.07	3.07	3.07
	-7.5	-8	3.25	3.25	3.25	3.25	3.25
	-5.5	-6	3.44	3.44	3.44	3.44	3.44
	-3.4	-4	3.56	3.56	3.55	3.52	3.48
	-1.3	-2	3.68	3.67	3.66	3.59	3.52
	0.8	0	3.88	3.83	3.77	3.64	3.50
	3.9	3	4.21	4.06	3.91	3.69	3.47
	7.0	6	4.60	4.30	4.00	3.72	3.44
	10.1	9	4.57	4.28	3.99	3.70	3.41
	13.2	12	4.54	4.25	3.96	3.67	3.38
	16.9	15.5	4.51	4.22	3.93	3.64	3.35

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Hi 10 (m³/min)	10			2.91	2.54	3.48	2.87	3.76	2.93	4.00	2.96	4.48	3.20	4.66	3.13
	12			2.91	2.54	3.48	2.87	3.76	2.93	4.00	2.96	4.47	3.20	4.64	3.12
	14			2.91	2.54	3.48	2.87	3.76	2.93	3.99	2.96	4.45	3.19	4.62	3.11
	16			2.91	2.54	3.48	2.87	3.76	2.93	3.99	2.96	4.44	3.19	4.60	3.11
	18			2.91	2.54	3.48	2.87	3.76	2.93	3.98	2.95	4.42	3.18	4.58	3.10
	20			2.91	2.54	3.48	2.87	3.76	2.93	3.98	2.95	4.40	3.17	4.56	3.09
	22			2.91	2.54	3.48	2.87	3.76	2.93	3.96	2.94	4.35	3.15	4.49	3.07
	24			2.90	2.54	3.48	2.87	3.76	2.93	3.94	2.94	4.29	3.13	4.43	3.05
	26			2.90	2.54	3.46	2.87	3.73	2.92	3.89	2.92	4.22	3.11	4.36	3.03
	28	2.63	2.51	2.90	2.54	3.44	2.86	3.69	2.90	3.85	2.90	4.16	3.08	4.30	3.01
	30	2.63	2.51	2.89	2.53	3.42	2.85	3.66	2.89	3.80	2.88	4.09	3.06	4.23	2.99
	32	2.63	2.51	2.88	2.53	3.39	2.84	3.62	2.87	3.76	2.87	4.03	3.04	4.17	2.97
	34	2.63	2.51	2.87	2.52	3.38	2.83	3.57	2.85	3.70	2.84	3.94	3.01	4.08	2.94
	35	2.63	2.51	2.87	2.52	3.37	2.83	3.55	2.84	3.67	2.83	3.90	2.99	4.04	2.92
	36	2.63	2.51	2.86	2.52	3.35	2.82	3.53	2.84	3.63	2.82	3.83	2.97	3.96	2.90
	38	2.63	2.51	2.86	2.52	3.30	2.80	3.50	2.82	3.56	2.79	3.69	2.92	3.80	2.85
	39	2.63	2.51	2.85	2.51	3.27	2.79	3.48	2.82	3.53	2.78	3.62	2.90	3.72	2.82
	41	2.63	2.51	2.84	2.51	3.17	2.75	3.34	2.76	3.38	2.72	3.46	2.84	3.55	2.75
	43	2.63	2.51	2.83	2.51	3.07	2.71	3.20	2.71	3.23	2.67	3.30	2.79	3.38	2.70

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Hi 10 (m³/min)	-19.8	-20	2.28	2.28	2.28	2.28	2.28
	-17.8	-18	2.43	2.43	2.43	2.43	2.43
	-15.7	-16	2.57	2.57	2.57	2.57	2.57
	-13.7	-14	2.72	2.72	2.72	2.72	2.72
	-11.7	-12	2.87	2.87	2.87	2.87	2.87
	-9.6	-10	3.01	3.01	3.01	3.01	3.01
	-7.5	-8	3.20	3.20	3.20	3.20	3.20
	-5.5	-6	3.38	3.38	3.38	3.38	3.38
	-3.4	-4	3.50	3.49	3.49	3.45	3.42
	-1.3	-2	3.62	3.61	3.60	3.53	3.46
	0.8	0	3.81	3.76	3.70	3.57	3.44
	3.9	3	4.14	3.99	3.84	3.63	3.41
	7.0	6	4.52	4.22	3.93	3.65	3.38
	10.1	9	4.49	4.20	3.92	3.63	3.35
	13.2	12	4.46	4.18	3.89	3.61	3.32
	16.9	15.5	4.43	4.14	3.86	3.57	3.29

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Me 9 (m³/min)	10			2.79	2.36	3.33	2.67	3.60	2.72	3.83	2.75	4.30	2.98	4.46	2.90
	12			2.79	2.36	3.33	2.67	3.60	2.72	3.83	2.75	4.28	2.97	4.44	2.90
	14			2.79	2.36	3.33	2.67	3.60	2.72	3.82	2.75	4.26	2.96	4.42	2.89
	16			2.79	2.36	3.33	2.67	3.60	2.72	3.82	2.75	4.25	2.96	4.40	2.88
	18			2.79	2.36	3.33	2.67	3.60	2.72	3.81	2.75	4.23	2.95	4.38	2.88
	20			2.79	2.36	3.33	2.67	3.60	2.72	3.81	2.75	4.22	2.95	4.36	2.87
	22			2.78	2.36	3.33	2.67	3.60	2.72	3.79	2.74	4.16	2.93	4.30	2.85
	24			2.78	2.36	3.33	2.67	3.60	2.72	3.77	2.73	4.11	2.91	4.24	2.83
	26			2.78	2.36	3.31	2.66	3.57	2.71	3.73	2.71	4.05	2.89	4.18	2.81
	28	2.52	2.33	2.77	2.35	3.30	2.66	3.54	2.70	3.68	2.70	3.98	2.86	4.11	2.79
	30	2.52	2.33	2.77	2.35	3.27	2.64	3.50	2.68	3.64	2.68	3.92	2.84	4.05	2.77
	32	2.52	2.33	2.76	2.35	3.25	2.63	3.47	2.67	3.60	2.66	3.86	2.82	3.99	2.75
	34	2.52	2.33	2.75	2.34	3.24	2.63	3.42	2.65	3.54	2.64	3.78	2.79	3.91	2.72
	35	2.52	2.33	2.75	2.34	3.23	2.63	3.40	2.64	3.51	2.63	3.74	2.77	3.87	2.71
	36	2.52	2.33	2.74	2.34	3.21	2.62	3.38	2.63	3.48	2.62	3.67	2.75	3.79	2.68
	38	2.52	2.33	2.74	2.34	3.16	2.60	3.35	2.62	3.41	2.59	3.54	2.70	3.64	2.63
	39	2.52	2.33	2.73	2.33	3.13	2.59	3.33	2.61	3.38	2.58	3.47	2.68	3.57	2.61
	41	2.52	2.33	2.72	2.33	3.04	2.55	3.20	2.56	3.24	2.53	3.31	2.62	3.40	2.56
	43	2.52	2.33	2.71	2.33	2.94	2.51	3.06	2.51	3.09	2.47	3.16	2.57	3.23	2.49

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Me 9 (m³/min)	-19.8	-20	2.18	2.18	2.18	2.18	2.18
	-17.8	-18	2.32	2.32	2.32	2.32	2.32
	-15.7	-16	2.46	2.46	2.46	2.46	2.46
	-13.7	-14	2.60	2.60	2.60	2.60	2.60
	-11.7	-12	2.74	2.74	2.74	2.74	2.74
	-9.6	-10	2.88	2.88	2.88	2.88	2.88
	-7.5	-8	3.05	3.05	3.05	3.05	3.05
	-5.5	-6	3.23	3.23	3.23	3.23	3.23
	-3.4	-4	3.34	3.33	3.33	3.30	3.26
	-1.3	-2	3.45	3.44	3.43	3.37	3.30
	0.8	0	3.64	3.59	3.53	3.41	3.28
	3.9	3	3.95	3.81	3.67	3.46	3.25
	7.0	6	4.31	4.03	3.75	3.49	3.23
	10.1	9	4.28	4.01	3.74	3.47	3.20
	13.2	12	4.26	3.98	3.71	3.44	3.17
	16.9	15.5	4.22	3.95	3.68	3.41	3.14

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Lo 8 (m³/min)	10			2.58	2.15	3.09	2.43	3.34	2.48	3.55	2.51	3.98	2.71	4.13	2.64
	12			2.58	2.15	3.09	2.43	3.34	2.48	3.55	2.51	3.96	2.70	4.11	2.63
	14			2.58	2.15	3.09	2.43	3.34	2.48	3.54	2.50	3.95	2.70	4.10	2.63
	16			2.58	2.15	3.09	2.43	3.34	2.48	3.54	2.50	3.94	2.69	4.08	2.62
	18			2.58	2.15	3.09	2.43	3.34	2.48	3.53	2.50	3.92	2.68	4.06	2.61
	20			2.58	2.15	3.09	2.43	3.34	2.48	3.53	2.50	3.91	2.68	4.04	2.61
	22			2.58	2.15	3.09	2.43	3.34	2.48	3.51	2.49	3.86	2.66	3.99	2.59
	24			2.57	2.14	3.08	2.42	3.34	2.48	3.50	2.49	3.81	2.64	3.93	2.57
	26			2.57	2.14	3.07	2.42	3.31	2.46	3.45	2.47	3.75	2.62	3.87	2.55
	28	2.33	2.11	2.57	2.14	3.06	2.41	3.28	2.45	3.41	2.45	3.69	2.60	3.81	2.53
	30	2.33	2.11	2.56	2.14	3.03	2.40	3.24	2.44	3.37	2.43	3.63	2.58	3.75	2.51
	32	2.33	2.11	2.56	2.14	3.01	2.39	3.21	2.42	3.33	2.42	3.58	2.56	3.70	2.49
	34	2.33	2.11	2.55	2.13	3.00	2.39	3.17	2.41	3.28	2.40	3.50	2.53	3.62	2.47
	35	2.33	2.11	2.55	2.13	2.99	2.38	3.15	2.40	3.25	2.39	3.46	2.51	3.58	2.45
	36	2.33	2.11	2.54	2.12	2.97	2.38	3.13	2.39	3.22	2.38	3.40	2.49	3.51	2.43
	38	2.33	2.11	2.54	2.12	2.92	2.35	3.10	2.38	3.16	2.35	3.28	2.45	3.37	2.38
	39	2.33	2.11	2.53	2.12	2.90	2.35	3.09	2.38	3.13	2.34	3.21	2.43	3.30	2.36
	41	2.33	2.11	2.52	2.12	2.82	2.31	2.96	2.32	3.00	2.29	3.07	2.38	3.15	2.31
	43	2.33	2.11	2.51	2.11	2.73	2.28	2.84	2.28	2.87	2.24	2.93	2.33	2.99	2.26

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Lo 8 (m³/min)	-19.8	-20	2.03	2.03	2.03	2.03	2.03
	-17.8	-18	2.16	2.16	2.16	2.16	2.16
	-15.7	-16	2.29	2.29	2.29	2.29	2.29
	-13.7	-14	2.42	2.42	2.42	2.42	2.42
	-11.7	-12	2.55	2.55	2.55	2.55	2.55
	-9.6	-10	2.68	2.68	2.68	2.68	2.68
	-7.5	-8	2.85	2.85	2.85	2.85	2.85
	-5.5	-6	3.01	3.01	3.01	3.01	3.01
	-3.4	-4	3.12	3.11	3.11	3.08	3.05
	-1.3	-2	3.22	3.21	3.20	3.14	3.08
	0.8	0	3.40	3.35	3.30	3.18	3.06
	3.9	3	3.68	3.55	3.42	3.23	3.04
	7.0	6	4.03	3.76	3.50	3.26	3.01
	10.1	9	4.00	3.74	3.49	3.24	2.98
	13.2	12	3.97	3.72	3.47	3.21	2.96
	16.9	15.5	3.94	3.69	3.43	3.18	2.93

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJG000Z022

Model **FDUM45KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
P-Hi 13 (m³/min)	10			3.69	3.26	4.41	3.69	4.77	3.76	5.07	3.80	5.68	4.11	5.90	4.01
	12			3.69	3.26	4.41	3.69	4.77	3.76	5.07	3.80	5.66	4.10	5.88	4.00
	14			3.69	3.26	4.41	3.69	4.77	3.76	5.06	3.79	5.64	4.09	5.85	4.00
	16			3.69	3.26	4.41	3.69	4.77	3.76	5.05	3.79	5.62	4.09	5.83	3.99
	18			3.69	3.26	4.41	3.69	4.77	3.76	5.05	3.79	5.60	4.08	5.80	3.98
	20			3.69	3.26	4.41	3.69	4.77	3.76	5.04	3.79	5.58	4.07	5.78	3.97
	22			3.68	3.26	4.41	3.69	4.77	3.76	5.02	3.78	5.51	4.05	5.70	3.95
	24			3.68	3.26	4.41	3.69	4.77	3.76	4.99	3.77	5.44	4.02	5.62	3.92
	26			3.68	3.26	4.39	3.68	4.73	3.74	4.93	3.74	5.35	3.99	5.53	3.89
	28	3.33	3.20	3.67	3.25	4.37	3.67	4.68	3.72	4.88	3.72	5.27	3.96	5.44	3.86
	30	3.33	3.20	3.66	3.25	4.33	3.66	4.64	3.71	4.82	3.70	5.19	3.93	5.36	3.84
	32	3.33	3.20	3.65	3.25	4.30	3.64	4.59	3.69	4.76	3.68	5.11	3.90	5.28	3.81
	34	3.33	3.20	3.64	3.24	4.28	3.64	4.53	3.66	4.69	3.65	5.00	3.87	5.17	3.77
	35	3.33	3.20	3.64	3.24	4.28	3.64	4.50	3.65	4.65	3.64	4.95	3.85	5.12	3.76
	36	3.33	3.20	3.63	3.24	4.24	3.62	4.48	3.64	4.60	3.62	4.86	3.82	5.02	3.73
	38	3.33	3.20	3.62	3.23	4.18	3.60	4.43	3.62	4.52	3.59	4.68	3.75	4.82	3.66
	39	3.33	3.20	3.62	3.23	4.15	3.58	4.41	3.62	4.47	3.57	4.59	3.72	4.72	3.63
	41	3.33	3.20	3.61	3.23	4.02	3.53	4.23	3.55	4.28	3.50	4.39	3.66	4.50	3.54
	43	3.33	3.20	3.59	3.22	3.90	3.48	4.05	3.48	4.09	3.43	4.18	3.59	4.28	3.47

Heat Mode

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
P-Hi 13 (m³/min)	-19.8	-20	2.90	2.90	2.90	2.90	2.90
	-17.8	-18	3.09	3.09	3.09	3.09	3.09
	-15.7	-16	3.27	3.27	3.27	3.27	3.27
	-13.7	-14	3.46	3.46	3.46	3.46	3.46
	-11.7	-12	3.65	3.65	3.65	3.65	3.65
	-9.6	-10	3.83	3.83	3.83	3.83	3.83
	-7.5	-8	4.07	4.07	4.07	4.07	4.07
	-5.5	-6	4.30	4.30	4.30	4.30	4.30
	-3.4	-4	4.45	4.44	4.44	4.39	4.35
	-1.3	-2	4.60	4.59	4.58	4.49	4.40
	0.8	0	4.85	4.78	4.71	4.54	4.38
	3.9	3	5.26	5.08	4.89	4.61	4.34
	7.0	6	5.75	5.38	5.00	4.65	4.30
	10.1	9	5.71	5.35	4.98	4.62	4.26
	13.2	12	5.68	5.31	4.95	4.59	4.23
	16.9	15.5	5.63	5.27	4.91	4.54	4.18

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Hi 10 (m³/min)	10			3.58	2.84	4.28	3.21	4.63	3.29	4.93	3.33	5.52	3.60	5.73	3.50
	12			3.58	2.84	4.28	3.21	4.63	3.29	4.92	3.33	5.50	3.59	5.71	3.50
	14			3.58	2.84	4.28	3.21	4.63	3.29	4.91	3.33	5.48	3.58	5.68	3.49
	16			3.58	2.84	4.28	3.21	4.63	3.29	4.91	3.33	5.46	3.58	5.66	3.48
	18			3.58	2.84	4.28	3.21	4.63	3.29	4.90	3.32	5.44	3.57	5.63	3.47
	20			3.58	2.84	4.28	3.21	4.63	3.29	4.90	3.32	5.42	3.56	5.61	3.46
	22			3.58	2.84	4.28	3.21	4.63	3.29	4.87	3.31	5.35	3.53	5.53	3.43
	24			3.57	2.84	4.28	3.21	4.63	3.29	4.85	3.30	5.28	3.51	5.46	3.41
	26			3.57	2.84	4.26	3.20	4.59	3.27	4.79	3.28	5.20	3.47	5.37	3.37
	28	3.23	2.79	3.57	2.84	4.24	3.19	4.54	3.25	4.74	3.25	5.12	3.44	5.29	3.35
	30	3.23	2.79	3.56	2.83	4.21	3.18	4.50	3.23	4.68	3.23	5.04	3.41	5.21	3.32
	32	3.23	2.79	3.55	2.83	4.17	3.16	4.46	3.21	4.63	3.21	4.96	3.38	5.13	3.29
	34	3.23	2.79	3.54	2.82	4.16	3.16	4.40	3.19	4.55	3.18	4.86	3.34	5.02	3.25
	35	3.23	2.79	3.53	2.82	4.15	3.15	4.37	3.18	4.51	3.16	4.80	3.32	4.97	3.23
	36	3.23	2.79	3.53	2.82	4.12	3.14	4.35	3.17	4.47	3.15	4.72	3.29	4.87	3.20
	38	3.23	2.79	3.52	2.81	4.06	3.12	4.30	3.15	4.38	3.11	4.54	3.22	4.68	3.13
	39	3.23	2.79	3.51	2.81	4.03	3.10	4.28	3.14	4.34	3.09	4.46	3.19	4.58	3.10
	41	3.23	2.79	3.50	2.80	3.91	3.05	4.11	3.07	4.16	3.02	4.26	3.12	4.37	3.03
	43	3.23	2.79	3.49	2.80	3.78	3.00	3.93	3.00	3.98	2.95	4.06	3.05	4.15	2.96

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Hi 10 (m³/min)	-19.8	-20	2.80	2.80	2.80	2.80	2.80
	-17.8	-18	2.98	2.98	2.98	2.98	2.98
	-15.7	-16	3.16	3.16	3.16	3.16	3.16
	-13.7	-14	3.34	3.34	3.34	3.34	3.34
	-11.7	-12	3.52	3.52	3.52	3.52	3.52
	-9.6	-10	3.70	3.70	3.70	3.70	3.70
	-7.5	-8	3.93	3.93	3.93	3.93	3.93
	-5.5	-6	4.15	4.15	4.15	4.15	4.15
	-3.4	-4	4.30	4.29	4.29	4.24	4.20
	-1.3	-2	4.44	4.43	4.42	4.33	4.25
	0.8	0	4.69	4.62	4.55	4.39	4.23
	3.9	3	5.08	4.90	4.72	4.46	4.19
	7.0	6	5.55	5.19	4.83	4.49	4.15
	10.1	9	5.52	5.17	4.81	4.46	4.12
	13.2	12	5.48	5.13	4.78	4.43	4.08
	16.9	15.5	5.44	5.09	4.74	4.39	4.04

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Me 9 (m³/min)	10			3.34	2.61	4.00	2.95	4.32	3.02	4.60	3.07	5.15	3.31	5.35	3.22
	12			3.34	2.61	4.00	2.95	4.32	3.02	4.60	3.07	5.14	3.31	5.33	3.22
	14			3.34	2.61	4.00	2.95	4.32	3.02	4.59	3.07	5.12	3.30	5.31	3.21
	16			3.34	2.61	4.00	2.95	4.32	3.02	4.58	3.06	5.10	3.29	5.28	3.20
	18			3.34	2.61	4.00	2.95	4.32	3.02	4.58	3.06	5.08	3.28	5.26	3.19
	20			3.34	2.61	4.00	2.95	4.32	3.02	4.57	3.06	5.06	3.28	5.24	3.18
	22			3.34	2.61	4.00	2.95	4.32	3.02	4.55	3.05	5.00	3.25	5.16	3.15
	24			3.33	2.60	3.99	2.95	4.32	3.02	4.53	3.04	4.93	3.22	5.09	3.13
	26			3.33	2.60	3.98	2.95	4.28	3.01	4.47	3.02	4.86	3.20	5.02	3.10
	28	3.02	2.57	3.33	2.60	3.96	2.94	4.24	2.99	4.42	2.99	4.78	3.17	4.94	3.08
	30	3.02	2.57	3.32	2.60	3.93	2.92	4.20	2.97	4.37	2.97	4.70	3.13	4.86	3.05
	32	3.02	2.57	3.31	2.60	3.90	2.91	4.16	2.95	4.32	2.95	4.63	3.11	4.79	3.02
	34	3.02	2.57	3.30	2.59	3.88	2.90	4.11	2.93	4.25	2.92	4.53	3.07	4.69	2.99
	35	3.02	2.57	3.30	2.59	3.88	2.90	4.08	2.92	4.21	2.91	4.48	3.05	4.64	2.97
	36	3.02	2.57	3.29	2.59	3.85	2.89	4.06	2.91	4.17	2.89	4.40	3.02	4.55	2.93
	38	3.02	2.57	3.28	2.58	3.79	2.86	4.02	2.90	4.09	2.86	4.24	2.96	4.37	2.87
	39	3.02	2.57	3.28	2.58	3.76	2.85	4.00	2.89	4.05	2.84	4.16	2.93	4.28	2.84
	41	3.02	2.57	3.27	2.58	3.65	2.80	3.84	2.82	3.88	2.77	3.98	2.86	4.08	2.78
	43	3.02	2.57	3.26	2.57	3.53	2.75	3.67	2.75	3.71	2.71	3.79	2.79	3.88	2.71

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Me 9 (m³/min)	-19.8	-20	2.60	2.60	2.60	2.60	2.60
	-17.8	-18	2.77	2.77	2.77	2.77	2.77
	-15.7	-16	2.94	2.94	2.94	2.94	2.94
	-13.7	-14	3.11	3.11	3.11	3.11	3.11
	-11.7	-12	3.27	3.27	3.27	3.27	3.27
	-9.6	-10	3.44	3.44	3.44	3.44	3.44
	-7.5	-8	3.65	3.65	3.65	3.65	3.65
	-5.5	-6	3.86	3.86	3.86	3.86	3.86
	-3.4	-4	4.00	3.99	3.98	3.95	3.91
	-1.3	-2	4.13	4.12	4.11	4.03	3.95
	0.8	0	4.36	4.29	4.23	4.08	3.93
	3.9	3	4.73	4.56	4.39	4.14	3.90
	7.0	6	5.16	4.83	4.49	4.18	3.86
	10.1	9	5.13	4.80	4.47	4.15	3.83
	13.2	12	5.10	4.77	4.45	4.12	3.79
	16.9	15.5	5.06	4.73	4.41	4.08	3.75

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Lo 8 (m³/min)	10			3.13	2.39	3.74	2.71	4.05	2.78	4.31	2.82	4.83	3.04	5.01	2.96
	12			3.13	2.39	3.74	2.71	4.05	2.78	4.30	2.82	4.81	3.04	4.99	2.95
	14			3.13	2.39	3.74	2.71	4.05	2.78	4.30	2.82	4.79	3.03	4.97	2.94
	16			3.13	2.39	3.74	2.71	4.05	2.78	4.29	2.82	4.77	3.02	4.95	2.94
	18			3.13	2.39	3.74	2.71	4.05	2.78	4.28	2.81	4.76	3.02	4.92	2.93
	20			3.13	2.39	3.74	2.71	4.05	2.78	4.28	2.81	4.74	3.01	4.90	2.92
	22			3.13	2.39	3.74	2.71	4.05	2.78	4.26	2.80	4.68	2.98	4.84	2.90
	24			3.12	2.39	3.74	2.71	4.05	2.78	4.24	2.79	4.62	2.96	4.77	2.87
	26			3.12	2.39	3.72	2.70	4.01	2.77	4.19	2.77	4.55	2.93	4.70	2.84
	28	2.83	2.36	3.12	2.39	3.71	2.69	3.97	2.75	4.14	2.75	4.47	2.90	4.62	2.82
	30	2.83	2.36	3.11	2.38	3.68	2.68	3.93	2.73	4.09	2.73	4.40	2.87	4.55	2.79
	32	2.83	2.36	3.10	2.38	3.65	2.67	3.90	2.71	4.04	2.71	4.34	2.85	4.48	2.77
	34	2.83	2.36	3.09	2.37	3.64	2.66	3.85	2.69	3.98	2.69	4.24	2.81	4.39	2.73
	35	2.83	2.36	3.09	2.37	3.63	2.66	3.82	2.68	3.95	2.67	4.20	2.79	4.34	2.72
	36	2.83	2.36	3.08	2.37	3.60	2.65	3.80	2.67	3.91	2.65	4.12	2.76	4.26	2.69
	38	2.83	2.36	3.08	2.37	3.55	2.62	3.76	2.65	3.83	2.62	3.97	2.70	4.09	2.62
	39	2.83	2.36	3.07	2.37	3.52	2.61	3.74	2.64	3.79	2.60	3.90	2.68	4.01	2.60
	41	2.83	2.36	3.06	2.36	3.41	2.56	3.59	2.58	3.64	2.54	3.72	2.61	3.82	2.53
	43	2.83	2.36	3.05	2.36	3.31	2.52	3.44	2.52	3.48	2.48	3.55	2.55	3.63	2.47

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Lo 8 (m³/min)	-19.8	-20	2.44	2.44	2.44	2.44	2.44
	-17.8	-18	2.60	2.60	2.60	2.60	2.60
	-15.7	-16	2.76	2.76	2.76	2.76	2.76
	-13.7	-14	2.91	2.91	2.91	2.91	2.91
	-11.7	-12	3.07	3.07	3.07	3.07	3.07
	-9.6	-10	3.23	3.23	3.23	3.23	3.23
	-7.5	-8	3.42	3.42	3.42	3.42	3.42
	-5.5	-6	3.62	3.62	3.62	3.62	3.62
	-3.4	-4	3.75	3.74	3.74	3.70	3.66
	-1.3	-2	3.87	3.86	3.85	3.78	3.70
	0.8	0	4.08	4.03	3.97	3.83	3.68
	3.9	3	4.43	4.27	4.12	3.88	3.65
	7.0	6	4.84	4.53	4.21	3.92	3.62
	10.1	9	4.81	4.50	4.19	3.89	3.59
	13.2	12	4.78	4.47	4.17	3.86	3.56
	16.9	15.5	4.74	4.44	4.13	3.83	3.52

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJG000Z022

Model **FDUM56KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
P-Hi 13 (m³/min)	10			4.59	3.66	5.49	4.14	5.94	4.24	6.32	4.30	7.07	4.64	7.35	4.52
	12			4.59	3.66	5.49	4.14	5.94	4.24	6.31	4.29	7.05	4.63	7.31	4.50
	14			4.59	3.66	5.49	4.14	5.94	4.24	6.30	4.29	7.02	4.62	7.28	4.49
	16			4.59	3.66	5.49	4.14	5.94	4.24	6.29	4.28	7.00	4.61	7.25	4.48
	18			4.59	3.66	5.49	4.14	5.94	4.24	6.28	4.28	6.97	4.60	7.22	4.47
	20			4.59	3.66	5.49	4.14	5.94	4.24	6.27	4.28	6.95	4.59	7.19	4.46
	22			4.58	3.66	5.49	4.14	5.94	4.24	6.24	4.26	6.86	4.56	7.09	4.43
	24			4.58	3.66	5.48	4.14	5.94	4.24	6.21	4.25	6.77	4.52	6.99	4.39
	26			4.57	3.65	5.46	4.13	5.88	4.21	6.14	4.22	6.66	4.48	6.88	4.35
	28	4.14	3.60	4.57	3.65	5.43	4.12	5.82	4.19	6.07	4.19	6.56	4.44	6.78	4.32
	30	4.14	3.60	4.56	3.65	5.39	4.10	5.77	4.17	6.00	4.17	6.46	4.40	6.67	4.27
	32	4.14	3.60	4.55	3.65	5.35	4.08	5.71	4.14	5.93	4.14	6.36	4.36	6.57	4.24
	34	4.14	3.60	4.53	3.64	5.33	4.07	5.64	4.11	5.83	4.10	6.22	4.31	6.44	4.19
	35	4.14	3.60	4.52	3.63	5.32	4.07	5.60	4.10	5.79	4.08	6.16	4.28	6.37	4.17
	36	4.14	3.60	4.52	3.63	5.28	4.05	5.57	4.08	5.73	4.06	6.05	4.24	6.25	4.13
	38	4.14	3.60	4.51	3.63	5.20	4.02	5.52	4.06	5.62	4.01	5.82	4.16	6.00	4.05
	39	4.14	3.60	4.50	3.62	5.16	4.00	5.49	4.05	5.56	3.99	5.71	4.12	5.87	4.00
	41	4.14	3.60	4.49	3.62	5.00	3.93	5.26	3.96	5.33	3.90	5.46	4.03	5.60	3.91
	43	4.14	3.60	4.47	3.61	4.85	3.87	5.04	3.87	5.10	3.81	5.21	3.94	5.32	3.82

Heat Mode

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
P-Hi 13 (m³/min)	-19.8	-20	3.65	3.65	3.65	3.65	3.65
	-17.8	-18	3.89	3.89	3.89	3.89	3.89
	-15.7	-16	4.12	4.12	4.12	4.12	4.12
	-13.7	-14	4.36	4.36	4.36	4.36	4.36
	-11.7	-12	4.59	4.59	4.59	4.59	4.59
	-9.6	-10	4.83	4.83	4.83	4.83	4.83
	-7.5	-8	5.12	5.12	5.12	5.12	5.12
	-5.5	-6	5.42	5.42	5.42	5.42	5.42
	-3.4	-4	5.61	5.60	5.59	5.54	5.48
	-1.3	-2	5.80	5.78	5.76	5.65	5.54
	0.8	0	6.11	6.02	5.94	5.73	5.51
	3.9	3	6.63	6.39	6.16	5.81	5.47
	7.0	6	7.25	6.77	6.30	5.86	5.42
	10.1	9	7.20	6.74	6.28	5.82	5.37
	13.2	12	7.15	6.69	6.24	5.78	5.32
	16.9	15.5	7.10	6.64	6.18	5.73	5.27

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Hi 10 (m³/min)	10			4.41	3.23	5.27	3.66	5.70	3.77	6.07	3.83	6.80	4.13	7.06	4.01
	12			4.41	3.23	5.27	3.66	5.70	3.77	6.06	3.83	6.77	4.12	7.03	4.00
	14			4.41	3.23	5.27	3.66	5.70	3.77	6.05	3.82	6.75	4.11	7.00	3.99
	16			4.41	3.23	5.27	3.66	5.70	3.77	6.04	3.82	6.72	4.10	6.97	3.97
	18			4.41	3.23	5.27	3.66	5.70	3.77	6.03	3.81	6.70	4.09	6.94	3.96
	20			4.41	3.23	5.27	3.66	5.70	3.77	6.03	3.81	6.67	4.08	6.90	3.95
	22			4.40	3.22	5.27	3.66	5.70	3.77	6.00	3.80	6.59	4.04	6.81	3.91
	24			4.40	3.22	5.27	3.66	5.70	3.77	5.97	3.79	6.50	4.00	6.72	3.88
	26			4.39	3.22	5.24	3.65	5.65	3.74	5.90	3.76	6.40	3.96	6.61	3.83
	28	3.98	3.16	4.39	3.22	5.22	3.64	5.60	3.72	5.83	3.72	6.30	3.92	6.51	3.80
	30	3.98	3.16	4.38	3.21	5.18	3.62	5.54	3.69	5.76	3.69	6.20	3.87	6.41	3.75
	32	3.98	3.16	4.37	3.21	5.14	3.60	5.49	3.67	5.69	3.66	6.11	3.84	6.31	3.72
	34	3.98	3.16	4.35	3.20	5.12	3.59	5.42	3.64	5.60	3.62	5.98	3.78	6.18	3.67
	35	3.98	3.16	4.35	3.20	5.11	3.59	5.38	3.62	5.56	3.61	5.91	3.75	6.12	3.65
	36	3.98	3.16	4.34	3.19	5.07	3.57	5.35	3.61	5.50	3.58	5.81	3.71	6.00	3.60
	38	3.98	3.16	4.33	3.19	5.00	3.54	5.30	3.58	5.40	3.54	5.60	3.63	5.76	3.51
	39	3.98	3.16	4.33	3.19	4.96	3.52	5.27	3.57	5.34	3.51	5.49	3.59	5.64	3.47
	41	3.98	3.16	4.31	3.18	4.81	3.45	5.06	3.48	5.12	3.42	5.25	3.49	5.38	3.38
	43	3.98	3.16	4.30	3.17	4.66	3.38	4.84	3.38	4.90	3.32	5.00	3.39	5.11	3.28

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Hi 10 (m³/min)	-19.8	-20	3.52	3.52	3.52	3.52	3.52
	-17.8	-18	3.75	3.75	3.75	3.75	3.75
	-15.7	-16	3.97	3.97	3.97	3.97	3.97
	-13.7	-14	4.20	4.20	4.20	4.20	4.20
	-11.7	-12	4.43	4.43	4.43	4.43	4.43
	-9.6	-10	4.65	4.65	4.65	4.65	4.65
	-7.5	-8	4.94	4.94	4.94	4.94	4.94
	-5.5	-6	5.22	5.22	5.22	5.22	5.22
	-3.4	-4	5.40	5.39	5.39	5.33	5.28
	-1.3	-2	5.58	5.57	5.55	5.45	5.34
	0.8	0	5.89	5.80	5.72	5.52	5.31
	3.9	3	6.39	6.16	5.93	5.60	5.27
	7.0	6	6.98	6.53	6.07	5.65	5.22
	10.1	9	6.93	6.49	6.05	5.61	5.17
	13.2	12	6.89	6.45	6.01	5.57	5.13
	16.9	15.5	6.84	6.40	5.96	5.52	5.08

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Me 9 (m³/min)	10			4.11	2.97	4.92	3.38	5.32	3.48	5.66	3.54	6.34	3.81	6.58	3.70
	12			4.11	2.97	4.92	3.38	5.32	3.48	5.65	3.54	6.32	3.81	6.56	3.69
	14			4.11	2.97	4.92	3.38	5.32	3.48	5.65	3.54	6.30	3.80	6.53	3.68
	16			4.11	2.97	4.92	3.38	5.32	3.48	5.64	3.53	6.27	3.78	6.50	3.67
	18			4.11	2.97	4.92	3.38	5.32	3.48	5.63	3.53	6.25	3.78	6.47	3.66
	20			4.11	2.97	4.92	3.38	5.32	3.48	5.62	3.53	6.23	3.77	6.44	3.64
	22			4.11	2.97	4.92	3.38	5.32	3.48	5.60	3.52	6.15	3.73	6.35	3.61
	24			4.10	2.97	4.92	3.38	5.32	3.48	5.57	3.50	6.07	3.70	6.27	3.58
	26			4.10	2.97	4.89	3.37	5.27	3.45	5.51	3.47	5.97	3.65	6.17	3.54
	28	3.71	2.91	4.10	2.97	4.87	3.36	5.22	3.43	5.44	3.44	5.88	3.62	6.07	3.50
	30	3.71	2.91	4.09	2.96	4.83	3.34	5.17	3.41	5.38	3.41	5.79	3.58	5.98	3.46
	32	3.71	2.91	4.08	2.96	4.79	3.32	5.12	3.39	5.31	3.38	5.70	3.54	5.89	3.43
	34	3.71	2.91	4.06	2.95	4.78	3.31	5.05	3.35	5.23	3.34	5.58	3.49	5.77	3.38
	35	3.71	2.91	4.06	2.95	4.77	3.31	5.02	3.34	5.19	3.33	5.52	3.46	5.71	3.36
	36	3.71	2.91	4.05	2.94	4.73	3.29	4.99	3.33	5.14	3.31	5.42	3.42	5.60	3.31
	38	3.71	2.91	4.04	2.94	4.66	3.26	4.94	3.30	5.04	3.26	5.22	3.34	5.38	3.23
	39	3.71	2.91	4.04	2.94	4.63	3.24	4.92	3.29	4.99	3.24	5.12	3.30	5.27	3.19
	41	3.71	2.91	4.02	2.93	4.49	3.18	4.72	3.20	4.78	3.15	4.89	3.21	5.02	3.10
	43	3.71	2.91	4.01	2.92	4.35	3.11	4.52	3.11	4.57	3.06	4.67	3.12	4.77	3.02

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Me 9 (m³/min)	-19.8	-20	3.22	3.22	3.22	3.22	3.22
	-17.8	-18	3.43	3.43	3.43	3.43	3.43
	-15.7	-16	3.64	3.64	3.64	3.64	3.64
	-13.7	-14	3.85	3.85	3.85	3.85	3.85
	-11.7	-12	4.06	4.06	4.06	4.06	4.06
	-9.6	-10	4.26	4.26	4.26	4.26	4.26
	-7.5	-8	4.52	4.52	4.52	4.52	4.52
	-5.5	-6	4.78	4.78	4.78	4.78	4.78
	-3.4	-4	4.95	4.94	4.93	4.89	4.84
	-1.3	-2	5.12	5.10	5.09	4.99	4.89
	0.8	0	5.39	5.32	5.24	5.05	4.87
	3.9	3	5.85	5.64	5.43	5.13	4.82
	7.0	6	6.39	5.98	5.56	5.17	4.78
	10.1	9	6.35	5.95	5.54	5.14	4.74
	13.2	12	6.31	5.91	5.50	5.10	4.70
	16.9	15.5	6.26	5.86	5.46	5.05	4.65

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Lo 8 (m³/min)	10			3.80	2.71	4.55	3.09	4.92	3.19	5.23	3.24	5.86	3.49	6.09	3.39
	12			3.80	2.71	4.55	3.09	4.92	3.19	5.23	3.24	5.84	3.49	6.06	3.38
	14			3.80	2.71	4.55	3.09	4.92	3.19	5.22	3.24	5.82	3.48	6.03	3.37
	16			3.80	2.71	4.55	3.09	4.92	3.19	5.21	3.23	5.80	3.47	6.01	3.36
	18			3.80	2.71	4.55	3.09	4.92	3.19	5.20	3.23	5.78	3.46	5.98	3.35
	20			3.80	2.71	4.55	3.09	4.92	3.19	5.20	3.23	5.76	3.45	5.95	3.33
	22			3.80	2.71	4.54	3.08	4.92	3.19	5.17	3.21	5.68	3.41	5.87	3.30
	24			3.79	2.71	4.54	3.08	4.92	3.19	5.15	3.20	5.61	3.38	5.79	3.26
	26			3.79	2.71	4.52	3.07	4.87	3.16	5.09	3.18	5.52	3.34	5.70	3.23
	28	3.43	2.66	3.79	2.71	4.50	3.06	4.83	3.14	5.03	3.15	5.43	3.30	5.61	3.19
	30	3.43	2.66	3.78	2.70	4.47	3.05	4.78	3.12	4.97	3.12	5.35	3.27	5.53	3.16
	32	3.43	2.66	3.77	2.70	4.43	3.03	4.73	3.09	4.91	3.09	5.27	3.23	5.45	3.13
	34	3.43	2.66	3.76	2.69	4.42	3.03	4.67	3.06	4.83	3.05	5.16	3.19	5.33	3.08
	35	3.43	2.66	3.75	2.69	4.41	3.02	4.64	3.05	4.79	3.04	5.10	3.16	5.28	3.06
	36	3.43	2.66	3.74	2.68	4.37	3.00	4.62	3.04	4.75	3.02	5.01	3.12	5.18	3.02
	38	3.43	2.66	3.74	2.68	4.31	2.97	4.57	3.02	4.66	2.98	4.83	3.04	4.97	2.94
	39	3.43	2.66	3.73	2.68	4.28	2.96	4.55	3.01	4.61	2.96	4.73	3.00	4.87	2.91
	41	3.43	2.66	3.72	2.67	4.15	2.90	4.36	2.92	4.42	2.87	4.52	2.92	4.64	2.82
	43	3.43	2.66	3.70	2.66	4.02	2.84	4.18	2.84	4.22	2.79	4.31	2.84	4.41	2.74

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Lo 8 (m³/min)	-19.8	-20	3.00	3.00	3.00	3.00	3.00
	-17.8	-18	3.19	3.19	3.19	3.19	3.19
	-15.7	-16	3.38	3.38	3.38	3.38	3.38
	-13.7	-14	3.58	3.58	3.58	3.58	3.58
	-11.7	-12	3.77	3.77	3.77	3.77	3.77
	-9.6	-10	3.96	3.96	3.96	3.96	3.96
	-7.5	-8	4.20	4.20	4.20	4.20	4.20
	-5.5	-6	4.45	4.45	4.45	4.45	4.45
	-3.4	-4	4.60	4.59	4.59	4.54	4.50
	-1.3	-2	4.76	4.74	4.73	4.64	4.55
	0.8	0	5.01	4.94	4.87	4.70	4.52
	3.9	3	5.44	5.25	5.05	4.77	4.48
	7.0	6	5.95	5.56	5.17	4.81	4.45
	10.1	9	5.91	5.53	5.15	4.78	4.41
	13.2	12	5.87	5.49	5.12	4.74	4.37
	16.9	15.5	5.82	5.45	5.07	4.70	4.32

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJG000Z022

Model **FDUM71KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
P-Hi 24 (m³/min)	10			5.82	5.32	6.96	6.01	7.53	6.12	8.01	6.19	8.97	6.70	9.31	6.54
	12			5.82	5.32	6.96	6.01	7.53	6.12	8.00	6.19	8.94	6.69	9.27	6.52
	14			5.82	5.32	6.96	6.01	7.53	6.12	7.99	6.18	8.90	6.68	9.23	6.51
	16			5.82	5.32	6.96	6.01	7.53	6.12	7.97	6.16	8.87	6.67	9.19	6.50
	18			5.82	5.32	6.96	6.01	7.53	6.12	7.96	6.16	8.84	6.66	9.15	6.49
	20			5.82	5.32	6.96	6.01	7.53	6.12	7.95	6.15	8.81	6.63	9.11	6.48
	22			5.81	5.31	6.95	6.00	7.53	6.12	7.92	6.14	8.70	6.60	8.99	6.44
	24			5.80	5.31	6.95	6.00	7.53	6.12	7.88	6.13	8.58	6.56	8.86	6.40
	26			5.80	5.31	6.92	5.99	7.46	6.10	7.79	6.10	8.45	6.51	8.73	6.35
	28	5.25	5.04	5.79	5.31	6.89	5.98	7.38	6.07	7.69	6.06	8.31	6.46	8.59	6.31
	30	5.25	5.04	5.78	5.30	6.83	5.96	7.31	6.03	7.60	6.03	8.19	6.42	8.46	6.27
	32	5.25	5.04	5.77	5.30	6.78	5.94	7.24	6.00	7.51	6.00	8.06	6.38	8.33	6.23
	34	5.25	5.04	5.75	5.29	6.76	5.93	7.15	5.97	7.39	5.94	7.89	6.32	8.16	6.17
	35	5.25	5.04	5.74	5.29	6.75	5.93	7.10	5.95	7.33	5.92	7.80	6.28	8.08	6.14
	36	5.25	5.04	5.73	5.28	6.69	5.91	7.06	5.94	7.26	5.90	7.66	6.23	7.92	6.10
	38	5.25	5.04	5.72	5.28	6.59	5.86	6.99	5.91	7.12	5.85	7.38	6.14	7.61	5.99
	39	5.25	5.04	5.71	5.27	6.54	5.84	6.96	5.90	7.05	5.83	7.24	6.08	7.45	5.95
	41	5.25	5.04	5.69	5.27	6.35	5.77	6.67	5.78	6.76	5.71	6.92	5.98	7.10	5.84
	43	5.25	5.04	5.67	5.26	6.15	5.69	6.39	5.68	6.46	5.61	6.60	5.87	6.75	5.73

Heat Mode

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
P-Hi 24 (m³/min)	-19.8	-20	4.64	4.64	4.64	4.64	4.64
	-17.8	-18	4.94	4.94	4.94	4.94	4.94
	-15.7	-16	5.24	5.24	5.24	5.24	5.24
	-13.7	-14	5.54	5.54	5.54	5.54	5.54
	-11.7	-12	5.83	5.83	5.83	5.83	5.83
	-9.6	-10	6.13	6.13	6.13	6.13	6.13
	-7.5	-8	6.51	6.51	6.51	6.51	6.51
	-5.5	-6	6.88	6.88	6.88	6.88	6.88
	-3.4	-4	7.12	7.11	7.10	7.03	6.96
	-1.3	-2	7.36	7.34	7.32	7.18	7.04
	0.8	0	7.76	7.65	7.54	7.27	7.00
	3.9	3	8.42	8.12	7.82	7.38	6.94
	7.0	6	9.20	8.60	8.00	7.44	6.88
	10.1	9	9.14	8.56	7.97	7.40	6.82
	13.2	12	9.08	8.50	7.92	7.34	6.76
	16.9	15.5	9.01	8.43	7.85	7.27	6.69

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
Hi 19 (m³/min)	10			5.65	4.71	6.75	5.33	7.30	5.44	7.77	5.50	8.70	5.95	9.04	5.81
	12			5.65	4.71	6.75	5.33	7.30	5.44	7.76	5.50	8.67	5.94	9.00	5.79
	14			5.65	4.71	6.75	5.33	7.30	5.44	7.75	5.50	8.64	5.93	8.96	5.77
	16			5.65	4.71	6.75	5.33	7.30	5.44	7.74	5.49	8.61	5.92	8.92	5.76
	18			5.65	4.71	6.75	5.33	7.30	5.44	7.73	5.49	8.58	5.91	8.88	5.75
	20			5.65	4.71	6.75	5.33	7.30	5.44	7.72	5.49	8.55	5.90	8.84	5.74
	22			5.64	4.71	6.75	5.33	7.30	5.44	7.68	5.47	8.44	5.85	8.72	5.70
	24			5.63	4.70	6.75	5.33	7.30	5.44	7.65	5.46	8.33	5.81	8.60	5.65
	26			5.63	4.70	6.71	5.30	7.23	5.41	7.56	5.43	8.20	5.77	8.47	5.61
	28	5.10	4.65	5.62	4.70	6.68	5.29	7.17	5.38	7.47	5.39	8.07	5.71	8.34	5.57
	30	5.10	4.65	5.61	4.69	6.63	5.27	7.10	5.36	7.38	5.35	7.94	5.67	8.21	5.51
	32	5.10	4.65	5.59	4.68	6.58	5.25	7.03	5.33	7.29	5.32	7.82	5.63	8.09	5.48
	34	5.10	4.65	5.58	4.68	6.56	5.24	6.94	5.29	7.18	5.28	7.66	5.56	7.92	5.42
	35	5.10	4.65	5.57	4.68	6.55	5.24	6.89	5.27	7.12	5.25	7.57	5.53	7.84	5.40
	36	5.10	4.65	5.56	4.67	6.50	5.22	6.86	5.25	7.05	5.22	7.44	5.49	7.68	5.34
	38	5.10	4.65	5.55	4.67	6.40	5.18	6.79	5.23	6.91	5.17	7.17	5.39	7.38	5.25
	39	5.10	4.65	5.54	4.66	6.35	5.16	6.75	5.21	6.84	5.14	7.03	5.34	7.23	5.19
	41	5.10	4.65	5.52	4.65	6.16	5.08	6.48	5.11	6.56	5.03	6.72	5.23	6.89	5.09
	43	5.10	4.65	5.50	4.65	5.97	5.00	6.20	5.00	6.27	4.92	6.41	5.11	6.55	4.98

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Hi 19 (m³/min)	-19.8	-20	4.49	4.49	4.49	4.49	4.49
	-17.8	-18	4.78	4.78	4.78	4.78	4.78
	-15.7	-16	5.07	5.07	5.07	5.07	5.07
	-13.7	-14	5.36	5.36	5.36	5.36	5.36
	-11.7	-12	5.65	5.65	5.65	5.65	5.65
	-9.6	-10	5.93	5.93	5.93	5.93	5.93
	-7.5	-8	6.30	6.30	6.30	6.30	6.30
	-5.5	-6	6.66	6.66	6.66	6.66	6.66
	-3.4	-4	6.89	6.88	6.87	6.80	6.73
	-1.3	-2	7.12	7.10	7.08	6.95	6.81
	0.8	0	7.51	7.40	7.29	7.03	6.77
	3.9	3	8.15	7.86	7.57	7.14	6.71
	7.0	6	8.90	8.32	7.74	7.20	6.66
	10.1	9	8.84	8.28	7.71	7.15	6.60
	13.2	12	8.78	8.22	7.66	7.10	6.54
	16.9	15.5	8.72	8.16	7.59	7.03	6.47

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
Me 15 (m³/min)	10			5.37	4.17	6.42	4.71	6.94	4.84	7.39	4.91	8.27	5.29	8.59	5.15
	12			5.37	4.17	6.42	4.71	6.94	4.84	7.38	4.91	8.24	5.28	8.55	5.13
	14			5.37	4.17	6.42	4.71	6.94	4.84	7.37	4.90	8.21	5.27	8.52	5.12
	16			5.37	4.17	6.42	4.71	6.94	4.84	7.36	4.90	8.18	5.25	8.48	5.11
	18			5.37	4.17	6.42	4.71	6.94	4.84	7.35	4.89	8.15	5.24	8.44	5.10
	20			5.37	4.17	6.42	4.71	6.94	4.84	7.34	4.88	8.12	5.23	8.41	5.08
	22			5.36	4.16	6.42	4.71	6.94	4.84	7.30	4.87	8.02	5.19	8.29	5.04
	24			5.35	4.16	6.41	4.70	6.94	4.84	7.27	4.86	7.92	5.15	8.18	5.00
	26			5.35	4.16	6.38	4.69	6.88	4.81	7.18	4.82	7.79	5.10	8.05	4.95
	28	4.85	4.10	5.34	4.15	6.35	4.68	6.81	4.78	7.10	4.79	7.67	5.05	7.93	4.91
	30	4.85	4.10	5.33	4.15	6.30	4.66	6.75	4.74	7.02	4.75	7.55	5.00	7.81	4.87
	32	4.85	4.10	5.32	4.14	6.26	4.64	6.68	4.71	6.93	4.70	7.44	4.96	7.69	4.82
	34	4.85	4.10	5.30	4.14	6.23	4.63	6.59	4.67	6.82	4.66	7.28	4.90	7.53	4.77
	35	4.85	4.10	5.29	4.13	6.22	4.62	6.55	4.66	6.77	4.64	7.20	4.87	7.45	4.74
	36	4.85	4.10	5.29	4.13	6.18	4.61	6.52	4.64	6.70	4.61	7.07	4.82	7.31	4.69
	38	4.85	4.10	5.27	4.12	6.08	4.57	6.45	4.62	6.57	4.56	6.81	4.72	7.02	4.58
	39	4.85	4.10	5.27	4.12	6.03	4.54	6.42	4.60	6.51	4.53	6.68	4.67	6.87	4.53
	41	4.85	4.10	5.25	4.11	5.85	4.47	6.16	4.50	6.23	4.43	6.39	4.57	6.55	4.42
	43	4.85	4.10	5.23	4.11	5.67	4.39	5.90	4.39	5.96	4.32	6.09	4.45	6.23	4.30

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Me 15 (m³/min)	-19.8	-20	4.22	4.22	4.22	4.22	4.22
	-17.8	-18	4.49	4.49	4.49	4.49	4.49
	-15.7	-16	4.76	4.76	4.76	4.76	4.76
	-13.7	-14	5.03	5.03	5.03	5.03	5.03
	-11.7	-12	5.30	5.30	5.30	5.30	5.30
	-9.6	-10	5.57	5.57	5.57	5.57	5.57
	-7.5	-8	5.91	5.91	5.91	5.91	5.91
	-5.5	-6	6.25	6.25	6.25	6.25	6.25
	-3.4	-4	6.47	6.46	6.45	6.39	6.32
	-1.3	-2	6.69	6.67	6.65	6.52	6.40
	0.8	0	7.05	6.95	6.85	6.61	6.36
	3.9	3	7.65	7.38	7.11	6.71	6.31
	7.0	6	8.36	7.82	7.27	6.76	6.25
	10.1	9	8.31	7.77	7.24	6.72	6.20
	13.2	12	8.25	7.72	7.20	6.67	6.14
	16.9	15.5	8.19	7.66	7.13	6.61	6.08

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
Lo 10 (m³/min)	10			4.81	3.39	5.75	3.86	6.22	3.99	6.62	4.07	7.42	4.38	7.70	4.24
	12			4.81	3.39	5.75	3.86	6.22	3.99	6.61	4.06	7.39	4.37	7.67	4.23
	14			4.81	3.39	5.75	3.86	6.22	3.99	6.60	4.06	7.36	4.35	7.63	4.21
	16			4.81	3.39	5.75	3.86	6.22	3.99	6.59	4.05	7.33	4.34	7.60	4.20
	18			4.81	3.39	5.75	3.86	6.22	3.99	6.58	4.05	7.31	4.33	7.57	4.19
	20			4.81	3.39	5.75	3.86	6.22	3.99	6.58	4.05	7.28	4.31	7.53	4.17
	22			4.80	3.38	5.75	3.86	6.22	3.99	6.54	4.03	7.19	4.27	7.43	4.13
	24			4.80	3.38	5.75	3.86	6.22	3.99	6.51	4.02	7.10	4.23	7.33	4.09
	26			4.79	3.38	5.72	3.85	6.16	3.95	6.44	3.98	6.99	4.19	7.22	4.04
	28	4.34	3.31	4.79	3.38	5.69	3.83	6.10	3.92	6.36	3.94	6.87	4.13	7.10	3.99
	30	4.34	3.31	4.78	3.37	5.65	3.81	6.05	3.90	6.29	3.90	6.77	4.08	7.00	3.95
	32	4.34	3.31	4.77	3.37	5.61	3.79	5.99	3.87	6.21	3.87	6.66	4.04	6.89	3.91
	34	4.34	3.31	4.75	3.36	5.59	3.78	5.91	3.83	6.11	3.82	6.52	3.97	6.75	3.85
	35	4.34	3.31	4.74	3.36	5.58	3.78	5.87	3.82	6.06	3.80	6.45	3.95	6.68	3.82
	36	4.34	3.31	4.74	3.36	5.53	3.75	5.84	3.80	6.01	3.78	6.34	3.90	6.55	3.77
	38	4.34	3.31	4.73	3.35	5.45	3.72	5.78	3.77	5.89	3.72	6.10	3.79	6.29	3.67
	39	4.34	3.31	4.72	3.35	5.41	3.69	5.75	3.76	5.83	3.69	5.99	3.75	6.16	3.62
	41	4.34	3.31	4.70	3.34	5.25	3.62	5.52	3.65	5.59	3.58	5.72	3.64	5.87	3.51
	43	4.34	3.31	4.69	3.33	5.08	3.54	5.28	3.54	5.34	3.47	5.46	3.53	5.58	3.39

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Lo 10 (m³/min)	-19.8	-20	3.77	3.77	3.77	3.77	3.77
	-17.8	-18	4.01	4.01	4.01	4.01	4.01
	-15.7	-16	4.26	4.26	4.26	4.26	4.26
	-13.7	-14	4.50	4.50	4.50	4.50	4.50
	-11.7	-12	4.74	4.74	4.74	4.74	4.74
	-9.6	-10	4.98	4.98	4.98	4.98	4.98
	-7.5	-8	5.29	5.29	5.29	5.29	5.29
	-5.5	-6	5.59	5.59	5.59	5.59	5.59
	-3.4	-4	5.79	5.78	5.77	5.71	5.66
	-1.3	-2	5.98	5.96	5.95	5.83	5.72
	0.8	0	6.31	6.22	6.13	5.91	5.69
	3.9	3	6.84	6.60	6.35	6.00	5.64
	7.0	6	7.48	6.99	6.50	6.05	5.59
	10.1	9	7.43	6.95	6.48	6.01	5.54
	13.2	12	7.38	6.91	6.44	5.96	5.49
	16.9	15.5	7.32	6.85	6.38	5.91	5.44

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJG000Z022

Model **FDUM90KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
P-Hi 24 (m³/min)	10			7.38	6.01	8.82	6.77	9.54	6.94	10.15	7.03	11.37	7.59	11.80	7.40
	12			7.38	6.01	8.82	6.77	9.54	6.94	10.14	7.03	11.33	7.58	11.75	7.39
	14			7.38	6.01	8.82	6.77	9.54	6.94	10.12	7.02	11.29	7.56	11.70	7.36
	16			7.38	6.01	8.82	6.77	9.54	6.94	10.11	7.02	11.25	7.55	11.65	7.34
	18			7.38	6.01	8.82	6.77	9.54	6.94	10.09	7.01	11.20	7.53	11.60	7.33
	20			7.38	6.01	8.82	6.77	9.54	6.94	10.08	7.01	11.16	7.52	11.55	7.31
	22			7.37	6.00	8.82	6.77	9.54	6.94	10.03	6.99	11.02	7.45	11.39	7.24
	24			7.36	6.00	8.81	6.76	9.54	6.94	9.99	6.97	10.88	7.41	11.24	7.20
	26			7.35	5.99	8.77	6.75	9.45	6.91	9.87	6.91	10.71	7.33	11.06	7.14
	28	6.66	5.92	7.34	5.99	8.73	6.73	9.36	6.86	9.75	6.87	10.54	7.28	10.89	7.08
	30	6.66	5.92	7.33	5.97	8.66	6.70	9.27	6.80	9.64	6.83	10.38	7.21	10.73	7.03
	32	6.66	5.92	7.31	5.97	8.60	6.68	9.18	6.77	9.53	6.75	10.22	7.15	10.56	6.93
	34	6.66	5.92	7.28	5.95	8.57	6.67	9.06	6.72	9.37	6.69	10.00	7.04	10.35	6.87
	35	6.66	5.92	7.27	5.95	8.55	6.66	9.00	6.70	9.30	6.67	9.89	7.01	10.24	6.83
	36	6.66	5.92	7.26	5.94	8.49	6.64	8.96	6.68	9.21	6.63	9.72	6.95	10.04	6.77
	38	6.66	5.92	7.25	5.94	8.36	6.59	8.87	6.65	9.03	6.57	9.36	6.83	9.64	6.65
	39	6.66	5.92	7.24	5.94	8.29	6.56	8.82	6.63	8.94	6.54	9.18	6.77	9.44	6.59
	41	6.66	5.92	7.21	5.92	8.04	6.45	8.46	6.49	8.56	6.40	8.77	6.62	9.00	6.44
	43	6.66	5.92	7.19	5.92	7.80	6.36	8.10	6.34	8.19	6.25	8.37	6.49	8.56	6.30

Heat Mode

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
P-Hi 24 (m³/min)	-19.8	-20	5.80	5.80	5.80	5.80	5.80
	-17.8	-18	6.17	6.17	6.17	6.17	6.17
	-15.7	-16	6.55	6.55	6.55	6.55	6.55
	-13.7	-14	6.92	6.92	6.92	6.92	6.92
	-11.7	-12	7.29	7.29	7.29	7.29	7.29
	-9.6	-10	7.67	7.67	7.67	7.67	7.67
	-7.5	-8	8.13	8.13	8.13	8.13	8.13
	-5.5	-6	8.60	8.60	8.60	8.60	8.60
	-3.4	-4	8.90	8.89	8.88	8.79	8.70
	-1.3	-2	9.20	9.18	9.15	8.98	8.80
	0.8	0	9.70	9.56	9.43	9.09	8.75
	3.9	3	10.53	10.15	9.78	9.23	8.68
	7.0	6	11.50	10.75	10.00	9.30	8.60
	10.1	9	11.43	10.69	9.96	9.24	8.53
	13.2	12	11.35	10.63	9.90	9.18	8.45
	16.9	15.5	11.26	10.54	9.81	9.09	8.36

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
Hi 19 (m³/min)	10			7.25	5.45	8.67	6.17	9.38	6.35	9.98	6.44	11.18	6.94	11.61	6.75
	12			7.25	5.45	8.67	6.17	9.38	6.35	9.97	6.44	11.14	6.93	11.56	6.73
	14			7.25	5.45	8.67	6.17	9.38	6.35	9.95	6.43	11.10	6.91	11.51	6.71
	16			7.25	5.45	8.67	6.17	9.38	6.35	9.94	6.43	11.06	6.90	11.46	6.69
	18			7.25	5.45	8.67	6.17	9.38	6.35	9.93	6.42	11.02	6.87	11.41	6.68
	20			7.25	5.45	8.67	6.17	9.38	6.35	9.91	6.41	10.98	6.86	11.36	6.65
	22			7.24	5.44	8.67	6.17	9.38	6.35	9.87	6.40	10.84	6.81	11.20	6.59
	24			7.23	5.44	8.67	6.17	9.38	6.35	9.82	6.37	10.70	6.74	11.05	6.53
	26			7.23	5.44	8.62	6.15	9.29	6.30	9.71	6.32	10.53	6.67	10.88	6.47
	28	6.55	5.34	7.22	5.43	8.58	6.13	9.20	6.24	9.59	6.27	10.36	6.61	10.71	6.41
	30	6.55	5.34	7.20	5.42	8.52	6.10	9.12	6.21	9.48	6.21	10.20	6.54	10.55	6.35
	32	6.55	5.34	7.19	5.42	8.45	6.07	9.03	6.17	9.37	6.16	10.05	6.47	10.39	6.29
	34	6.55	5.34	7.16	5.40	8.42	6.06	8.91	6.12	9.22	6.10	9.83	6.39	10.17	6.21
	35	6.55	5.34	7.15	5.39	8.41	6.06	8.85	6.10	9.14	6.07	9.73	6.35	10.07	6.17
	36	6.55	5.34	7.14	5.39	8.34	6.02	8.81	6.08	9.05	6.04	9.55	6.28	9.87	6.08
	38	6.55	5.34	7.12	5.38	8.22	5.97	8.72	6.05	8.88	5.97	9.20	6.13	9.48	5.95
	39	6.55	5.34	7.12	5.38	8.15	5.94	8.67	6.02	8.79	5.93	9.03	6.07	9.28	5.89
	41	6.55	5.34	7.09	5.37	7.91	5.83	8.32	5.87	8.42	5.77	8.63	5.93	8.85	5.74
	43	6.55	5.34	7.07	5.36	7.67	5.72	7.97	5.72	8.05	5.62	8.23	5.78	8.41	5.59

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Hi 19 (m³/min)	-19.8	-20	5.66	5.66	5.66	5.66	5.66
	-17.8	-18	6.02	6.02	6.02	6.02	6.02
	-15.7	-16	6.38	6.38	6.38	6.38	6.38
	-13.7	-14	6.75	6.75	6.75	6.75	6.75
	-11.7	-12	7.11	7.11	7.11	7.11	7.11
	-9.6	-10	7.48	7.48	7.48	7.48	7.48
	-7.5	-8	7.93	7.93	7.93	7.93	7.93
	-5.5	-6	8.39	8.39	8.39	8.39	8.39
	-3.4	-4	8.68	8.67	8.65	8.57	8.48
	-1.3	-2	8.97	8.95	8.92	8.75	8.58
	0.8	0	9.46	9.32	9.19	8.86	8.53
	3.9	3	10.26	9.90	9.53	8.99	8.46
	7.0	6	11.21	10.48	9.75	9.07	8.39
	10.1	9	11.14	10.43	9.71	9.01	8.31
	13.2	12	11.07	10.36	9.65	8.95	8.24
	16.9	15.5	10.98	10.27	9.57	8.86	8.15

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
Me 15 (m³/min)	10			6.89	4.90	8.23	5.57	8.90	5.74	9.47	5.85	10.61	6.30	11.02	6.12
	12			6.89	4.90	8.23	5.57	8.90	5.74	9.46	5.84	10.57	6.29	10.97	6.09
	14			6.89	4.90	8.23	5.57	8.90	5.74	9.45	5.84	10.53	6.27	10.92	6.07
	16			6.89	4.90	8.23	5.57	8.90	5.74	9.43	5.83	10.50	6.26	10.88	6.06
	18			6.89	4.90	8.23	5.57	8.90	5.74	9.42	5.83	10.46	6.23	10.83	6.04
	20			6.89	4.90	8.23	5.57	8.90	5.74	9.41	5.82	10.42	6.22	10.78	6.01
	22			6.88	4.89	8.23	5.57	8.90	5.74	9.37	5.80	10.29	6.16	10.63	5.95
	24			6.87	4.89	8.22	5.56	8.90	5.74	9.32	5.78	10.16	6.10	10.49	5.89
	26			6.86	4.88	8.19	5.55	8.82	5.70	9.21	5.72	10.00	6.03	10.33	5.83
	28	6.22	4.79	6.85	4.88	8.15	5.53	8.74	5.66	9.10	5.67	9.84	5.96	10.16	5.76
	30	6.22	4.79	6.84	4.87	8.09	5.50	8.65	5.62	9.00	5.63	9.69	5.89	10.01	5.70
	32	6.22	4.79	6.82	4.86	8.02	5.46	8.57	5.58	8.89	5.58	9.54	5.83	9.86	5.64
	34	6.22	4.79	6.80	4.85	7.99	5.45	8.46	5.53	8.75	5.51	9.33	5.74	9.66	5.56
	35	6.22	4.79	6.79	4.84	7.98	5.44	8.40	5.50	8.68	5.48	9.23	5.69	9.55	5.52
	36	6.22	4.79	6.78	4.84	7.92	5.42	8.36	5.48	8.59	5.44	9.07	5.63	9.37	5.43
	38	6.22	4.79	6.76	4.83	7.80	5.35	8.27	5.44	8.43	5.37	8.74	5.48	9.00	5.30
	39	6.22	4.79	6.75	4.82	7.74	5.33	8.23	5.42	8.34	5.32	8.57	5.41	8.81	5.23
	41	6.22	4.79	6.73	4.81	7.51	5.22	7.90	5.27	7.99	5.17	8.19	5.26	8.40	5.08
	43	6.22	4.79	6.71	4.81	7.28	5.11	7.56	5.11	7.64	5.01	7.81	5.11	7.99	4.93

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Me 15 (m³/min)	-19.8	-20	5.34	5.34	5.34	5.34	5.34
	-17.8	-18	5.68	5.68	5.68	5.68	5.68
	-15.7	-16	6.02	6.02	6.02	6.02	6.02
	-13.7	-14	6.37	6.37	6.37	6.37	6.37
	-11.7	-12	6.71	6.71	6.71	6.71	6.71
	-9.6	-10	7.05	7.05	7.05	7.05	7.05
	-7.5	-8	7.48	7.48	7.48	7.48	7.48
	-5.5	-6	7.91	7.91	7.91	7.91	7.91
	-3.4	-4	8.19	8.18	8.17	8.08	8.00
	-1.3	-2	8.46	8.44	8.42	8.26	8.10
	0.8	0	8.92	8.80	8.67	8.36	8.05
	3.9	3	9.68	9.34	8.99	8.49	7.98
	7.0	6	10.58	9.89	9.20	8.56	7.91
	10.1	9	10.51	9.84	9.17	8.50	7.84
	13.2	12	10.44	9.78	9.11	8.44	7.77
	16.9	15.5	10.36	9.69	9.03	8.36	7.69

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃WB TC	SHC	33℃CDB 24℃WB TC	SHC
Lo 10 (m³/min)	10			5.99	4.02	7.16	4.61	7.75	4.79	8.24	4.91	9.23	5.31	9.59	5.13
	12			5.99	4.02	7.16	4.61	7.75	4.79	8.23	4.91	9.20	5.29	9.55	5.11
	14			5.99	4.02	7.16	4.61	7.75	4.79	8.22	4.90	9.17	5.27	9.51	5.09
	16			5.99	4.02	7.16	4.61	7.75	4.79	8.21	4.90	9.13	5.25	9.46	5.06
	18			5.99	4.02	7.16	4.61	7.75	4.79	8.20	4.89	9.10	5.23	9.42	5.04
	20			5.99	4.02	7.16	4.61	7.75	4.79	8.19	4.89	9.07	5.22	9.38	5.02
	22			5.98	4.01	7.16	4.61	7.75	4.79	8.15	4.86	8.95	5.15	9.25	4.96
	24			5.98	4.01	7.16	4.61	7.75	4.79	8.11	4.84	8.84	5.09	9.13	4.90
	26			5.97	4.01	7.12	4.59	7.68	4.75	8.02	4.79	8.70	5.02	8.99	4.83
	28	5.41	3.91	5.96	4.00	7.09	4.57	7.60	4.71	7.92	4.73	8.56	4.95	8.85	4.77
	30	5.41	3.91	5.95	4.00	7.04	4.54	7.53	4.67	7.83	4.68	8.43	4.88	8.71	4.70
	32	5.41	3.91	5.94	3.99	6.98	4.51	7.46	4.63	7.74	4.64	8.30	4.81	8.58	4.64
	34	5.41	3.91	5.92	3.98	6.96	4.50	7.36	4.58	7.61	4.57	8.12	4.72	8.40	4.56
	35	5.41	3.91	5.91	3.97	6.94	4.49	7.31	4.55	7.55	4.54	8.04	4.68	8.31	4.51
	36	5.41	3.91	5.90	3.97	6.89	4.46	7.27	4.53	7.48	4.50	7.89	4.61	8.15	4.44
	38	5.41	3.91	5.88	3.96	6.79	4.41	7.20	4.49	7.33	4.42	7.60	4.47	7.83	4.30
	39	5.41	3.91	5.88	3.96	6.73	4.37	7.16	4.47	7.26	4.39	7.46	4.40	7.67	4.23
	41	5.41	3.91	5.86	3.95	6.53	4.26	6.87	4.32	6.96	4.23	7.13	4.25	7.31	4.08
	43	5.41	3.91	5.84	3.93	6.33	4.16	6.58	4.17	6.65	4.08	6.80	4.10	6.95	3.93

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Lo 10 (m³/min)	-19.8	-20	4.59	4.59	4.59	4.59	4.59
	-17.8	-18	4.89	4.89	4.89	4.89	4.89
	-15.7	-16	5.18	5.18	5.18	5.18	5.18
	-13.7	-14	5.48	5.48	5.48	5.48	5.48
	-11.7	-12	5.78	5.78	5.78	5.78	5.78
	-9.6	-10	6.07	6.07	6.07	6.07	6.07
	-7.5	-8	6.44	6.44	6.44	6.44	6.44
	-5.5	-6	6.81	6.81	6.81	6.81	6.81
	-3.4	-4	7.05	7.04	7.03	6.96	6.89
	-1.3	-2	7.29	7.27	7.25	7.11	6.97
	0.8	0	7.68	7.57	7.46	7.20	6.93
	3.9	3	8.34	8.04	7.74	7.31	6.87
	7.0	6	9.11	8.51	7.92	7.37	6.81
	10.1	9	9.05	8.47	7.89	7.32	6.75
	13.2	12	8.99	8.42	7.84	7.27	6.69
	16.9	15.5	8.92	8.35	7.77	7.20	6.62

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJG000Z022

Model **FDUM112KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃CWB TC	SHC	33℃CDB 24℃CWB TC	SHC
P-Hi 36 (m³/min)	10			9.18	7.72	10.97	8.72	11.87	8.91	12.63	9.01	14.15	9.75	14.69	9.51
	12			9.18	7.72	10.97	8.72	11.87	8.91	12.61	9.00	14.10	9.71	14.63	9.43
	14			9.18	7.72	10.97	8.72	11.87	8.91	12.60	9.00	14.05	9.70	14.56	9.41
	16			9.18	7.72	10.97	8.72	11.87	8.91	12.58	8.99	14.00	9.69	14.50	9.40
	18			9.18	7.72	10.97	8.72	11.87	8.91	12.56	8.98	13.94	9.67	14.44	9.38
	20			9.18	7.72	10.97	8.72	11.87	8.91	12.55	8.98	13.89	9.65	14.37	9.36
	22			9.17	7.72	10.97	8.72	11.87	8.91	12.49	8.96	13.72	9.54	14.18	9.31
	24			9.15	7.71	10.97	8.72	11.87	8.91	12.43	8.94	13.54	9.48	13.98	9.25
	26			9.15	7.71	10.92	8.70	11.76	8.87	12.28	8.87	13.33	9.42	13.77	9.19
	28	8.29	7.59	9.14	7.71	10.86	8.66	11.65	8.81	12.14	8.82	13.11	9.35	13.55	9.11
	30	8.29	7.59	9.12	7.68	10.78	8.63	11.54	8.77	12.00	8.76	12.91	9.27	13.35	9.04
	32	8.29	7.59	9.09	7.67	10.70	8.60	11.42	8.71	11.85	8.71	12.71	9.21	13.15	8.98
	34	8.29	7.59	9.06	7.66	10.66	8.59	11.27	8.66	11.66	8.62	12.45	9.11	12.87	8.88
	35	8.29	7.59	9.05	7.65	10.64	8.58	11.20	8.63	11.57	8.59	12.31	9.05	12.74	8.85
	36	8.29	7.59	9.04	7.65	10.56	8.55	11.14	8.61	11.46	8.56	12.09	8.98	12.49	8.76
	38	8.29	7.59	9.02	7.64	10.40	8.48	11.03	8.56	11.24	8.47	11.65	8.83	12.00	8.60
	39	8.29	7.59	9.00	7.60	10.32	8.45	10.98	8.54	11.13	8.43	11.43	8.75	11.75	8.52
	41	8.29	7.59	8.97	7.59	10.01	8.32	10.53	8.37	10.66	8.24	10.92	8.58	11.20	8.28
	43	8.29	7.59	8.94	7.58	9.70	8.19	10.08	8.17	10.19	8.06	10.41	8.34	10.65	8.13

Heat Mode

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
P-Hi 36 (m³/min)	-19.8	-20	7.25	7.25	7.25	7.25	7.25
	-17.8	-18	7.72	7.72	7.72	7.72	7.72
	-15.7	-16	8.18	8.18	8.18	8.18	8.18
	-13.7	-14	8.65	8.65	8.65	8.65	8.65
	-11.7	-12	9.12	9.12	9.12	9.12	9.12
	-9.6	-10	9.58	9.58	9.58	9.58	9.58
	-7.5	-8	10.17	10.17	10.17	10.17	10.17
	-5.5	-6	10.75	10.75	10.75	10.75	10.75
	-3.4	-4	11.13	11.11	11.09	10.98	10.88
	-1.3	-2	11.50	11.47	11.44	11.22	11.00
	0.8	0	12.13	11.95	11.78	11.36	10.94
	3.9	3	13.16	12.69	12.22	11.53	10.84
	7.0	6	14.38	13.44	12.50	11.63	10.75
	10.1	9	14.28	13.37	12.45	11.55	10.66
	13.2	12	14.19	13.28	12.38	11.47	10.56
	16.9	15.5	14.08	13.17	12.27	11.36	10.45

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃CWB TC	SHC	33℃CDB 24℃CWB TC	SHC
Hi 28 (m³/min)	10			8.94	6.86	10.69	7.79	11.56	7.99	12.30	8.12	13.78	8.76	14.31	8.50
	12			8.94	6.86	10.69	7.79	11.56	7.99	12.29	8.11	13.73	8.74	14.25	8.48
	14			8.94	6.86	10.69	7.79	11.56	7.99	12.27	8.11	13.68	8.68	14.19	8.46
	16			8.94	6.86	10.69	7.79	11.56	7.99	12.25	8.10	13.63	8.67	14.13	8.44
	18			8.94	6.86	10.69	7.79	11.56	7.99	12.24	8.10	13.58	8.65	14.06	8.42
	20			8.94	6.86	10.69	7.79	11.56	7.99	12.22	8.08	13.53	8.63	14.00	8.41
	22			8.93	6.85	10.69	7.79	11.56	7.99	12.16	8.05	13.36	8.58	13.81	8.33
	24			8.92	6.85	10.68	7.79	11.56	7.99	12.11	8.04	13.19	8.51	13.62	8.26
	26			8.91	6.84	10.63	7.77	11.46	7.95	11.96	7.97	12.98	8.43	13.41	8.19
	28	8.07	6.77	8.90	6.84	10.58	7.75	11.35	7.90	11.82	7.91	12.77	8.34	13.20	8.11
	30	8.07	6.77	8.88	6.83	10.50	7.71	11.24	7.83	11.68	7.86	12.58	8.27	13.00	8.04
	32	8.07	6.77	8.86	6.82	10.42	7.68	11.13	7.79	11.55	7.77	12.39	8.19	12.81	7.97
	34	8.07	6.77	8.83	6.81	10.38	7.66	10.98	7.73	11.36	7.70	12.12	8.09	12.54	7.83
	35	8.07	6.77	8.82	6.81	10.36	7.65	10.91	7.71	11.27	7.67	11.99	8.04	12.41	7.79
	36	8.07	6.77	8.80	6.80	10.29	7.61	10.86	7.69	11.16	7.63	11.78	7.92	12.17	7.72
	38	8.07	6.77	8.78	6.79	10.13	7.55	10.75	7.64	10.95	7.55	11.35	7.79	11.69	7.57
	39	8.07	6.77	8.77	6.79	10.05	7.51	10.69	7.61	10.84	7.49	11.13	7.70	11.45	7.48
	41	8.07	6.77	8.74	6.77	9.75	7.38	10.26	7.43	10.38	7.31	10.64	7.52	10.91	7.30
	43	8.07	6.77	8.71	6.76	9.45	7.24	9.82	7.24	9.93	7.14	10.14	7.33	10.37	7.12

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Hi 28 (m³/min)	-19.8	-20	7.05	7.05	7.05	7.05	7.05
	-17.8	-18	7.51	7.51	7.51	7.51	7.51
	-15.7	-16	7.96	7.96	7.96	7.96	7.96
	-13.7	-14	8.41	8.41	8.41	8.41	8.41
	-11.7	-12	8.87	8.87	8.87	8.87	8.87
	-9.6	-10	9.32	9.32	9.32	9.32	9.32
	-7.5	-8	9.89	9.89	9.89	9.89	9.89
	-5.5	-6	10.46	10.46	10.46	10.46	10.46
	-3.4	-4	10.82	10.81	10.79	10.69	10.58
	-1.3	-2	11.19	11.16	11.13	10.91	10.70
	0.8	0	11.80	11.63	11.46	11.05	10.64
	3.9	3	12.80	12.34	11.89	11.22	10.55
	7.0	6	13.98	13.07	12.16	11.31	10.46
	10.1	9	13.89	13.00	12.11	11.24	10.37
	13.2	12	13.80	12.92	12.04	11.16	10.28
	16.9	15.5	13.70	12.81	11.93	11.05	10.17

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃CWB TC	SHC	33℃CDB 24℃CWB TC	SHC
Me 25 (m³/min)	10			8.43	6.41	10.07	7.26	10.90	7.46	11.59	7.55	12.99	8.16	13.48	7.94
	12			8.43	6.41	10.07	7.26	10.90	7.46	11.58	7.55	12.94	8.15	13.43	7.92
	14			8.43	6.41	10.07	7.26	10.90	7.46	11.56	7.54	12.89	8.13	13.37	7.89
	16			8.43	6.41	10.07	7.26	10.90	7.46	11.55	7.54	12.85	8.10	13.31	7.87
	18			8.43	6.41	10.07	7.26	10.90	7.46	11.53	7.53	12.80	8.09	13.25	7.86
	20			8.43	6.41	10.07	7.26	10.90	7.46	11.52	7.53	12.75	8.07	13.19	7.82
	22			8.41	6.40	10.07	7.26	10.90	7.46	11.46	7.51	12.59	8.00	13.01	7.76
	24			8.40	6.39	10.07	7.26	10.90	7.46	11.41	7.49	12.43	7.94	12.83	7.69
	26			8.40	6.39	10.02	7.23	10.79	7.40	11.27	7.44	12.23	7.86	12.64	7.62
	28	7.61	6.29	8.39	6.39	9.97	7.21	10.69	7.36	11.14	7.38	12.04	7.78	12.44	7.54
	30	7.61	6.29	8.37	6.38	9.89	7.18	10.59	7.31	11.01	7.32	11.85	7.70	12.25	7.45
	32	7.61	6.29	8.35	6.37	9.82	7.14	10.49	7.28	10.88	7.26	11.67	7.63	12.07	7.39
	34	7.61	6.29	8.32	6.36	9.78	7.13	10.35	7.21	10.71	7.20	11.42	7.51	11.82	7.32
	35	7.61	6.29	8.31	6.35	9.77	7.12	10.28	7.19	10.62	7.15	11.30	7.47	11.69	7.28
	36	7.61	6.29	8.30	6.35	9.69	7.09	10.23	7.16	10.52	7.12	11.10	7.41	11.47	7.20
	38	7.61	6.29	8.28	6.34	9.55	7.03	10.13	7.12	10.31	7.02	10.69	7.25	11.01	7.04
	39	7.61	6.29	8.27	6.34	9.47	7.00	10.07	7.10	10.21	6.98	10.49	7.17	10.78	6.96
	41	7.61	6.29	8.24	6.32	9.19	6.85	9.66	6.92	9.78	6.78	10.02	6.99	10.28	6.78
	43	7.61	6.29	8.21	6.31	8.90	6.74	9.25	6.73	9.35	6.63	9.56	6.82	9.77	6.58

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Me 25 (m³/min)	-19.8	-20	6.59	6.59	6.59	6.59	6.59
	-17.8	-18	7.01	7.01	7.01	7.01	7.01
	-15.7	-16	7.44	7.44	7.44	7.44	7.44
	-13.7	-14	7.86	7.86	7.86	7.86	7.86
	-11.7	-12	8.29	8.29	8.29	8.29	8.29
	-9.6	-10	8.71	8.71	8.71	8.71	8.71
	-7.5	-8	9.24	9.24	9.24	9.24	9.24
	-5.5	-6	9.77	9.77	9.77	9.77	9.77
	-3.4	-4	10.11	10.10	10.08	9.98	9.88
	-1.3	-2	10.45	10.42	10.39	10.20	10.00
	0.8	0	11.02	10.86	10.71	10.32	9.94
	3.9	3	11.96	11.53	11.10	10.48	9.85
	7.0	6	13.06	12.21	11.36	10.56	9.77
	10.1	9	12.98	12.15	11.32	10.50	9.68
	13.2	12	12.89	12.07	11.25	10.42	9.60
	16.9	15.5	12.79	11.97	11.15	10.32	9.50

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	SHC	23℃CDB 16℃CWB TC	SHC	26℃CDB 18℃CWB TC	SHC	27℃CDB 19℃CWB TC	SHC	28℃CDB 20℃CWB TC	SHC	31℃CDB 22℃CWB TC	SHC	33℃CDB 24℃CWB TC	SHC
Lo 19 (m³/min)	10			7.53	5.45	9.01	6.20	9.74	6.37	10.36	6.50	11.61	7.00	12.05	6.80
	12			7.53	5.45	9.01	6.20	9.74	6.37	10.35	6.49	11.57	6.98	12.00	6.77
	14			7.53	5.45	9.01	6.20	9.74	6.37	10.34	6.49	11.53	6.97	11.95	6.75
	16			7.53	5.45	9.01	6.20	9.74	6.37	10.32	6.47	11.48	6.94	11.90	6.73
	18			7.53	5.45	9.01	6.20	9.74	6.37	10.31	6.47	11.44	6.93	11.85	6.71
	20			7.53	5.45	9.01	6.20	9.74	6.37	10.29	6.46	11.40	6.91	11.79	6.68
	22			7.52	5.44	9.00	6.19	9.74	6.37	10.25	6.45	11.26	6.85	11.63	6.60
	24			7.51	5.44	9.00	6.19	9.74	6.37	10.20	6.42	11.11	6.78	11.47	6.55
	26			7.51	5.44	8.96	6.17	9.65	6.33	10.08	6.36	10.94	6.69	11.30	6.49
	28	6.80	5.34	7.50	5.44	8.91	6.15	9.56	6.30	9.96	6.30	10.76	6.63	11.12	6.42
	30	6.80	5.34	7.48	5.43	8.85	6.12	9.47	6.25	9.84	6.25	10.60	6.56	10.95	6.35
	32	6.80	5.34	7.46	5.42	8.78	6.09	9.37	6.21	9.73	6.21	10.43	6.48	10.79	6.29
	34	6.80	5.34	7.44	5.41	8.75	6.08	9.25	6.15	9.57	6.13	10.21	6.40	10.56	6.20
	35	6.80	5.34	7.43	5.40	8.73	6.06	9.19	6.12	9.49	6.10	10.10	6.35	10.45	6.15
	36	6.80	5.34	7.42	5.40	8.66	6.03	9.14	6.10	9.40	6.06	9.92	6.28	10.25	6.06
	38	6.80	5.34	7.40	5.39	8.53	5.97	9.05	6.06	9.22	5.98	9.56	6.12	9.84	5.93
	39	6.80	5.34	7.39	5.39	8.47	5.95	9.01	6.04	9.13	5.94	9.38	6.05	9.64	5.85
	41	6.80	5.34	7.36	5.37	8.21	5.81	8.64	5.87	8.75	5.78	8.96	5.88	9.19	5.69
	43	6.80	5.34	7.34	5.36	7.96	5.70	8.27	5.70	8.36	5.60	8.54	5.72	8.74	5.53

Air flow (m³/min)	outdoor temp DB	WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Lo 19 (m³/min)	-19.8	-20	5.90	5.90	5.90	5.90	5.90
	-17.8	-18	6.28	6.28	6.28	6.28	6.28
	-15.7	-16	6.66	6.66	6.66	6.66	6.66
	-13.7	-14	7.04	7.04	7.04	7.04	7.04
	-11.7	-12	7.42	7.42	7.42	7.42	7.42
	-9.6	-10	7.80	7.80	7.80	7.80	7.80
	-7.5	-8	8.27	8.27	8.27	8.27	8.27
	-5.5	-6	8.75	8.75	8.75	8.75	8.75
	-3.4	-4	9.05	9.04	9.03	8.94	8.85
	-1.3	-2	9.36	9.33	9.31	9.13	8.95
	0.8	0	9.86	9.73	9.59	9.24	8.90
	3.9	3	10.70	10.32	9.94	9.38	8.82
	7.0	6	11.70	10.93	10.17	9.46	8.75
	10.1	9	11.62	10.88	10.13	9.40	8.67
	13.2	12	11.54	10.81	10.07	9.33	8.59
	16.9	15.5	11.45	10.72	9.98	9.24	8.50

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJG000Z022

Model **FDUM140KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃CWB TC	31℃CDB 22℃CWB SHC	33℃CDB 24℃CWB TC	33℃CDB 24℃CWB SHC
P-Hi 39 (m³/min)	10			11.48	9.96	13.72	11.27	14.84	11.49	15.79	11.62	17.69	12.56	18.36	12.26
	12			11.48	9.96	13.72	11.27	14.84	11.49	15.77	11.61	17.62	12.53	18.28	12.23
	14			11.48	9.96	13.72	11.27	14.84	11.49	15.75	11.60	17.56	12.51	18.20	12.20
	16			11.48	9.96	13.72	11.27	14.84	11.49	15.72	11.59	17.49	12.49	18.13	12.18
	18			11.48	9.96	13.72	11.27	14.84	11.49	15.70	11.58	17.43	12.46	18.05	12.15
	20			11.48	9.96	13.72	11.27	14.84	11.49	15.68	11.57	17.37	12.44	17.97	12.13
	22			11.46	9.96	13.71	11.26	14.84	11.49	15.61	11.55	17.15	12.36	17.72	12.04
	24			11.44	9.95	13.71	11.26	14.84	11.49	15.54	11.52	16.93	12.28	17.48	11.96
	26			11.43	9.94	13.64	11.23	14.70	11.43	15.35	11.45	16.66	12.18	17.21	11.87
	28	10.36	9.84	11.42	9.94	13.58	11.21	14.56	11.38	15.17	11.38	16.39	12.09	16.94	11.79
	30	10.36	9.84	11.40	9.93	13.48	11.17	14.42	11.32	14.99	11.31	16.14	12.00	16.69	11.70
	32	10.36	9.84	11.37	9.92	13.37	11.12	14.28	11.26	14.82	11.24	15.89	11.91	16.43	11.62
	34	10.36	9.84	11.33	9.90	13.32	11.10	14.09	11.19	14.58	11.15	15.56	11.79	16.09	11.51
	35	10.36	9.84	11.31	9.89	13.30	11.09	14.00	11.15	14.46	11.10	15.39	11.73	15.92	11.45
	36	10.36	9.84	11.30	9.89	13.20	11.05	13.93	11.12	14.32	11.05	15.11	11.64	15.61	11.35
	38	10.36	9.84	11.27	9.87	13.00	10.97	13.79	11.07	14.05	10.95	14.56	11.44	15.00	11.16
	39	10.36	9.84	11.26	9.87	12.90	10.93	13.72	11.04	13.91	10.90	14.28	11.35	14.69	11.06
	41	10.36	9.84	11.22	9.85	12.51	10.78	13.16	10.82	13.32	10.68	13.65	11.13	14.00	10.84
	43	10.36	9.84	11.18	9.84	12.13	10.62	12.60	10.61	12.74	10.46	13.02	10.92	13.31	10.56

Heat Mode

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
P-Hi 39 (m³/min)	-19.8	-20	9.28	9.28	9.28	9.28	9.28
	-17.8	-18	9.88	9.88	9.88	9.88	9.88
	-15.7	-16	10.47	10.47	10.47	10.47	10.47
	-13.7	-14	11.07	11.07	11.07	11.07	11.07
	-11.7	-12	11.67	11.67	11.67	11.67	11.67
	-9.6	-10	12.27	12.27	12.27	12.27	12.27
	-7.5	-8	13.01	13.01	13.01	13.01	13.01
	-5.5	-6	13.76	13.76	13.76	13.76	13.76
	-3.4	-4	14.24	14.22	14.20	14.06	13.92
	-1.3	-2	14.72	14.68	14.64	14.36	14.08
	0.8	0	15.52	15.30	15.08	14.54	14.00
	3.9	3	16.84	16.24	15.64	14.76	13.88
	7.0	6	18.40	17.20	16.00	14.88	13.76
	10.1	9	18.28	17.11	15.94	14.79	13.64
	13.2	12	18.16	17.00	15.84	14.68	13.52
	16.9	15.5	18.02	16.86	15.70	14.54	13.38

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃CWB TC	31℃CDB 22℃CWB SHC	33℃CDB 24℃CWB TC	33℃CDB 24℃CWB SHC
Hi 32 (m³/min)	10			11.29	9.01	13.49	10.19	14.60	10.42	15.53	10.56	17.40	11.41	18.06	11.11
	12			11.29	9.01	13.49	10.19	14.60	10.42	15.51	10.56	17.33	11.38	17.98	11.08
	14			11.29	9.01	13.49	10.19	14.60	10.42	15.49	10.55	17.27	11.36	17.91	11.06
	16			11.29	9.01	13.49	10.19	14.60	10.42	15.47	10.54	17.21	11.34	17.83	11.03
	18			11.29	9.01	13.49	10.19	14.60	10.42	15.45	10.53	17.14	11.31	17.75	11.00
	20			11.29	9.01	13.49	10.19	14.60	10.42	15.42	10.52	17.08	11.29	17.67	10.97
	22			11.27	9.00	13.49	10.19	14.60	10.42	15.35	10.49	16.86	11.20	17.43	10.89
	24			11.26	9.00	13.48	10.18	14.60	10.42	15.28	10.46	16.65	11.12	17.19	10.80
	26			11.25	8.99	13.42	10.16	14.46	10.37	15.10	10.39	16.39	11.02	16.93	10.71
	28	10.19	8.86	11.24	8.99	13.36	10.13	14.32	10.31	14.92	10.31	16.12	10.92	16.66	10.62
	30	10.19	8.86	11.21	8.98	13.25	10.08	14.18	10.25	14.75	10.24	15.88	10.81	16.41	10.51
	32	10.19	8.86	11.18	8.96	13.15	10.04	14.05	10.19	14.57	10.17	15.63	10.72	16.16	10.43
	34	10.19	8.86	11.14	8.95	13.10	10.02	13.86	10.11	14.34	10.08	15.30	10.59	15.83	10.32
	35	10.19	8.86	11.13	8.94	13.08	10.01	13.77	10.08	14.23	10.04	15.14	10.54	15.66	10.26
	36	10.19	8.86	11.11	8.93	12.98	9.97	13.70	10.05	14.09	9.98	14.86	10.43	15.36	10.16
	38	10.19	8.86	11.08	8.92	12.79	9.88	13.56	9.99	13.82	9.87	14.32	10.23	14.75	9.95
	39	10.19	8.86	11.07	8.91	12.69	9.84	13.49	9.96	13.68	9.82	14.05	10.14	14.45	9.85
	41	10.19	8.86	11.03	8.90	12.31	9.68	12.94	9.73	13.10	9.59	13.43	9.91	13.77	9.63
	43	10.19	8.86	10.99	8.88	11.93	9.52	12.39	9.51	12.53	9.37	12.80	9.69	13.09	9.41

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Hi 32 (m³/min)	-19.8	-20	9.09	9.09	9.09	9.09	9.09
	-17.8	-18	9.68	9.68	9.68	9.68	9.68
	-15.7	-16	10.27	10.27	10.27	10.27	10.27
	-13.7	-14	10.85	10.85	10.85	10.85	10.85
	-11.7	-12	11.44	11.44	11.44	11.44	11.44
	-9.6	-10	12.02	12.02	12.02	12.02	12.02
	-7.5	-8	12.75	12.75	12.75	12.75	12.75
	-5.5	-6	13.48	13.48	13.48	13.48	13.48
	-3.4	-4	13.96	13.94	13.92	13.78	13.64
	-1.3	-2	14.43	14.39	14.35	14.07	13.80
	0.8	0	15.21	14.99	14.78	14.25	13.72
	3.9	3	16.50	15.92	15.33	14.46	13.60
	7.0	6	18.03	16.86	15.68	14.58	13.48
	10.1	9	17.91	16.77	15.62	14.49	13.37
	13.2	12	17.80	16.66	15.52	14.39	13.25
	16.9	15.5	17.66	16.52	15.39	14.25	13.11

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃CWB TC	31℃CDB 22℃CWB SHC	33℃CDB 24℃CWB TC	33℃CDB 24℃CWB SHC
Me 26 (m³/min)	10			10.75	8.05	12.86	9.13	13.91	9.38	14.80	9.53	16.57	10.27	17.21	9.98
	12			10.75	8.05	12.86	9.13	13.91	9.38	14.78	9.52	16.51	10.24	17.13	9.95
	14			10.75	8.05	12.86	9.13	13.91	9.38	14.76	9.51	16.45	10.22	17.06	9.92
	16			10.75	8.05	12.86	9.13	13.91	9.38	14.74	9.50	16.39	10.19	16.99	9.89
	18			10.75	8.05	12.86	9.13	13.91	9.38	14.72	9.49	16.33	10.17	16.91	9.86
	20			10.75	8.05	12.86	9.13	13.91	9.38	14.70	9.48	16.27	10.13	16.84	9.82
	22			10.74	8.04	12.85	9.13	13.91	9.38	14.63	9.45	16.07	10.05	16.61	9.74
	24			10.72	8.03	12.85	9.13	13.91	9.38	14.56	9.42	15.86	9.96	16.38	9.65
	26			10.72	8.03	12.79	9.10	13.78	9.32	14.39	9.35	15.61	9.86	16.13	9.56
	28	9.71	7.91	10.71	8.03	12.73	9.07	13.64	9.26	14.22	9.27	15.36	9.76	15.88	9.47
	30	9.71	7.91	10.68	8.01	12.63	9.03	13.51	9.20	14.05	9.20	15.13	9.67	15.64	9.38
	32	9.71	7.91	10.65	8.00	12.53	8.97	13.38	9.14	13.89	9.13	14.89	9.57	15.40	9.29
	34	9.71	7.91	10.62	7.98	12.49	8.95	13.21	9.06	13.66	9.03	14.58	9.45	15.08	9.17
	35	9.71	7.91	10.60	7.98	12.46	8.94	13.12	9.02	13.55	8.99	14.42	9.38	14.92	9.11
	36	9.71	7.91	10.59	7.97	12.37	8.90	13.05	8.99	13.42	8.93	14.16	9.28	14.63	9.01
	38	9.71	7.91	10.56	7.96	12.18	8.81	12.92	8.94	13.16	8.82	13.64	9.08	14.05	8.81
	39	9.71	7.91	10.55	7.95	12.09	8.77	12.86	8.91	13.03	8.77	13.39	8.98	13.76	8.70
	41	9.71	7.91	10.51	7.93	11.73	8.61	12.33	8.67	12.49	8.53	12.79	8.74	13.12	8.47
	43	9.71	7.91	10.47	7.91	11.36	8.45	11.81	8.45	11.94	8.31	12.20	8.52	12.47	8.25

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Me 26 (m³/min)	-19.8	-20	8.61	8.61	8.61	8.61	8.61
	-17.8	-18	9.17	9.17	9.17	9.17	9.17
	-15.7	-16	9.72	9.72	9.72	9.72	9.72
	-13.7	-14	10.28	10.28	10.28	10.28	10.28
	-11.7	-12	10.83	10.83	10.83	10.83	10.83
	-9.6	-10	11.39	11.39	11.39	11.39	11.39
	-7.5	-8	12.08	12.08	12.08	12.08	12.08
	-5.5	-6	12.77	12.77	12.77	12.77	12.77
	-3.4	-4	13.22	13.20	13.18	13.05	12.92
	-1.3	-2	13.66	13.62	13.59	13.33	13.07
	0.8	0	14.40	14.20	14.00	13.49	12.99
	3.9	3	15.63	15.07	14.52	13.70	12.88
	7.0	6	17.08	15.96	14.85	13.81	12.77
	10.1	9	16.97	15.88	14.79	13.73	12.66
	13.2	12	16.85	15.78	14.70	13.62	12.55
	16.9	15.5	16.72	15.65	14.57	13.49	12.42

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃CWB TC	21℃CDB 14℃CWB SHC	23℃CDB 16℃CWB TC	23℃CDB 16℃CWB SHC	26℃CDB 18℃CWB TC	26℃CDB 18℃CWB SHC	27℃CDB 19℃CWB TC	27℃CDB 19℃CWB SHC	28℃CDB 20℃CWB TC	28℃CDB 20℃CWB SHC	31℃CDB 22℃CWB TC	31℃CDB 22℃CWB SHC	33℃CDB 24℃CWB TC	33℃CDB 24℃CWB SHC
Lo 20 (m³/min)	10			9.62	6.84	11.49	7.78	12.43	8.03	13.23	8.18	14.82	8.81	15.39	8.54
	12			9.62	6.84	11.49	7.78	12.43	8.03	13.21	8.17	14.76	8.79	15.32	8.52
	14			9.62	6.84	11.49	7.78	12.43	8.03	13.19	8.16	14.71	8.76	15.25	8.49
	16			9.62	6.84	11.49	7.78	12.43	8.03	13.17	8.15	14.66	8.74	15.19	8.46
	18			9.62	6.84	11.49	7.78	12.43	8.03	13.16	8.15	14.60	8.71	15.12	8.43
	20			9.62	6.84	11.49	7.78	12.43	8.03	13.14	8.14	14.55	8.69	15.05	8.40
	22			9.60	6.83	11.49	7.78	12.43	8.03	13.08	8.11	14.37	8.61	14.85	8.31
	24			9.59	6.83	11.49	7.78	12.43	8.03	13.02	8.08	14.18	8.52	14.64	8.23
	26			9.58	6.82	11.43	7.75	12.32	7.97	12.86	8.01	13.96	8.42	14.42	8.14
	28	8.68	6.70	9.57	6.82	11.38	7.73	12.20	7.92	12.71	7.94	13.73	8.32	14.19	8.05
	30	8.68	6.70	9.55	6.81	11.29	7.68	12.08	7.86	12.56	7.87	13.53	8.23	13.98	7.96
	32	8.68	6.70	9.52	6.79	11.20	7.64	11.96	7.79	12.42	7.80	13.32	8.14	13.77	7.88
	34	8.68	6.70	9.49	6.78	11.16	7.62	11.81	7.72	12.22	7.71	13.03	8.02	13.48	7.77
	35	8.68	6.70	9.48	6.77	11.14	7.61	11.73	7.69	12.12	7.66	12.89	7.96	13.34	7.72
	36	8.68	6.70	9.47	6.77	11.06	7.57	11.67	7.66	12.00	7.60	12.66	7.86	13.08	7.62
	38	8.68	6.70	9.44	6.75	10.89	7.49	11.55	7.60	11.77	7.50	12.20	7.66	12.56	7.41
	39	8.68	6.70	9.43	6.75	10.81	7.45	11.50	7.58	11.65	7.45	11.97	7.57	12.31	7.32
	41	8.68	6.70	9.40	6.73	10.48	7.30	11.03	7.36	11.16	7.23	11.44	7.36	11.73	7.10
	43	8.68	6.70	9.36	6.71	10.16	7.15	10.56	7.15	10.67	7.02	10.90	7.14	11.15	6.89

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Lo 20 (m³/min)	-19.8	-20	7.68	7.68	7.68	7.68	7.68
	-17.8	-18	8.17	8.17	8.17	8.17	8.17
	-15.7	-16	8.67	8.67	8.67	8.67	8.67
	-13.7	-14	9.16	9.16	9.16	9.16	9.16
	-11.7	-12	9.66	9.66	9.66	9.66	9.66
	-9.6	-10	10.15	10.15	10.15	10.15	10.15
	-7.5	-8	10.77	10.77	10.77	10.77	10.77
	-5.5	-6	11.39	11.39	11.39	11.39	11.39
	-3.4	-4	11.78	11.77	11.75	11.63	11.52
	-1.3	-2	12.18	12.15	12.11	11.88	11.65
	0.8	0	12.84	12.66	12.48	12.03	11.59
	3.9	3	13.94	13.44	12.94	12.21	11.49
	7.0	6	15.23	14.23	13.24	12.31	11.39
	10.1	9	15.13	14.16	13.19	12.24	11.29
	13.2	12	15.03	14.07	13.11	12.15	11.19
	16.9	15.5	14.91	13.95	12.99	12.03	11.07

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJG000Z022

Model **FDUM160KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃WB TC	21℃CDB 14℃WB SHC	23℃CDB 16℃WB TC	23℃CDB 16℃WB SHC	26℃CDB 18℃WB TC	26℃CDB 18℃WB SHC	27℃CDB 19℃WB TC	27℃CDB 19℃WB SHC	28℃CDB 20℃WB TC	28℃CDB 20℃WB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
P-Hi 48 (m³/min)	10			13.12	11.09	15.68	12.51	16.96	12.79	18.04	12.94	20.21	13.99	20.99	13.66
	12			13.12	11.09	15.68	12.51	16.96	12.79	18.02	12.93	20.14	13.96	20.90	13.61
	14			13.12	11.09	15.68	12.51	16.96	12.79	18.00	12.93	20.07	13.94	20.81	13.58
	16			13.12	11.09	15.68	12.51	16.96	12.79	17.97	12.92	19.99	13.91	20.72	13.56
	18			13.12	11.09	15.68	12.51	16.96	12.79	17.95	12.91	19.92	13.89	20.62	13.53
	20			13.12	11.09	15.68	12.51	16.96	12.79	17.92	12.90	19.85	13.84	20.53	13.50
	22			13.10	11.08	15.67	12.51	16.96	12.79	17.84	12.87	19.60	13.76	20.25	13.39
	24			13.08	11.08	15.67	12.51	16.96	12.79	17.75	12.84	19.34	13.67	19.97	13.30
	26			13.07	11.07	15.59	12.48	16.80	12.73	17.55	12.74	19.04	13.55	19.67	13.19
	28	11.84	10.95	13.06	11.07	15.52	12.45	16.64	12.65	17.34	12.67	18.73	13.45	19.36	13.09
	30	11.84	10.95	13.02	11.05	15.40	12.41	16.48	12.59	17.14	12.59	18.45	13.33	19.07	12.98
	32	11.84	10.95	12.99	11.04	15.28	12.36	16.32	12.53	16.93	12.50	18.16	13.24	18.78	12.90
	34	11.84	10.95	12.95	11.00	15.23	12.34	16.11	12.45	16.66	12.40	17.78	13.09	18.39	12.76
	35	11.84	10.95	12.93	10.99	15.20	12.33	16.00	12.39	16.53	12.36	17.59	13.03	18.20	12.70
	36	11.84	10.95	12.91	10.98	15.09	12.29	15.92	12.36	16.37	12.27	17.27	12.90	17.85	12.60
	38	11.84	10.95	12.88	10.97	14.86	12.18	15.76	12.30	16.05	12.16	16.64	12.62	17.14	12.30
	39	11.84	10.95	12.86	10.96	14.74	12.13	15.68	12.27	15.89	12.11	16.32	12.52	16.79	12.20
	41	11.84	10.95	12.82	10.95	14.30	11.94	15.04	12.01	15.23	11.85	15.60	12.29	16.00	11.98
	43	11.84	10.95	12.77	10.93	13.86	11.78	14.40	11.76	14.56	11.60	14.87	12.06	15.21	11.75

Heat Mode

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
P-Hi 48 (m³/min)	-19.8	-20	10.44	10.44	10.44	10.44	10.44
	-17.8	-18	11.11	11.11	11.11	11.11	11.11
	-15.7	-16	11.78	11.78	11.78	11.78	11.78
	-13.7	-14	12.46	12.46	12.46	12.46	12.46
	-11.7	-12	13.13	13.13	13.13	13.13	13.13
	-9.6	-10	13.80	13.80	13.80	13.80	13.80
	-7.5	-8	14.64	14.64	14.64	14.64	14.64
	-5.5	-6	15.48	15.48	15.48	15.48	15.48
	-3.4	-4	16.02	16.00	15.98	15.82	15.66
	-1.3	-2	16.56	16.52	16.47	16.16	15.84
	0.8	0	17.46	17.21	16.97	16.36	15.75
	3.9	3	18.95	18.27	17.60	16.61	15.62
	7.0	6	20.70	19.35	18.00	16.74	15.48
	10.1	9	20.57	19.25	17.93	16.64	15.35
	13.2	12	20.43	19.13	17.82	16.52	15.21
	16.9	15.5	20.27	18.97	17.66	16.36	15.05

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃WB TC	21℃CDB 14℃WB SHC	23℃CDB 16℃WB TC	23℃CDB 16℃WB SHC	26℃CDB 18℃WB TC	26℃CDB 18℃WB SHC	27℃CDB 19℃WB TC	27℃CDB 19℃WB SHC	28℃CDB 20℃WB TC	28℃CDB 20℃WB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Hi 35 (m³/min)	10			12.90	9.64	15.42	10.94	16.68	11.24	17.75	11.43	19.88	12.29	20.65	11.97
	12			12.90	9.64	15.42	10.94	16.68	11.24	17.73	11.42	19.81	12.27	20.56	11.94
	14			12.90	9.64	15.42	10.94	16.68	11.24	17.70	11.41	19.74	12.24	20.47	11.89
	16			12.90	9.64	15.42	10.94	16.68	11.24	17.68	11.40	19.67	12.22	20.38	11.86
	18			12.90	9.64	15.42	10.94	16.68	11.24	17.65	11.37	19.60	12.19	20.29	11.83
	20			12.90	9.64	15.42	10.94	16.68	11.24	17.63	11.36	19.52	12.16	20.20	11.78
	22			12.88	9.63	15.42	10.94	16.68	11.24	17.55	11.33	19.28	12.06	19.92	11.68
	24			12.87	9.63	15.41	10.94	16.68	11.24	17.47	11.30	19.03	11.95	19.65	11.59
	26			12.85	9.62	15.34	10.89	16.53	11.17	17.26	11.20	18.73	11.83	19.35	11.47
	28	11.65	9.47	12.84	9.62	15.27	10.86	16.37	11.10	17.06	11.11	18.43	11.70	19.05	11.36
	30	11.65	9.47	12.81	9.60	15.15	10.82	16.21	11.02	16.86	11.03	18.15	11.59	18.76	11.25
	32	11.65	9.47	12.78	9.59	15.03	10.75	16.05	10.96	16.66	10.94	17.87	11.47	18.48	11.14
	34	11.65	9.47	12.74	9.57	14.98	10.73	15.84	10.86	16.39	10.82	17.49	11.32	18.09	10.96
	35	11.65	9.47	12.72	9.56	14.95	10.72	15.74	10.82	16.26	10.77	17.30	11.24	17.90	10.90
	36	11.65	9.47	12.70	9.55	14.84	10.64	15.66	10.77	16.10	10.69	16.99	11.09	17.56	10.79
	38	11.65	9.47	12.67	9.54	14.61	10.55	15.50	10.71	15.79	10.58	16.37	10.88	16.86	10.56
	39	11.65	9.47	12.65	9.53	14.50	10.50	15.43	10.68	15.64	10.47	16.06	10.76	16.51	10.43
	41	11.65	9.47	12.61	9.50	14.07	10.33	14.80	10.39	14.98	10.22	15.35	10.48	15.74	10.15
	43	11.65	9.47	12.57	9.48	13.63	10.14	14.17	10.12	14.32	9.96	14.63	10.20	14.96	9.88

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Hi 35 (m³/min)	-19.8	-20	10.23	10.23	10.23	10.23	10.23
	-17.8	-18	10.89	10.89	10.89	10.89	10.89
	-15.7	-16	11.55	11.55	11.55	11.55	11.55
	-13.7	-14	12.21	12.21	12.21	12.21	12.21
	-11.7	-12	12.87	12.87	12.87	12.87	12.87
	-9.6	-10	13.52	13.52	13.52	13.52	13.52
	-7.5	-8	14.35	14.35	14.35	14.35	14.35
	-5.5	-6	15.17	15.17	15.17	15.17	15.17
	-3.4	-4	15.70	15.68	15.66	15.50	15.35
	-1.3	-2	16.23	16.18	16.14	15.83	15.52
	0.8	0	17.11	16.87	16.63	16.03	15.44
	3.9	3	18.57	17.90	17.24	16.27	15.30
	7.0	6	20.29	18.96	17.64	16.41	15.17
	10.1	9	20.15	18.86	17.57	16.31	15.04
	13.2	12	20.02	18.74	17.46	16.18	14.91
	16.9	15.5	19.87	18.59	17.31	16.03	14.75

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃WB TC	21℃CDB 14℃WB SHC	23℃CDB 16℃WB TC	23℃CDB 16℃WB SHC	26℃CDB 18℃WB TC	26℃CDB 18℃WB SHC	27℃CDB 19℃WB TC	27℃CDB 19℃WB SHC	28℃CDB 20℃WB TC	28℃CDB 20℃WB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Me 28 (m³/min)	10			12.07	8.60	14.42	9.77	15.60	10.08	16.60	10.27	18.60	11.07	19.31	10.74
	12			12.07	8.60	14.42	9.77	15.60	10.08	16.58	10.27	18.53	11.04	19.22	10.70
	14			12.07	8.60	14.42	9.77	15.60	10.08	16.56	10.26	18.46	11.02	19.14	10.67
	16			12.07	8.60	14.42	9.77	15.60	10.08	16.53	10.25	18.39	10.98	19.06	10.64
	18			12.07	8.60	14.42	9.77	15.60	10.08	16.51	10.24	18.33	10.95	18.97	10.59
	20			12.07	8.60	14.42	9.77	15.60	10.08	16.49	10.23	18.26	10.93	18.89	10.56
	22			12.05	8.57	14.42	9.77	15.60	10.08	16.41	10.18	18.03	10.81	18.63	10.45
	24			12.03	8.56	14.41	9.77	15.60	10.08	16.33	10.15	17.80	10.71	18.38	10.35
	26			12.02	8.55	14.35	9.74	15.46	10.00	16.14	10.06	17.52	10.59	18.09	10.23
	28	10.89	8.41	12.01	8.55	14.28	9.70	15.31	9.93	15.95	9.97	17.24	10.46	17.81	10.10
	30	10.89	8.41	11.98	8.54	14.17	9.65	15.16	9.87	15.77	9.87	16.97	10.32	17.54	10.00
	32	10.89	8.41	11.95	8.52	14.06	9.59	15.01	9.79	15.58	9.79	16.71	10.22	17.28	9.90
	34	10.89	8.41	11.91	8.50	14.01	9.57	14.82	9.70	15.33	9.68	16.36	10.08	16.92	9.77
	35	10.89	8.41	11.89	8.50	13.98	9.56	14.72	9.66	15.21	9.63	16.18	10.00	16.74	9.69
	36	10.89	8.41	11.88	8.49	13.88	9.52	14.65	9.63	15.06	9.56	15.89	9.87	16.42	9.57
	38	10.89	8.41	11.85	8.48	13.67	9.41	14.50	9.56	14.77	9.43	15.31	9.64	15.77	9.31
	39	10.89	8.41	11.83	8.47	13.56	9.35	14.43	9.53	14.62	9.36	15.02	9.52	15.44	9.16
	41	10.89	8.41	11.79	8.45	13.16	9.17	13.84	9.25	14.01	9.09	14.35	9.22	14.72	8.93
	43	10.89	8.41	11.75	8.43	12.75	8.96	13.25	8.95	13.39	8.80	13.68	8.97	13.99	8.67

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Me 28 (m³/min)	-19.8	-20	9.60	9.60	9.60	9.60	9.60
	-17.8	-18	10.22	10.22	10.22	10.22	10.22
	-15.7	-16	10.84	10.84	10.84	10.84	10.84
	-13.7	-14	11.46	11.46	11.46	11.46	11.46
	-11.7	-12	12.08	12.08	12.08	12.08	12.08
	-9.6	-10	12.70	12.70	12.70	12.70	12.70
	-7.5	-8	13.47	13.47	13.47	13.47	13.47
	-5.5	-6	14.24	14.24	14.24	14.24	14.24
	-3.4	-4	14.74	14.72	14.70	14.55	14.41
	-1.3	-2	15.24	15.19	15.15	14.86	14.57
	0.8	0	16.06	15.84	15.61	15.05	14.49
	3.9	3	17.43	16.81	16.19	15.28	14.37
	7.0	6	19.04	17.80	16.56	15.40	14.24
	10.1	9	18.92	17.71	16.50	15.31	14.12
	13.2	12	18.80	17.60	16.39	15.19	13.99
	16.9	15.5	18.65	17.45	16.25	15.05	13.85

Air flow	Outdoor air temp.	Indoor air temperature 21℃CDB 14℃WB TC	21℃CDB 14℃WB SHC	23℃CDB 16℃WB TC	23℃CDB 16℃WB SHC	26℃CDB 18℃WB TC	26℃CDB 18℃WB SHC	27℃CDB 19℃WB TC	27℃CDB 19℃WB SHC	28℃CDB 20℃WB TC	28℃CDB 20℃WB SHC	31℃CDB 22℃WB TC	31℃CDB 22℃WB SHC	33℃CDB 24℃WB TC	33℃CDB 24℃WB SHC
Lo 22 (m³/min)	10			10.99	7.53	13.14	8.60	14.21	8.91	15.12	9.11	16.94	9.83	17.59	9.51
	12			10.99	7.53	13.14	8.60	14.21	8.91	15.10	9.10	16.88	9.80	17.51	9.47
	14			10.99	7.53	13.14	8.60	14.21	8.91	15.08	9.09	16.82	9.77	17.44	9.45
	16			10.99	7.53	13.14	8.60	14.21	8.91	15.06	9.08	16.76	9.74	17.36	9.41
	18			10.99	7.53	13.14	8.60	14.21	8.91	15.04	9.07	16.70	9.71	17.29	9.37
	20			10.99	7.53	13.14	8.60	14.21	8.91	15.02	9.06	16.63	9.68	17.21	9.34
	22			10.98	7.52	13.14	8.60	14.21	8.91	14.95	9.03	16.42	9.57	16.98	9.23
	24			10.96	7.51	13.13	8.60	14.21	8.91	14.88	8.99	16.21	9.47	16.74	9.11
	26			10.95	7.51	13.07	8.57	14.08	8.84	14.71	8.91	15.96	9.33	16.48	9.01
	28	9.92	7.35	10.94	7.50	13.01	8.54	13.95	8.78	14.53	8.82	15.70	9.22	16.23	8.90
	30	9.92	7.35	10.92	7.49	12.91	8.49	13.81	8.70	14.36	8.73	15.46	9.11	15.98	8.79
	32	9.92	7.35	10.89	7.48	12.81	8.43	13.68	8.64	14.19	8.64	15.22	8.99	15.74	8.69
	34	9.92	7.35	10.85	7.46	12.76	8.41	13.50	8.54	13.97	8.53	14.90	8.84	15.42	8.53
	35	9.92	7.35	10.84	7.46	12.74	8.40	13.41	8.50	13.85	8.46	14.74	8.76	15.25	8.47
	36	9.92	7.35	10.82	7.45	12.64	8.35	13.34	8.47	13.72	8.40	14.48	8.64	14.96	8.36
	38	9.92	7.35	10.80	7.43	12.45	8.25	13.21	8.40	13.45	8.28	13.95	8.41	14.36	8.10
	39	9.92	7.35	10.78	7.42	12.36	8.20	13.14	8.37	13.32	8.21	13.68	8.28	14.07	7.98
	41	9.92	7.35	10.74	7.40	11.98	8.01	12.61	8.10	12.76	7.94	13.07	8.00	13.41	7.73
	43	9.92	7.35	10.71	7.39	11.61	7.82	12.07	7.84	12.20	7.67	12.47	7.76	12.75	7.46

Air flow (m³/min)	outdoor temp DB	outdoor temp WB	indoor temp 16℃CDB	18℃CDB	20℃CDB	22℃CDB	24℃CDB
Lo 22 (m³/min)	-19.8	-20	8.39	8.39	8.39	8.39	8.39
	-17.8	-18	8.93	8.93	8.93	8.93	8.93
	-15.7	-16	9.47	9.47	9.47	9.47	9.47
	-13.7	-14	10.01	10.01	10.01	10.01	10.01
	-11.7	-12	10.55	10.55	10.55	10.55	10.55
	-9.6	-10	11.09	11.09	11.09	11.09	11.09
	-7.5	-8	11.77	11.77	11.77	11.77	11.77
	-5.5	-6	12.44	12.44	12.44	12.44	12.44
	-3.4	-4	12.88	12.86	12.84	12.72	12.59
	-1.3	-2	13.31	13.28	13.24	12.99	12.73
	0.8	0	14.04	13.84	13.64	13.15	12.66
	3.9	3	15.23	14.69	14.14	13.35	12.55
	7.0	6	16.64	15.56	14.47	13.46	12.44
	10.1	9	16.53	15.47	14.42	13.38	12.34
	13.2	12	16.42	15.37	14.33	13.28	12.23
	16.9	15.5	16.30	15.25	14.20	13.15	12.10

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJG000Z022

(h) Duct connected (thin)-Low static pressure type (FDUT)

Model **FDUT22KXE6D** Cool Mode

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 7.5 (m³/min)	10			1.80	1.54	2.16	1.74	2.33	1.78	2.48	1.80	2.78	1.94	2.89	1.90
	12			1.80	1.54	2.16	1.74	2.33	1.78	2.48	1.80	2.77	1.94	2.87	1.89
	14			1.80	1.54	2.16	1.74	2.33	1.78	2.47	1.79	2.76	1.94	2.86	1.89
	16			1.80	1.54	2.16	1.74	2.33	1.78	2.47	1.79	2.75	1.93	2.85	1.89
	18			1.80	1.54	2.16	1.74	2.33	1.78	2.47	1.79	2.74	1.93	2.84	1.88
	20			1.80	1.54	2.16	1.74	2.33	1.78	2.46	1.79	2.73	1.93	2.82	1.87
	22			1.80	1.54	2.15	1.74	2.33	1.78	2.45	1.79	2.69	1.91	2.78	1.85
	24			1.80	1.54	2.15	1.74	2.33	1.78	2.44	1.78	2.66	1.90	2.75	1.84
	26			1.80	1.54	2.14	1.73	2.31	1.77	2.41	1.77	2.62	1.87	2.70	1.83
	28	1.63	1.52	1.80	1.54	2.13	1.73	2.29	1.75	2.38	1.76	2.58	1.86	2.66	1.82
	30	1.63	1.52	1.79	1.53	2.12	1.72	2.27	1.74	2.36	1.74	2.54	1.85	2.62	1.81
	32	1.63	1.52	1.79	1.53	2.10	1.72	2.24	1.73	2.33	1.73	2.50	1.84	2.58	1.80
	34	1.63	1.52	1.78	1.53	2.09	1.71	2.21	1.72	2.29	1.72	2.44	1.82	2.53	1.78
	35	1.63	1.52	1.78	1.53	2.09	1.71	2.20	1.72	2.27	1.71	2.42	1.81	2.50	1.76
	36	1.63	1.52	1.78	1.53	2.07	1.70	2.19	1.72	2.25	1.70	2.37	1.80	2.45	1.75
	38	1.63	1.52	1.77	1.53	2.04	1.69	2.17	1.71	2.21	1.69	2.29	1.76	2.36	1.72
	39	1.63	1.52	1.77	1.53	2.03	1.69	2.16	1.71	2.19	1.69	2.24	1.75	2.31	1.70
	41	1.63	1.52	1.76	1.52	1.97	1.66	2.07	1.67	2.09	1.65	2.14	1.71	2.20	1.67
	43	1.63	1.52	1.76	1.52	1.91	1.64	1.98	1.63	2.00	1.61	2.05	1.68	2.09	1.63

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 7.5 (m³/min)	-19.8	-20	1.45	1.45	1.45	1.45	1.45
	-17.8	-18	1.54	1.54	1.54	1.54	1.54
	-15.7	-16	1.64	1.64	1.64	1.64	1.64
	-13.7	-14	1.73	1.73	1.73	1.73	1.73
	-11.7	-12	1.82	1.82	1.82	1.82	1.82
	-9.6	-10	1.92	1.92	1.92	1.92	1.92
	-7.5	-8	2.03	2.03	2.03	2.03	2.03
	-5.5	-6	2.15	2.15	2.15	2.15	2.15
	-3.4	-4	2.23	2.22	2.22	2.20	2.18
	-1.3	-2	2.30	2.29	2.29	2.24	2.20
	0.8	0	2.43	2.39	2.36	2.27	2.19
	3.9	3	2.63	2.54	2.44	2.31	2.17
	7.0	6	2.88	2.69	2.50	2.33	2.15
	10.1	9	2.86	2.67	2.49	2.31	2.13
	13.2	12	2.84	2.66	2.48	2.29	2.11
	16.9	15.5	2.82	2.63	2.45	2.27	2.09

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 6 (m³/min)	10			1.70	1.36	2.04	1.55	2.20	1.58	2.35	1.61	2.63	1.74	2.73	1.69
	12			1.70	1.36	2.04	1.55	2.20	1.58	2.34	1.61	2.62	1.73	2.72	1.69
	14			1.70	1.36	2.04	1.55	2.20	1.58	2.34	1.61	2.61	1.73	2.70	1.68
	16			1.70	1.36	2.04	1.55	2.20	1.58	2.34	1.61	2.60	1.73	2.69	1.68
	18			1.70	1.36	2.04	1.55	2.20	1.58	2.33	1.60	2.59	1.72	2.68	1.67
	20			1.70	1.36	2.04	1.55	2.20	1.58	2.33	1.60	2.58	1.72	2.67	1.67
	22			1.70	1.36	2.04	1.55	2.20	1.58	2.32	1.59	2.55	1.71	2.63	1.66
	24			1.70	1.36	2.04	1.55	2.20	1.58	2.31	1.59	2.51	1.69	2.60	1.64
	26			1.70	1.36	2.03	1.55	2.18	1.58	2.28	1.58	2.48	1.68	2.56	1.62
	28	1.54	1.35	1.70	1.36	2.02	1.54	2.16	1.57	2.25	1.57	2.44	1.66	2.52	1.61
	30	1.54	1.35	1.69	1.36	2.00	1.53	2.14	1.56	2.23	1.56	2.40	1.64	2.48	1.60
	32	1.54	1.35	1.69	1.36	1.99	1.53	2.12	1.55	2.20	1.55	2.36	1.63	2.44	1.59
	34	1.54	1.35	1.68	1.36	1.98	1.53	2.09	1.54	2.17	1.54	2.31	1.61	2.39	1.57
	35	1.54	1.35	1.68	1.36	1.98	1.53	2.08	1.53	2.15	1.53	2.29	1.61	2.37	1.57
	36	1.54	1.35	1.68	1.36	1.96	1.52	2.07	1.53	2.13	1.52	2.25	1.59	2.32	1.55
	38	1.54	1.35	1.67	1.35	1.93	1.50	2.05	1.52	2.09	1.50	2.16	1.56	2.23	1.52
	39	1.54	1.35	1.67	1.35	1.92	1.50	2.04	1.52	2.07	1.50	2.12	1.55	2.18	1.50
	41	1.54	1.35	1.67	1.35	1.86	1.47	1.96	1.48	1.98	1.46	2.03	1.51	2.08	1.47
	43	1.54	1.35	1.66	1.35	1.80	1.45	1.87	1.45	1.89	1.43	1.93	1.47	1.98	1.43

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 6 (m³/min)	-19.8	-20	1.36	1.36	1.36	1.36	1.36
	-17.8	-18	1.45	1.45	1.45	1.45	1.45
	-15.7	-16	1.54	1.54	1.54	1.54	1.54
	-13.7	-14	1.63	1.63	1.63	1.63	1.63
	-11.7	-12	1.71	1.71	1.71	1.71	1.71
	-9.6	-10	1.80	1.80	1.80	1.80	1.80
	-7.5	-8	1.91	1.91	1.91	1.91	1.91
	-5.5	-6	2.02	2.02	2.02	2.02	2.02
	-3.4	-4	2.09	2.09	2.09	2.07	2.04
	-1.3	-2	2.16	2.16	2.15	2.11	2.07
	0.8	0	2.28	2.25	2.21	2.14	2.06
	3.9	3	2.47	2.39	2.30	2.17	2.04
	7.0	6	2.70	2.53	2.35	2.19	2.02
	10.1	9	2.68	2.51	2.34	2.17	2.00
	13.2	12	2.67	2.50	2.33	2.16	1.99
	16.9	15.5	2.65	2.48	2.31	2.14	1.97

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 5 (m³/min)	10			1.61	1.23	1.92	1.40	2.08	1.43	2.21	1.45	2.48	1.57	2.57	1.52
	12			1.61	1.23	1.92	1.40	2.08	1.43	2.21	1.45	2.47	1.57	2.56	1.52
	14			1.61	1.23	1.92	1.40	2.08	1.43	2.20	1.45	2.46	1.56	2.55	1.52
	16			1.61	1.23	1.92	1.40	2.08	1.43	2.20	1.45	2.45	1.56	2.54	1.51
	18			1.61	1.23	1.92	1.40	2.08	1.43	2.20	1.45	2.44	1.55	2.53	1.51
	20			1.61	1.23	1.92	1.40	2.08	1.43	2.20	1.45	2.43	1.55	2.52	1.51
	22			1.60	1.23	1.92	1.40	2.08	1.43	2.19	1.45	2.40	1.54	2.48	1.49
	24			1.60	1.23	1.92	1.40	2.08	1.43	2.17	1.44	2.37	1.53	2.45	1.48
	26			1.60	1.23	1.91	1.39	2.06	1.42	2.15	1.43	2.33	1.51	2.41	1.47
	28	1.45	1.21	1.60	1.23	1.90	1.39	2.04	1.42	2.12	1.42	2.29	1.49	2.37	1.45
	30	1.45	1.21	1.60	1.23	1.89	1.38	2.02	1.40	2.10	1.41	2.26	1.48	2.34	1.44
	32	1.45	1.21	1.59	1.22	1.87	1.37	2.00	1.40	2.07	1.39	2.23	1.47	2.30	1.43
	34	1.45	1.21	1.59	1.22	1.87	1.37	1.97	1.38	2.04	1.38	2.18	1.45	2.25	1.41
	35	1.45	1.21	1.58	1.22	1.86	1.37	1.96	1.38	2.02	1.37	2.15	1.44	2.23	1.39
	36	1.45	1.21	1.58	1.22	1.85	1.37	1.95	1.38	2.01	1.37	2.12	1.43	2.19	1.38
	38	1.45	1.21	1.58	1.22	1.82	1.35	1.93	1.37	1.97	1.35	2.04	1.39	2.10	1.36
	39	1.45	1.21	1.58	1.22	1.81	1.35	1.92	1.36	1.95	1.35	2.00	1.38	2.06	1.34
	41	1.45	1.21	1.57	1.21	1.75	1.32	1.84	1.33	1.87	1.31	1.91	1.35	1.96	1.31
	43	1.45	1.21	1.56	1.21	1.70	1.30	1.76	1.30	1.78	1.28	1.82	1.32	1.86	1.27

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 5 (m³/min)	-19.8	-20	1.26	1.26	1.26	1.26	1.26
	-17.8	-18	1.35	1.35	1.35	1.35	1.35
	-15.7	-16	1.43	1.43	1.43	1.43	1.43
	-13.7	-14	1.51	1.51	1.51	1.51	1.51
	-11.7	-12	1.59	1.59	1.59	1.59	1.59
	-9.6	-10	1.67	1.67	1.67	1.67	1.67
	-7.5	-8	1.77	1.77	1.77	1.77	1.77
	-5.5	-6	1.87	1.87	1.87	1.87	1.87
	-3.4	-4	1.94	1.94	1.93	1.92	1.90
	-1.3	-2	2.01	2.00	1.99	1.96	1.92
	0.8	0	2.11	2.08	2.05	1.98	1.91
	3.9	3	2.29	2.21	2.13	2.01	1.89
	7.0	6	2.51	2.34	2.18	2.03	1.87
	10.1	9	2.49	2.33	2.17	2.02	1.86
	13.2	12	2.47	2.32	2.16	2.00	1.84
	16.9	15.5	2.46	2.30	2.14	1.98	1.82

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJM000Z013

Model **FDUT28KXE6D** Cool Mode

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Hi 7.5 (m³/min)	10			2.30	1.73	2.74	1.96	2.97	2.01	3.16	2.05	3.54	2.20	3.67	2.14
	12			2.30	1.73	2.74	1.96	2.97	2.01	3.15	2.04	3.52	2.20	3.66	2.14
	14			2.30	1.73	2.74	1.96	2.97	2.01	3.15	2.04	3.51	2.19	3.64	2.13
	16			2.30	1.73	2.74	1.96	2.97	2.01	3.14	2.04	3.50	2.19	3.63	2.13
	18			2.30	1.73	2.74	1.96	2.97	2.01	3.14	2.04	3.49	2.19	3.61	2.12
	20			2.30	1.73	2.74	1.96	2.97	2.01	3.14	2.04	3.47	2.18	3.59	2.10
	22			2.29	1.72	2.74	1.96	2.97	2.01	3.12	2.03	3.43	2.16	3.54	2.09
	24			2.29	1.72	2.74	1.96	2.97	2.01	3.11	2.02	3.39	2.13	3.50	2.08
	26			2.29	1.72	2.73	1.95	2.94	1.99	3.07	2.01	3.33	2.12	3.44	2.05
	28	2.07	1.69	2.28	1.72	2.72	1.95	2.91	1.98	3.03	1.98	3.28	2.10	3.39	2.04
	30	2.07	1.69	2.28	1.72	2.70	1.94	2.88	1.97	3.00	1.97	3.23	2.08	3.34	2.02
	32	2.07	1.69	2.27	1.72	2.67	1.92	2.86	1.96	2.96	1.96	3.18	2.06	3.29	2.00
	34	2.07	1.69	2.27	1.72	2.66	1.92	2.82	1.95	2.92	1.94	3.11	2.03	3.22	1.96
	35	2.07	1.69	2.26	1.71	2.66	1.92	2.80	1.94	2.89	1.93	3.08	2.02	3.18	1.95
	36	2.07	1.69	2.26	1.71	2.64	1.91	2.79	1.93	2.86	1.92	3.02	1.99	3.12	1.93
	38	2.07	1.69	2.25	1.71	2.60	1.89	2.76	1.92	2.81	1.90	2.91	1.95	3.00	1.89
	39	2.07	1.69	2.25	1.71	2.58	1.88	2.74	1.91	2.78	1.88	2.86	1.93	2.94	1.87
	41	2.07	1.69	2.24	1.70	2.50	1.85	2.63	1.86	2.66	1.82	2.73	1.88	2.80	1.81
	43	2.07	1.69	2.24	1.70	2.43	1.82	2.52	1.82	2.55	1.79	2.60	1.83	2.66	1.77

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Hi 7.5 (m³/min)	-19.8	-20	1.86	1.86	1.86	1.86	1.86
	-17.8	-18	1.98	1.98	1.98	1.98	1.98
	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
	-5.5	-6	2.75	2.75	2.75	2.75	2.75
	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Me 6 (m³/min)	10			2.21	1.58	2.64	1.80	2.85	1.85	3.03	1.89	3.40	2.03	3.53	1.98
	12			2.21	1.58	2.64	1.80	2.85	1.85	3.03	1.89	3.39	2.03	3.51	1.97
	14			2.21	1.58	2.64	1.80	2.85	1.85	3.03	1.89	3.37	2.02	3.50	1.96
	16			2.21	1.58	2.64	1.80	2.85	1.85	3.02	1.88	3.36	2.02	3.48	1.95
	18			2.21	1.58	2.64	1.80	2.85	1.85	3.02	1.88	3.35	2.01	3.47	1.95
	20			2.21	1.58	2.64	1.80	2.85	1.85	3.01	1.88	3.34	2.01	3.45	1.94
	22			2.20	1.58	2.63	1.79	2.85	1.85	3.00	1.87	3.29	1.98	3.41	1.93
	24			2.20	1.58	2.63	1.79	2.85	1.85	2.99	1.86	3.25	1.97	3.36	1.90
	26			2.20	1.58	2.62	1.79	2.82	1.84	2.95	1.85	3.20	1.94	3.31	1.88
	28	1.99	1.55	2.20	1.58	2.61	1.78	2.80	1.83	2.91	1.83	3.15	1.92	3.25	1.86
	30	1.99	1.55	2.19	1.57	2.59	1.77	2.77	1.81	2.88	1.82	3.10	1.90	3.21	1.84
	32	1.99	1.55	2.18	1.56	2.57	1.76	2.74	1.80	2.85	1.80	3.05	1.88	3.16	1.82
	34	1.99	1.55	2.18	1.56	2.56	1.76	2.71	1.78	2.80	1.78	2.99	1.85	3.09	1.80
	35	1.99	1.55	2.17	1.56	2.56	1.76	2.69	1.77	2.78	1.77	2.96	1.84	3.06	1.79
	36	1.99	1.55	2.17	1.56	2.54	1.75	2.68	1.77	2.75	1.75	2.90	1.82	3.00	1.76
	38	1.99	1.55	2.17	1.56	2.50	1.73	2.65	1.76	2.70	1.73	2.80	1.77	2.88	1.71
	39	1.99	1.55	2.16	1.56	2.48	1.72	2.64	1.75	2.67	1.72	2.74	1.75	2.82	1.69
	41	1.99	1.55	2.16	1.56	2.40	1.68	2.53	1.70	2.56	1.67	2.62	1.70	2.69	1.65
	43	1.99	1.55	2.15	1.55	2.33	1.65	2.42	1.65	2.45	1.62	2.50	1.65	2.56	1.60

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Me 6 (m³/min)	-19.8	-20	1.76	1.76	1.76	1.76	1.76
	-17.8	-18	1.88	1.88	1.88	1.88	1.88
	-15.7	-16	1.99	1.99	1.99	1.99	1.99
	-13.7	-14	2.10	2.10	2.10	2.10	2.10
	-11.7	-12	2.22	2.22	2.22	2.22	2.22
	-9.6	-10	2.33	2.33	2.33	2.33	2.33
	-7.5	-8	2.47	2.47	2.47	2.47	2.47
	-5.5	-6	2.61	2.61	2.61	2.61	2.61
	-3.4	-4	2.71	2.70	2.70	2.67	2.64
	-1.3	-2	2.80	2.79	2.78	2.73	2.68
	0.8	0	2.95	2.91	2.87	2.76	2.66
	3.9	3	3.20	3.09	2.97	2.80	2.64
	7.0	6	3.50	3.27	3.04	2.83	2.61
	10.1	9	3.47	3.25	3.03	2.81	2.59
	13.2	12	3.45	3.23	3.01	2.79	2.57
	16.9	15.5	3.42	3.20	2.98	2.76	2.54

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Lo 5 (m³/min)	10			2.11	1.46	2.52	1.67	2.72	1.72	2.90	1.76	3.25	1.90	3.37	1.84
	12			2.11	1.46	2.52	1.67	2.72	1.72	2.89	1.76	3.23	1.89	3.36	1.83
	14			2.11	1.46	2.52	1.67	2.72	1.72	2.89	1.76	3.22	1.88	3.34	1.82
	16			2.11	1.46	2.52	1.67	2.72	1.72	2.89	1.76	3.21	1.88	3.33	1.82
	18			2.11	1.46	2.52	1.67	2.72	1.72	2.88	1.75	3.20	1.87	3.31	1.81
	20			2.11	1.46	2.52	1.67	2.72	1.72	2.88	1.75	3.19	1.87	3.30	1.81
	22			2.10	1.46	2.52	1.67	2.72	1.72	2.87	1.75	3.15	1.85	3.25	1.78
	24			2.10	1.46	2.52	1.67	2.72	1.72	2.85	1.73	3.11	1.83	3.21	1.77
	26			2.10	1.46	2.50	1.66	2.70	1.71	2.82	1.72	3.06	1.81	3.16	1.74
	28	1.90	1.42	2.10	1.46	2.49	1.65	2.67	1.69	2.78	1.70	3.01	1.78	3.11	1.72
	30	1.90	1.42	2.09	1.45	2.47	1.64	2.65	1.68	2.75	1.68	2.96	1.76	3.06	1.70
	32	1.90	1.42	2.09	1.45	2.45	1.63	2.62	1.67	2.72	1.67	2.92	1.74	3.02	1.68
	34	1.90	1.42	2.08	1.45	2.45	1.63	2.59	1.66	2.68	1.65	2.86	1.71	2.95	1.66
	35	1.90	1.42	2.08	1.45	2.44	1.62	2.57	1.65	2.66	1.64	2.83	1.70	2.92	1.64
	36	1.90	1.42	2.07	1.44	2.42	1.61	2.56	1.64	2.63	1.63	2.77	1.67	2.87	1.62
	38	1.90	1.42	2.07	1.44	2.39	1.60	2.53	1.62	2.58	1.60	2.67	1.63	2.75	1.57
	39	1.90	1.42	2.07	1.44	2.37	1.59	2.52	1.62	2.55	1.59	2.62	1.61	2.70	1.55
	41	1.90	1.42	2.06	1.43	2.30	1.55	2.42	1.57	2.45	1.54	2.51	1.56	2.57	1.50
	43	1.90	1.42	2.05	1.43	2.23	1.52	2.31	1.52	2.34	1.49	2.39	1.51	2.44	1.45

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Lo 5 (m³/min)	-19.8	-20	1.67	1.67	1.67	1.67	1.67
	-17.8	-18	1.78	1.78	1.78	1.78	1.78
	-15.7	-16	1.89	1.89	1.89	1.89	1.89
	-13.7	-14	1.99	1.99	1.99	1.99	1.99
	-11.7	-12	2.10	2.10	2.10	2.10	2.10
	-9.6	-10	2.21	2.21	2.21	2.21	2.21
	-7.5	-8	2.34	2.34	2.34	2.34	2.34
	-5.5	-6	2.48	2.48	2.48	2.48	2.48
	-3.4	-4	2.56	2.56	2.56	2.53	2.51
	-1.3	-2	2.65	2.64	2.64	2.58	2.53
	0.8	0	2.79	2.75	2.71	2.62	2.52
	3.9	3	3.03	2.92	2.82	2.66	2.50
	7.0	6	3.31	3.10	2.88	2.68	2.48
	10.1	9	3.29	3.08	2.87	2.66	2.46
	13.2	12	3.27	3.06	2.85	2.64	2.43
	16.9	15.5	3.24	3.03	2.83	2.62	2.41

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJM000Z013

Model **FDUT36KXE6D** Cool Mode

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 8.5 (m³/min)	10			2.95	2.24	3.53	2.54	3.82	2.61	4.06	2.65	4.55	2.85	4.72	2.77
	12			2.95	2.24	3.53	2.54	3.82	2.61	4.05	2.64	4.53	2.84	4.70	2.77
	14			2.95	2.24	3.53	2.54	3.82	2.61	4.05	2.64	4.51	2.84	4.68	2.76
	16			2.95	2.24	3.53	2.54	3.82	2.61	4.04	2.64	4.50	2.83	4.66	2.75
	18			2.95	2.24	3.53	2.54	3.82	2.61	4.04	2.64	4.48	2.82	4.64	2.74
	20			2.95	2.24	3.53	2.54	3.82	2.61	4.03	2.63	4.47	2.82	4.62	2.74
	22			2.95	2.24	3.53	2.54	3.82	2.61	4.01	2.62	4.41	2.79	4.56	2.70
	24			2.94	2.23	3.52	2.54	3.82	2.61	3.99	2.62	4.35	2.76	4.49	2.68
	26			2.94	2.23	3.51	2.53	3.78	2.59	3.95	2.60	4.28	2.74	4.43	2.66
	28	2.66	2.20	2.94	2.23	3.49	2.52	3.74	2.56	3.90	2.58	4.22	2.72	4.36	2.64
	30	2.66	2.20	2.93	2.23	3.47	2.51	3.71	2.55	3.86	2.55	4.15	2.69	4.29	2.61
	32	2.66	2.20	2.92	2.23	3.44	2.50	3.67	2.54	3.81	2.53	4.09	2.66	4.23	2.59
	34	2.66	2.20	2.91	2.22	3.43	2.49	3.62	2.52	3.75	2.51	4.00	2.63	4.14	2.56
	35	2.66	2.20	2.91	2.22	3.42	2.49	3.60	2.51	3.72	2.50	3.96	2.62	4.09	2.54
	36	2.66	2.20	2.91	2.22	3.39	2.48	3.58	2.50	3.68	2.48	3.89	2.59	4.02	2.52
	38	2.66	2.20	2.90	2.21	3.34	2.45	3.55	2.49	3.61	2.46	3.74	2.53	3.86	2.46
	39	2.66	2.20	2.89	2.21	3.32	2.44	3.53	2.48	3.58	2.44	3.67	2.50	3.78	2.42
	41	2.66	2.20	2.88	2.20	3.22	2.40	3.38	2.41	3.43	2.38	3.51	2.43	3.60	2.37
	43	2.66	2.20	2.87	2.20	3.12	2.36	3.24	2.35	3.28	2.32	3.35	2.38	3.42	2.31

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 8.5 (m³/min)	-19.8	-20	2.32	2.32	2.32	2.32	2.32
	-17.8	-18	2.47	2.47	2.47	2.47	2.47
	-15.7	-16	2.62	2.62	2.62	2.62	2.62
	-13.7	-14	2.77	2.77	2.77	2.77	2.77
	-11.7	-12	2.92	2.92	2.92	2.92	2.92
	-9.6	-10	3.07	3.07	3.07	3.07	3.07
	-7.5	-8	3.25	3.25	3.25	3.25	3.25
	-5.5	-6	3.44	3.44	3.44	3.44	3.44
	-3.4	-4	3.56	3.56	3.55	3.52	3.48
	-1.3	-2	3.68	3.67	3.66	3.59	3.52
	0.8	0	3.88	3.83	3.77	3.64	3.50
	3.9	3	4.21	4.06	3.91	3.69	3.47
	7.0	6	4.60	4.30	4.00	3.72	3.44
	10.1	9	4.57	4.28	3.99	3.70	3.41
	13.2	12	4.54	4.25	3.96	3.67	3.38
	16.9	15.5	4.51	4.22	3.93	3.64	3.35

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 7 (m³/min)	10			2.79	2.02	3.33	2.29	3.60	2.35	3.83	2.40	4.30	2.59	4.46	2.51
	12			2.79	2.02	3.33	2.29	3.60	2.35	3.83	2.40	4.28	2.58	4.44	2.50
	14			2.79	2.02	3.33	2.29	3.60	2.35	3.82	2.40	4.26	2.57	4.42	2.49
	16			2.79	2.02	3.33	2.29	3.60	2.35	3.82	2.40	4.25	2.57	4.40	2.49
	18			2.79	2.02	3.33	2.29	3.60	2.35	3.81	2.39	4.23	2.56	4.38	2.48
	20			2.79	2.02	3.33	2.29	3.60	2.35	3.81	2.39	4.22	2.55	4.36	2.47
	22			2.78	2.01	3.33	2.29	3.60	2.35	3.79	2.38	4.16	2.53	4.30	2.45
	24			2.78	2.01	3.33	2.29	3.60	2.35	3.77	2.37	4.11	2.50	4.24	2.42
	26			2.78	2.01	3.31	2.28	3.57	2.34	3.73	2.35	4.05	2.47	4.18	2.40
	28	2.52	1.97	2.77	2.01	3.30	2.27	3.54	2.33	3.68	2.32	3.98	2.45	4.11	2.37
	30	2.52	1.97	2.77	2.01	3.27	2.26	3.50	2.31	3.64	2.31	3.92	2.42	4.05	2.35
	32	2.52	1.97	2.76	2.00	3.25	2.25	3.47	2.30	3.60	2.29	3.86	2.40	3.99	2.32
	34	2.52	1.97	2.75	2.00	3.24	2.25	3.42	2.27	3.54	2.27	3.78	2.36	3.91	2.29
	35	2.52	1.97	2.75	2.00	3.23	2.24	3.40	2.26	3.51	2.25	3.74	2.35	3.87	2.28
	36	2.52	1.97	2.74	1.99	3.21	2.23	3.38	2.25	3.48	2.24	3.67	2.32	3.79	2.24
	38	2.52	1.97	2.74	1.99	3.16	2.21	3.35	2.24	3.41	2.21	3.54	2.26	3.64	2.19
	39	2.52	1.97	2.73	1.99	3.13	2.19	3.33	2.23	3.38	2.20	3.47	2.24	3.57	2.17
	41	2.52	1.97	2.72	1.98	3.04	2.15	3.20	2.17	3.24	2.13	3.31	2.17	3.40	2.10
	43	2.52	1.97	2.71	1.98	2.94	2.10	3.06	2.10	3.09	2.07	3.16	2.11	3.23	2.04

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 7 (m³/min)	-19.8	-20	2.18	2.18	2.18	2.18	2.18
	-17.8	-18	2.32	2.32	2.32	2.32	2.32
	-15.7	-16	2.46	2.46	2.46	2.46	2.46
	-13.7	-14	2.60	2.60	2.60	2.60	2.60
	-11.7	-12	2.74	2.74	2.74	2.74	2.74
	-9.6	-10	2.88	2.88	2.88	2.88	2.88
	-7.5	-8	3.05	3.05	3.05	3.05	3.05
	-5.5	-6	3.23	3.23	3.23	3.23	3.23
	-3.4	-4	3.34	3.33	3.33	3.30	3.26
	-1.3	-2	3.45	3.44	3.43	3.37	3.30
	0.8	0	3.64	3.59	3.53	3.41	3.28
	3.9	3	3.95	3.81	3.67	3.46	3.25
	7.0	6	4.31	4.03	3.75	3.49	3.23
	10.1	9	4.28	4.01	3.74	3.47	3.20
	13.2	12	4.26	3.98	3.71	3.44	3.17
	16.9	15.5	4.22	3.95	3.68	3.41	3.14

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 6 (m³/min)	10			2.61	1.84	3.13	2.10	3.38	2.17	3.60	2.21	4.03	2.38	4.18	2.30
	12			2.61	1.84	3.13	2.10	3.38	2.17	3.59	2.21	4.02	2.38	4.17	2.30
	14			2.61	1.84	3.13	2.10	3.38	2.17	3.59	2.21	4.00	2.37	4.15	2.29
	16			2.61	1.84	3.13	2.10	3.38	2.17	3.58	2.20	3.99	2.37	4.13	2.29
	18			2.61	1.84	3.13	2.10	3.38	2.17	3.58	2.20	3.97	2.35	4.11	2.28
	20			2.61	1.84	3.13	2.10	3.38	2.17	3.57	2.20	3.96	2.35	4.09	2.27
	22			2.61	1.84	3.12	2.10	3.38	2.17	3.56	2.19	3.91	2.33	4.04	2.25
	24			2.61	1.84	3.12	2.10	3.38	2.17	3.54	2.18	3.86	2.30	3.98	2.22
	26			2.61	1.84	3.11	2.09	3.35	2.15	3.50	2.17	3.80	2.28	3.92	2.20
	28	2.36	1.80	2.60	1.84	3.09	2.08	3.32	2.14	3.46	2.15	3.74	2.25	3.86	2.18
	30	2.36	1.80	2.60	1.84	3.07	2.07	3.29	2.12	3.42	2.13	3.68	2.22	3.80	2.15
	32	2.36	1.80	2.59	1.83	3.05	2.06	3.25	2.10	3.38	2.11	3.62	2.19	3.74	2.13
	34	2.36	1.80	2.58	1.83	3.04	2.06	3.21	2.09	3.32	2.08	3.54	2.16	3.67	2.10
	35	2.36	1.80	2.58	1.83	3.03	2.05	3.19	2.08	3.30	2.07	3.51	2.15	3.63	2.08
	36	2.36	1.80	2.57	1.82	3.01	2.04	3.17	2.07	3.26	2.05	3.44	2.12	3.56	2.05
	38	2.36	1.80	2.57	1.82	2.96	2.02	3.14	2.05	3.20	2.02	3.32	2.07	3.42	1.99
	39	2.36	1.80	2.56	1.82	2.94	2.01	3.13	2.05	3.17	2.01	3.25	2.04	3.35	1.97
	41	2.36	1.80	2.56	1.82	2.85	1.97	3.00	1.99	3.04	1.95	3.11	1.98	3.19	1.91
	43	2.36	1.80	2.55	1.81	2.76	1.92	2.87	1.93	2.90	1.89	2.97	1.92	3.03	1.85

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 6 (m³/min)	-19.8	-20	2.03	2.03	2.03	2.03	2.03
	-17.8	-18	2.16	2.16	2.16	2.16	2.16
	-15.7	-16	2.29	2.29	2.29	2.29	2.29
	-13.7	-14	2.42	2.42	2.42	2.42	2.42
	-11.7	-12	2.55	2.55	2.55	2.55	2.55
	-9.6	-10	2.68	2.68	2.68	2.68	2.68
	-7.5	-8	2.85	2.85	2.85	2.85	2.85
	-5.5	-6	3.01	3.01	3.01	3.01	3.01
	-3.4	-4	3.12	3.11	3.11	3.08	3.05
	-1.3	-2	3.22	3.21	3.20	3.14	3.08
	0.8	0	3.40	3.35	3.30	3.18	3.06
	3.9	3	3.68	3.55	3.42	3.23	3.04
	7.0	6	4.03	3.76	3.50	3.26	3.01
	10.1	9	4.00	3.74	3.49	3.24	2.98
	13.2	12	3.97	3.72	3.47	3.21	2.96
	16.9	15.5	3.94	3.69	3.43	3.18	2.93

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJM000Z013

Model **FDUT45KXE6D** Cool Mode

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Hi 12 (m³/min)	10			3.69	2.93	4.41	3.31	4.77	3.39	5.07	3.43	5.68	3.71	5.90	3.62
	12			3.69	2.93	4.41	3.31	4.77	3.39	5.07	3.43	5.66	3.70	5.88	3.60
	14			3.69	2.93	4.41	3.31	4.77	3.39	5.06	3.42	5.64	3.69	5.85	3.59
	16			3.69	2.93	4.41	3.31	4.77	3.39	5.05	3.42	5.62	3.69	5.83	3.59
	18			3.69	2.93	4.41	3.31	4.77	3.39	5.05	3.42	5.60	3.68	5.80	3.58
	20			3.69	2.93	4.41	3.31	4.77	3.39	5.04	3.41	5.58	3.67	5.78	3.57
	22			3.68	2.92	4.41	3.31	4.77	3.39	5.02	3.41	5.51	3.64	5.70	3.54
	24			3.68	2.92	4.41	3.31	4.77	3.39	4.99	3.40	5.44	3.61	5.62	3.51
	26			3.68	2.92	4.39	3.30	4.73	3.37	4.93	3.37	5.35	3.58	5.53	3.48
	28	3.33	2.88	3.67	2.92	4.37	3.30	4.68	3.35	4.88	3.36	5.27	3.55	5.44	3.45
	30	3.33	2.88	3.66	2.91	4.33	3.28	4.64	3.34	4.82	3.34	5.19	3.52	5.36	3.42
	32	3.33	2.88	3.65	2.91	4.30	3.26	4.59	3.32	4.76	3.31	5.11	3.49	5.28	3.39
	34	3.33	2.88	3.64	2.90	4.28	3.26	4.53	3.29	4.69	3.28	5.00	3.44	5.17	3.35
	35	3.33	2.88	3.64	2.90	4.28	3.26	4.50	3.28	4.65	3.26	4.95	3.43	5.12	3.34
	36	3.33	2.88	3.63	2.90	4.24	3.24	4.48	3.27	4.60	3.24	4.86	3.39	5.02	3.29
	38	3.33	2.88	3.62	2.90	4.18	3.21	4.43	3.24	4.52	3.21	4.68	3.31	4.82	3.23
	39	3.33	2.88	3.62	2.90	4.15	3.20	4.41	3.24	4.47	3.19	4.59	3.29	4.72	3.20
	41	3.33	2.88	3.61	2.89	4.02	3.15	4.23	3.17	4.28	3.11	4.39	3.22	4.50	3.13
	43	3.33	2.88	3.59	2.88	3.90	3.09	4.05	3.09	4.09	3.04	4.18	3.14	4.28	3.05

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Hi 12 (m³/min)	-19.8	-20	2.90	2.90	2.90	2.90	2.90
	-17.8	-18	3.09	3.09	3.09	3.09	3.09
	-15.7	-16	3.27	3.27	3.27	3.27	3.27
	-13.7	-14	3.46	3.46	3.46	3.46	3.46
	-11.7	-12	3.65	3.65	3.65	3.65	3.65
	-9.6	-10	3.83	3.83	3.83	3.83	3.83
	-7.5	-8	4.07	4.07	4.07	4.07	4.07
	-5.5	-6	4.30	4.30	4.30	4.30	4.30
	-3.4	-4	4.45	4.44	4.44	4.39	4.35
	-1.3	-2	4.60	4.59	4.58	4.49	4.40
	0.8	0	4.85	4.78	4.71	4.54	4.38
	3.9	3	5.26	5.08	4.89	4.61	4.34
	7.0	6	5.75	5.38	5.00	4.65	4.30
	10.1	9	5.71	5.35	4.98	4.62	4.26
	13.2	12	5.68	5.31	4.95	4.59	4.23
	16.9	15.5	5.63	5.27	4.91	4.54	4.18

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Me 10 (m³/min)	10			3.34	2.57	4.00	2.92	4.32	2.99	4.60	3.04	5.15	3.27	5.35	3.18
	12			3.34	2.57	4.00	2.92	4.32	2.99	4.60	3.04	5.14	3.27	5.33	3.17
	14			3.34	2.57	4.00	2.92	4.32	2.99	4.59	3.03	5.12	3.25	5.31	3.16
	16			3.34	2.57	4.00	2.92	4.32	2.99	4.58	3.03	5.10	3.24	5.28	3.15
	18			3.34	2.57	4.00	2.92	4.32	2.99	4.58	3.03	5.08	3.24	5.26	3.15
	20			3.34	2.57	4.00	2.92	4.32	2.99	4.57	3.02	5.06	3.23	5.24	3.14
	22			3.34	2.57	4.00	2.92	4.32	2.99	4.55	3.00	5.00	3.21	5.16	3.11
	24			3.33	2.57	3.99	2.91	4.32	2.99	4.53	3.00	4.93	3.18	5.09	3.09
	26			3.33	2.57	3.98	2.91	4.28	2.97	4.47	2.98	4.86	3.16	5.02	3.06
	28	3.02	2.53	3.33	2.57	3.96	2.90	4.24	2.96	4.42	2.96	4.78	3.12	4.94	3.03
	30	3.02	2.53	3.32	2.57	3.93	2.88	4.20	2.94	4.37	2.94	4.70	3.09	4.86	3.00
	32	3.02	2.53	3.31	2.56	3.90	2.87	4.16	2.92	4.32	2.92	4.63	3.06	4.79	2.98
	34	3.02	2.53	3.30	2.55	3.88	2.87	4.11	2.90	4.25	2.89	4.53	3.02	4.69	2.94
	35	3.02	2.53	3.30	2.55	3.88	2.87	4.08	2.88	4.21	2.87	4.48	3.01	4.64	2.93
	36	3.02	2.53	3.29	2.55	3.85	2.85	4.06	2.88	4.17	2.86	4.40	2.98	4.55	2.89
	38	3.02	2.53	3.28	2.54	3.79	2.82	4.02	2.86	4.09	2.82	4.24	2.90	4.37	2.82
	39	3.02	2.53	3.28	2.54	3.76	2.81	4.00	2.85	4.05	2.80	4.16	2.87	4.28	2.80
	41	3.02	2.53	3.27	2.54	3.65	2.76	3.84	2.78	3.88	2.74	3.98	2.82	4.08	2.73
	43	3.02	2.53	3.26	2.54	3.53	2.71	3.67	2.71	3.71	2.66	3.79	2.74	3.88	2.66

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Me 10 (m³/min)	-19.8	-20	2.60	2.60	2.60	2.60	2.60
	-17.8	-18	2.77	2.77	2.77	2.77	2.77
	-15.7	-16	2.94	2.94	2.94	2.94	2.94
	-13.7	-14	3.11	3.11	3.11	3.11	3.11
	-11.7	-12	3.27	3.27	3.27	3.27	3.27
	-9.6	-10	3.44	3.44	3.44	3.44	3.44
	-7.5	-8	3.65	3.65	3.65	3.65	3.65
	-5.5	-6	3.86	3.86	3.86	3.86	3.86
	-3.4	-4	4.00	3.99	3.98	3.95	3.91
	-1.3	-2	4.13	4.12	4.11	4.03	3.95
	0.8	0	4.36	4.29	4.23	4.08	3.93
	3.9	3	4.73	4.56	4.39	4.14	3.90
	7.0	6	5.16	4.83	4.49	4.18	3.86
	10.1	9	5.13	4.80	4.47	4.15	3.83
	13.2	12	5.10	4.77	4.45	4.12	3.79
	16.9	15.5	5.06	4.73	4.41	4.08	3.75

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Lo 8 (m³/min)	10			3.16	2.31	3.78	2.62	4.09	2.70	4.35	2.75	4.88	2.96	5.06	2.87
	12			3.16	2.31	3.78	2.62	4.09	2.70	4.35	2.75	4.86	2.95	5.04	2.86
	14			3.16	2.31	3.78	2.62	4.09	2.70	4.34	2.74	4.84	2.94	5.02	2.86
	16			3.16	2.31	3.78	2.62	4.09	2.70	4.34	2.74	4.82	2.94	5.00	2.85
	18			3.16	2.31	3.78	2.62	4.09	2.70	4.33	2.74	4.81	2.93	4.98	2.84
	20			3.16	2.31	3.78	2.62	4.09	2.70	4.32	2.73	4.79	2.92	4.95	2.83
	22			3.16	2.31	3.78	2.62	4.09	2.70	4.30	2.72	4.73	2.89	4.89	2.80
	24			3.16	2.31	3.78	2.62	4.09	2.70	4.28	2.71	4.67	2.87	4.82	2.78
	26			3.15	2.30	3.76	2.61	4.05	2.68	4.23	2.69	4.59	2.84	4.74	2.74
	28	2.86	2.27	3.15	2.30	3.74	2.60	4.01	2.66	4.18	2.66	4.52	2.80	4.67	2.72
	30	2.86	2.27	3.14	2.30	3.72	2.59	3.98	2.65	4.13	2.64	4.45	2.77	4.60	2.69
	32	2.86	2.27	3.13	2.29	3.69	2.58	3.94	2.63	4.09	2.63	4.38	2.75	4.53	2.66
	34	2.86	2.27	3.12	2.29	3.67	2.57	3.89	2.61	4.02	2.59	4.29	2.71	4.44	2.63
	35	2.86	2.27	3.12	2.29	3.67	2.57	3.86	2.59	3.99	2.58	4.24	2.69	4.39	2.61
	36	2.86	2.27	3.12	2.29	3.64	2.55	3.84	2.58	3.95	2.56	4.17	2.66	4.31	2.58
	38	2.86	2.27	3.11	2.28	3.58	2.53	3.80	2.57	3.87	2.53	4.01	2.60	4.13	2.51
	39	2.86	2.27	3.10	2.28	3.56	2.52	3.78	2.55	3.83	2.51	3.94	2.57	4.05	2.47
	41	2.86	2.27	3.09	2.27	3.45	2.47	3.63	2.49	3.67	2.45	3.76	2.49	3.86	2.41
	43	2.86	2.27	3.08	2.27	3.34	2.42	3.47	2.42	3.51	2.38	3.59	2.43	3.67	2.35

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Lo 8 (m³/min)	-19.8	-20	2.44	2.44	2.44	2.44	2.44
	-17.8	-18	2.60	2.60	2.60	2.60	2.60
	-15.7	-16	2.76	2.76	2.76	2.76	2.76
	-13.7	-14	2.91	2.91	2.91	2.91	2.91
	-11.7	-12	3.07	3.07	3.07	3.07	3.07
	-9.6	-10	3.23	3.23	3.23	3.23	3.23
	-7.5	-8	3.42	3.42	3.42	3.42	3.42
	-5.5	-6	3.62	3.62	3.62	3.62	3.62
	-3.4	-4	3.75	3.74	3.74	3.70	3.66
	-1.3	-2	3.87	3.86	3.85	3.78	3.70
	0.8	0	4.08	4.03	3.97	3.83	3.68
	3.9	3	4.43	4.27	4.12	3.88	3.65
	7.0	6	4.84	4.53	4.21	3.92	3.62
	10.1	9	4.81	4.50	4.19	3.89	3.59
	13.2	12	4.78	4.47	4.17	3.86	3.56
	16.9	15.5	4.74	4.44	4.13	3.83	3.52

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJM000Z013

Model **FDUT56KXE6D** Cool Mode

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 12.5 (m³/min)	10			4.59	3.45	5.49	3.91	5.94	4.02	6.32	4.09	7.07	4.40	7.35	4.28
	12			4.59	3.45	5.49	3.91	5.94	4.02	6.31	4.08	7.05	4.39	7.31	4.27
	14			4.59	3.45	5.49	3.91	5.94	4.02	6.30	4.08	7.02	4.38	7.28	4.26
	16			4.59	3.45	5.49	3.91	5.94	4.02	6.29	4.07	7.00	4.38	7.25	4.24
	18			4.59	3.45	5.49	3.91	5.94	4.02	6.28	4.07	6.97	4.36	7.22	4.23
	20			4.59	3.45	5.49	3.91	5.94	4.02	6.27	4.07	6.95	4.35	7.19	4.22
	22			4.58	3.45	5.49	3.91	5.94	4.02	6.24	4.05	6.86	4.31	7.09	4.18
	24			4.58	3.45	5.48	3.91	5.94	4.02	6.21	4.04	6.77	4.28	6.99	4.14
	26			4.57	3.45	5.46	3.90	5.88	4.00	6.14	4.01	6.66	4.23	6.88	4.10
	28	4.14	3.39	4.57	3.45	5.43	3.89	5.82	3.97	6.07	3.98	6.56	4.19	6.78	4.07
	30	4.14	3.39	4.56	3.44	5.39	3.87	5.77	3.93	6.00	3.95	6.46	4.15	6.67	4.01
	32	4.14	3.39	4.55	3.44	5.35	3.85	5.71	3.91	5.93	3.92	6.36	4.10	6.57	3.98
	34	4.14	3.39	4.53	3.42	5.33	3.85	5.64	3.88	5.83	3.87	6.22	4.05	6.44	3.94
	35	4.14	3.39	4.52	3.42	5.32	3.84	5.60	3.87	5.79	3.85	6.16	4.03	6.37	3.92
	36	4.14	3.39	4.52	3.42	5.28	3.82	5.57	3.86	5.73	3.83	6.05	3.99	6.25	3.87
	38	4.14	3.39	4.51	3.41	5.20	3.79	5.52	3.84	5.62	3.79	5.82	3.89	6.00	3.78
	39	4.14	3.39	4.50	3.41	5.16	3.76	5.49	3.82	5.56	3.76	5.71	3.86	5.87	3.74
	41	4.14	3.39	4.49	3.41	5.00	3.69	5.26	3.72	5.33	3.67	5.46	3.76	5.60	3.64
	43	4.14	3.39	4.47	3.40	4.85	3.63	5.04	3.63	5.10	3.57	5.21	3.67	5.32	3.55

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 12.5 (m³/min)	-19.8	-20	3.48	3.48	3.48	3.48	3.48
	-17.8	-18	3.70	3.70	3.70	3.70	3.70
	-15.7	-16	3.93	3.93	3.93	3.93	3.93
	-13.7	-14	4.15	4.15	4.15	4.15	4.15
	-11.7	-12	4.38	4.38	4.38	4.38	4.38
	-9.6	-10	4.60	4.60	4.60	4.60	4.60
	-7.5	-8	4.88	4.88	4.88	4.88	4.88
	-5.5	-6	5.16	5.16	5.16	5.16	5.16
	-3.4	-4	5.34	5.33	5.33	5.27	5.22
	-1.3	-2	5.52	5.51	5.49	5.39	5.28
	0.8	0	5.82	5.74	5.66	5.45	5.25
	3.9	3	6.32	6.09	5.87	5.54	5.21
	7.0	6	6.90	6.45	6.00	5.58	5.16
	10.1	9	6.86	6.42	5.98	5.55	5.12
	13.2	12	6.81	6.38	5.94	5.51	5.07
	16.9	15.5	6.76	6.32	5.89	5.45	5.02

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 10 (m³/min)	10			4.11	2.98	4.92	3.39	5.32	3.49	5.66	3.55	6.34	3.83	6.58	3.71
	12			4.11	2.98	4.92	3.39	5.32	3.49	5.65	3.55	6.32	3.81	6.56	3.70
	14			4.11	2.98	4.92	3.39	5.32	3.49	5.65	3.55	6.30	3.80	6.53	3.69
	16			4.11	2.98	4.92	3.39	5.32	3.49	5.64	3.55	6.27	3.79	6.50	3.68
	18			4.11	2.98	4.92	3.39	5.32	3.49	5.63	3.54	6.25	3.79	6.47	3.67
	20			4.11	2.98	4.92	3.39	5.32	3.49	5.62	3.54	6.23	3.78	6.44	3.66
	22			4.11	2.98	4.92	3.39	5.32	3.49	5.60	3.53	6.15	3.75	6.35	3.62
	24			4.10	2.98	4.92	3.39	5.32	3.49	5.57	3.51	6.07	3.71	6.27	3.59
	26			4.10	2.98	4.89	3.37	5.27	3.47	5.51	3.49	5.97	3.67	6.17	3.55
	28	3.71	2.92	4.10	2.98	4.87	3.36	5.22	3.45	5.44	3.45	5.88	3.63	6.07	3.51
	30	3.71	2.92	4.09	2.97	4.83	3.35	5.17	3.42	5.38	3.43	5.79	3.59	5.98	3.48
	32	3.71	2.92	4.08	2.97	4.79	3.33	5.12	3.40	5.31	3.40	5.70	3.55	5.89	3.44
	34	3.71	2.92	4.06	2.96	4.78	3.32	5.05	3.37	5.23	3.36	5.58	3.50	5.77	3.40
	35	3.71	2.92	4.06	2.96	4.77	3.32	5.02	3.34	5.19	3.34	5.52	3.48	5.71	3.36
	36	3.71	2.92	4.05	2.95	4.73	3.30	4.99	3.33	5.14	3.31	5.42	3.43	5.60	3.33
	38	3.71	2.92	4.04	2.95	4.66	3.27	4.94	3.31	5.04	3.27	5.22	3.35	5.38	3.25
	39	3.71	2.92	4.04	2.95	4.63	3.26	4.92	3.30	4.99	3.25	5.12	3.31	5.27	3.21
	41	3.71	2.92	4.02	2.94	4.49	3.19	4.72	3.22	4.78	3.16	4.89	3.22	5.02	3.12
	43	3.71	2.92	4.01	2.93	4.35	3.13	4.52	3.13	4.57	3.07	4.67	3.14	4.77	3.03

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 10 (m³/min)	-19.8	-20	3.22	3.22	3.22	3.22	3.22
	-17.8	-18	3.43	3.43	3.43	3.43	3.43
	-15.7	-16	3.64	3.64	3.64	3.64	3.64
	-13.7	-14	3.85	3.85	3.85	3.85	3.85
	-11.7	-12	4.06	4.06	4.06	4.06	4.06
	-9.6	-10	4.26	4.26	4.26	4.26	4.26
	-7.5	-8	4.52	4.52	4.52	4.52	4.52
	-5.5	-6	4.78	4.78	4.78	4.78	4.78
	-3.4	-4	4.95	4.94	4.93	4.89	4.84
	-1.3	-2	5.12	5.10	5.09	4.99	4.89
	0.8	0	5.39	5.32	5.24	5.05	4.87
	3.9	3	5.85	5.64	5.43	5.13	4.82
	7.0	6	6.39	5.98	5.56	5.17	4.78
	10.1	9	6.35	5.95	5.54	5.14	4.74
	13.2	12	6.31	5.91	5.50	5.10	4.70
	16.9	15.5	6.26	5.86	5.46	5.05	4.65

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 8.5 (m³/min)	10			3.85	2.72	4.61	3.10	4.98	3.20	5.30	3.26	5.94	3.52	6.16	3.40
	12			3.85	2.72	4.61	3.10	4.98	3.20	5.29	3.26	5.92	3.51	6.14	3.40
	14			3.85	2.72	4.61	3.10	4.98	3.20	5.29	3.26	5.89	3.49	6.11	3.38
	16			3.85	2.72	4.61	3.10	4.98	3.20	5.28	3.25	5.87	3.48	6.09	3.37
	18			3.85	2.72	4.61	3.10	4.98	3.20	5.27	3.25	5.85	3.47	6.06	3.36
	20			3.85	2.72	4.61	3.10	4.98	3.20	5.26	3.24	5.83	3.47	6.03	3.35
	22			3.85	2.72	4.60	3.10	4.98	3.20	5.24	3.23	5.76	3.43	5.95	3.31
	24			3.84	2.72	4.60	3.10	4.98	3.20	5.22	3.22	5.68	3.39	5.87	3.28
	26			3.84	2.72	4.58	3.09	4.94	3.18	5.15	3.19	5.59	3.35	5.78	3.24
	28	3.48	2.66	3.84	2.72	4.56	3.08	4.89	3.15	5.09	3.16	5.50	3.31	5.69	3.21
	30	3.48	2.66	3.83	2.71	4.52	3.05	4.84	3.13	5.03	3.13	5.42	3.28	5.60	3.17
	32	3.48	2.66	3.82	2.71	4.49	3.04	4.79	3.10	4.97	3.10	5.34	3.24	5.52	3.14
	34	3.48	2.66	3.80	2.70	4.47	3.03	4.73	3.08	4.90	3.07	5.22	3.19	5.40	3.09
	35	3.48	2.66	3.80	2.70	4.47	3.03	4.70	3.06	4.86	3.05	5.17	3.17	5.35	3.07
	36	3.48	2.66	3.79	2.69	4.43	3.01	4.68	3.05	4.81	3.03	5.07	3.13	5.24	3.03
	38	3.48	2.66	3.78	2.69	4.36	2.98	4.63	3.02	4.72	2.98	4.89	3.04	5.03	2.94
	39	3.48	2.66	3.78	2.69	4.33	2.96	4.61	3.01	4.67	2.96	4.80	3.01	4.93	2.91
	41	3.48	2.66	3.77	2.68	4.20	2.90	4.42	2.93	4.47	2.88	4.58	2.92	4.70	2.82
	43	3.48	2.66	3.75	2.67	4.07	2.84	4.23	2.84	4.28	2.79	4.37	2.83	4.47	2.74

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 8.5 (m³/min)	-19.8	-20	3.00	3.00	3.00	3.00	3.00
	-17.8	-18	3.19	3.19	3.19	3.19	3.19
	-15.7	-16	3.38	3.38	3.38	3.38	3.38
	-13.7	-14	3.58	3.58	3.58	3.58	3.58
	-11.7	-12	3.77	3.77	3.77	3.77	3.77
	-9.6	-10	3.96	3.96	3.96	3.96	3.96
	-7.5	-8	4.20	4.20	4.20	4.20	4.20
	-5.5	-6	4.45	4.45	4.45	4.45	4.45
	-3.4	-4	4.60	4.59	4.59	4.54	4.50
	-1.3	-2	4.76	4.74	4.73	4.64	4.55
	0.8	0	5.01	4.94	4.87	4.70	4.52
	3.9	3	5.44	5.25	5.05	4.77	4.48
	7.0	6	5.95	5.56	5.17	4.81	4.45
	10.1	9	5.91	5.53	5.15	4.78	4.41
	13.2	12	5.87	5.49	5.12	4.74	4.37
	16.9	15.5	5.82	5.45	5.07	4.70	4.32

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJM000Z013

(i) Duct connected-Compact and Flexible type (FDUH)

Model **FDUH22KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi 8.5 (m³/min)	10			1.80	1.63	2.16	1.84	2.33	1.87	2.48	1.88	2.78	2.04	2.89	2.00
	12			1.80	1.63	2.16	1.84	2.33	1.87	2.48	1.88	2.77	2.04	2.87	2.00
	14			1.80	1.63	2.16	1.84	2.33	1.87	2.47	1.88	2.76	2.04	2.86	1.99
	16			1.80	1.63	2.16	1.84	2.33	1.87	2.47	1.88	2.75	2.04	2.85	1.99
	18			1.80	1.63	2.16	1.84	2.33	1.87	2.47	1.88	2.74	2.03	2.84	1.99
	20			1.80	1.63	2.16	1.84	2.33	1.87	2.46	1.88	2.73	2.03	2.82	1.98
	22			1.80	1.63	2.15	1.84	2.33	1.87	2.45	1.87	2.69	2.02	2.78	1.97
	24			1.80	1.63	2.15	1.84	2.33	1.87	2.44	1.87	2.66	2.01	2.75	1.96
	26			1.80	1.63	2.14	1.83	2.31	1.86	2.41	1.86	2.62	2.00	2.70	1.95
	28	1.63	1.56	1.80	1.63	2.13	1.83	2.29	1.86	2.38	1.85	2.58	1.98	2.66	1.93
	30	1.63	1.56	1.79	1.62	2.12	1.83	2.27	1.85	2.36	1.85	2.54	1.97	2.62	1.92
	32	1.63	1.56	1.79	1.62	2.10	1.82	2.24	1.84	2.33	1.84	2.50	1.95	2.58	1.91
	34	1.63	1.56	1.78	1.62	2.09	1.82	2.21	1.83	2.29	1.82	2.44	1.93	2.53	1.89
	35	1.63	1.56	1.78	1.62	2.09	1.82	2.20	1.82	2.27	1.82	2.42	1.93	2.50	1.88
	36	1.63	1.56	1.78	1.62	2.07	1.80	2.19	1.82	2.25	1.81	2.37	1.91	2.45	1.87
	38	1.63	1.56	1.77	1.62	2.04	1.79	2.17	1.81	2.21	1.79	2.29	1.88	2.36	1.84
	39	1.63	1.56	1.77	1.62	2.03	1.79	2.16	1.81	2.19	1.79	2.24	1.86	2.31	1.82
	41	1.63	1.56	1.76	1.61	1.97	1.77	2.07	1.77	2.09	1.75	2.14	1.83	2.20	1.78
	43	1.63	1.56	1.76	1.61	1.91	1.74	1.98	1.74	2.00	1.72	2.05	1.80	2.09	1.74

Heat Mode

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 8.5 (m³/min)	-19.8	-20	1.45	1.45	1.45	1.45	1.45
	-17.8	-18	1.54	1.54	1.54	1.54	1.54
	-15.7	-16	1.64	1.64	1.64	1.64	1.64
	-13.7	-14	1.73	1.73	1.73	1.73	1.73
	-11.7	-12	1.82	1.82	1.82	1.82	1.82
	-9.6	-10	1.92	1.92	1.92	1.92	1.92
	-7.5	-8	2.03	2.03	2.03	2.03	2.03
	-5.5	-6	2.15	2.15	2.15	2.15	2.15
	-3.4	-4	2.23	2.22	2.22	2.20	2.18
	-1.3	-2	2.30	2.29	2.29	2.24	2.20
	0.8	0	2.43	2.39	2.36	2.27	2.19
	3.9	3	2.63	2.54	2.44	2.31	2.17
	7.0	6	2.88	2.69	2.50	2.33	2.15
	10.1	9	2.86	2.67	2.49	2.31	2.13
	13.2	12	2.84	2.66	2.48	2.29	2.11
	16.9	15.5	2.82	2.63	2.45	2.27	2.09

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi 7 (m³/min)	10			1.77	1.48	2.12	1.67	2.29	1.70	2.44	1.73	2.73	1.86	2.83	1.82
	12			1.77	1.48	2.12	1.67	2.29	1.70	2.43	1.73	2.72	1.86	2.82	1.82
	14			1.77	1.48	2.12	1.67	2.29	1.70	2.43	1.73	2.71	1.86	2.81	1.81
	16			1.77	1.48	2.12	1.67	2.29	1.70	2.43	1.73	2.70	1.86	2.80	1.81
	18			1.77	1.48	2.12	1.67	2.29	1.70	2.42	1.72	2.69	1.85	2.78	1.80
	20			1.77	1.48	2.12	1.67	2.29	1.70	2.42	1.72	2.68	1.85	2.77	1.80
	22			1.77	1.48	2.12	1.67	2.29	1.70	2.41	1.72	2.65	1.84	2.73	1.78
	24			1.77	1.48	2.11	1.66	2.29	1.70	2.40	1.71	2.61	1.82	2.70	1.77
	26			1.76	1.47	2.11	1.66	2.27	1.70	2.37	1.70	2.57	1.81	2.66	1.76
	28	1.60	1.46	1.76	1.47	2.10	1.66	2.25	1.69	2.34	1.69	2.53	1.79	2.61	1.74
	30	1.60	1.46	1.76	1.47	2.08	1.65	2.22	1.68	2.31	1.68	2.49	1.77	2.57	1.72
	32	1.60	1.46	1.75	1.47	2.06	1.64	2.20	1.67	2.29	1.67	2.45	1.76	2.54	1.71
	34	1.60	1.46	1.75	1.47	2.06	1.64	2.17	1.66	2.25	1.65	2.40	1.74	2.48	1.69
	35	1.60	1.46	1.75	1.47	2.05	1.64	2.16	1.65	2.23	1.64	2.37	1.73	2.46	1.69
	36	1.60	1.46	1.74	1.46	2.04	1.63	2.15	1.64	2.21	1.63	2.33	1.71	2.41	1.68
	38	1.60	1.46	1.74	1.46	2.01	1.62	2.13	1.63	2.17	1.61	2.25	1.69	2.31	1.64
	39	1.60	1.46	1.74	1.46	1.99	1.61	2.12	1.63	2.15	1.61	2.20	1.67	2.27	1.63
	41	1.60	1.46	1.73	1.46	1.93	1.59	2.03	1.60	2.06	1.58	2.11	1.64	2.16	1.59
	43	1.60	1.46	1.72	1.45	1.87	1.56	1.94	1.56	1.97	1.54	2.01	1.60	2.05	1.56

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 7 (m³/min)	-19.8	-20	1.43	1.43	1.43	1.43	1.43
	-17.8	-18	1.52	1.52	1.52	1.52	1.52
	-15.7	-16	1.61	1.61	1.61	1.61	1.61
	-13.7	-14	1.70	1.70	1.70	1.70	1.70
	-11.7	-12	1.79	1.79	1.79	1.79	1.79
	-9.6	-10	1.89	1.89	1.89	1.89	1.89
	-7.5	-8	2.00	2.00	2.00	2.00	2.00
	-5.5	-6	2.12	2.12	2.12	2.12	2.12
	-3.4	-4	2.19	2.19	2.18	2.16	2.14
	-1.3	-2	2.26	2.26	2.25	2.21	2.16
	0.8	0	2.39	2.35	2.32	2.24	2.15
	3.9	3	2.59	2.50	2.40	2.27	2.13
	7.0	6	2.83	2.64	2.46	2.29	2.12
	10.1	9	2.81	2.63	2.45	2.27	2.10
	13.2	12	2.79	2.61	2.44	2.26	2.08
	16.9	15.5	2.77	2.59	2.41	2.24	2.06

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me 6.5 (m³/min)	10			1.70	1.40	2.04	1.59	2.20	1.62	2.35	1.65	2.63	1.78	2.73	1.73
	12			1.70	1.40	2.04	1.59	2.20	1.62	2.34	1.64	2.62	1.78	2.72	1.73
	14			1.70	1.40	2.04	1.59	2.20	1.62	2.34	1.64	2.61	1.77	2.70	1.72
	16			1.70	1.40	2.04	1.59	2.20	1.62	2.34	1.64	2.60	1.77	2.69	1.72
	18			1.70	1.40	2.04	1.59	2.20	1.62	2.33	1.64	2.59	1.76	2.68	1.72
	20			1.70	1.40	2.04	1.59	2.20	1.62	2.33	1.64	2.58	1.76	2.67	1.71
	22			1.70	1.40	2.04	1.59	2.20	1.62	2.32	1.64	2.55	1.75	2.63	1.70
	24			1.70	1.40	2.04	1.59	2.20	1.62	2.31	1.63	2.51	1.73	2.60	1.69
	26			1.70	1.40	2.03	1.58	2.18	1.61	2.28	1.62	2.48	1.72	2.56	1.67
	28	1.54	1.38	1.70	1.40	2.02	1.58	2.16	1.60	2.25	1.61	2.44	1.71	2.52	1.65
	30	1.54	1.38	1.69	1.40	2.00	1.57	2.14	1.59	2.23	1.60	2.40	1.69	2.48	1.64
	32	1.54	1.38	1.69	1.40	1.99	1.57	2.12	1.58	2.20	1.58	2.36	1.67	2.44	1.63
	34	1.54	1.38	1.68	1.40	1.98	1.56	2.09	1.57	2.17	1.57	2.31	1.65	2.39	1.62
	35	1.54	1.38	1.68	1.40	1.98	1.56	2.08	1.57	2.15	1.56	2.29	1.65	2.37	1.61
	36	1.54	1.38	1.68	1.40	1.96	1.55	2.07	1.57	2.13	1.56	2.25	1.64	2.32	1.59
	38	1.54	1.38	1.67	1.39	1.93	1.54	2.05	1.56	2.09	1.54	2.16	1.60	2.23	1.56
	39	1.54	1.38	1.67	1.39	1.92	1.54	2.04	1.56	2.07	1.54	2.12	1.59	2.18	1.55
	41	1.54	1.38	1.67	1.39	1.86	1.52	1.96	1.53	1.98	1.50	2.03	1.56	2.08	1.51
	43	1.54	1.38	1.66	1.38	1.80	1.49	1.87	1.49	1.89	1.47	1.93	1.52	1.98	1.48

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 6.5 (m³/min)	-19.8	-20	1.37	1.37	1.37	1.37	1.37
	-17.8	-18	1.46	1.46	1.46	1.46	1.46
	-15.7	-16	1.55	1.55	1.55	1.55	1.55
	-13.7	-14	1.64	1.64	1.64	1.64	1.64
	-11.7	-12	1.73	1.73	1.73	1.73	1.73
	-9.6	-10	1.82	1.82	1.82	1.82	1.82
	-7.5	-8	1.93	1.93	1.93	1.93	1.93
	-5.5	-6	2.04	2.04	2.04	2.04	2.04
	-3.4	-4	2.11	2.11	2.10	2.08	2.06
	-1.3	-2	2.18	2.17	2.17	2.13	2.09
	0.8	0	2.30	2.27	2.23	2.15	2.07
	3.9	3	2.49	2.41	2.32	2.19	2.06
	7.0	6	2.73	2.55	2.37	2.20	2.04
	10.1	9	2.71	2.53	2.36	2.19	2.02
	13.2	12	2.69	2.52	2.35	2.17	2.00
	16.9	15.5	2.67	2.50	2.33	2.15	1.98

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo 6 (m³/min)	10			1.61	1.34	1.92	1.51	2.08	1.54	2.21	1.56	2.48	1.68	2.57	1.64
	12			1.61	1.34	1.92	1.51	2.08	1.54	2.21	1.56	2.47	1.68	2.56	1.64
	14			1.61	1.34	1.92	1.51	2.08	1.54	2.20	1.56	2.46	1.68	2.55	1.64
	16			1.61	1.34	1.92	1.51	2.08	1.54	2.20	1.56	2.45	1.67	2.54	1.64
	18			1.61	1.34	1.92	1.51	2.08	1.54	2.20	1.56	2.44	1.67	2.53	1.63
	20			1.61	1.34	1.92	1.51	2.08	1.54	2.20	1.56	2.43	1.67	2.52	1.63
	22			1.60	1.33	1.92	1.51	2.08	1.54	2.19	1.55	2.40	1.66	2.48	1.61
	24			1.60	1.33	1.92	1.51	2.08	1.54	2.17	1.54	2.37	1.65	2.45	1.60
	26			1.60	1.33	1.91	1.50	2.06	1.53	2.15	1.54	2.33	1.63	2.41	1.59
	28	1.45	1.32	1.60	1.33	1.90	1.49	2.04	1.53	2.12	1.52	2.29	1.62	2.37	1.58
	30	1.45	1.32	1.60	1.33	1.89	1.49	2.02	1.52	2.10	1.52	2.26	1.61	2.34	1.56
	32	1.45	1.32	1.59	1.33	1.87	1.48	2.00	1.51	2.07	1.50	2.23	1.59	2.30	1.55
	34	1.45	1.32	1.59	1.33	1.87	1.48	1.97	1.50	2.04	1.49	2.18	1.58	2.25	1.54
	35	1.45	1.32	1.58	1.32	1.86	1.48	1.96	1.49	2.02	1.49	2.15	1.56	2.23	1.53
	36	1.45	1.32	1.58	1.32	1.85	1.48	1.95	1.48	2.01	1.47	2.12	1.55	2.19	1.52
	38	1.45	1.32	1.58	1.32	1.82	1.46	1.93	1.47	1.97	1.46	2.04	1.52	2.10	1.48
	39	1.45	1.32	1.58	1.32	1.81	1.46	1.92	1.47	1.95	1.45	2.00	1.50	2.06	1.47
	41	1.45	1.32	1.57	1.32	1.75	1.44	1.84	1.44	1.87	1.43	1.91	1.47	1.96	1.44
	43	1.45	1.32	1.56	1.32	1.70	1.42	1.76	1.41	1.78	1.39	1.82	1.45	1.86	1.41

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 6 (m³/min)	-19.8	-20	1.26	1.26	1.26	1.26	1.26
	-17.8	-18	1.35	1.35	1.35	1.35	1.35
	-15.7	-16	1.43	1.43	1.43	1.43	1.43
	-13.7	-14	1.51	1.51	1.51	1.51	1.51
	-11.7	-12	1.59	1.59	1.59	1.59	1.59
	-9.6	-10	1.67	1.67	1.67	1.67	1.67
	-7.5	-8	1.77	1.77	1.77	1.77	1.77
	-5.5	-6	1.87	1.87	1.87	1.87	1.87
	-3.4	-4	1.94	1.94	1.93	1.92	1.90
	-1.3	-2	2.01	2.00	1.99	1.96	1.92
	0.8	0	2.11	2.08	2.05	1.98	1.91
	3.9	3	2.29	2.21	2.13	2.01	1.89
	7.0	6	2.51	2.34	2.18	2.03	1.87
	10.1	9	2.49	2.33	2.17	2.02	1.86
	13.2	12	2.47	2.32	2.16	2.00	1.84
	16.9	15.5	2.46	2.30	2.14	1.98	1.82

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJC001Z335

Model **FDUH28KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			2.30	1.97	2.74	2.22	2.97	2.27	3.16	2.29	3.54	2.48	3.67	2.41
	12			2.30	1.97	2.74	2.22	2.97	2.27	3.15	2.29	3.52	2.47	3.66	2.41
	14			2.30	1.97	2.74	2.22	2.97	2.27	3.15	2.29	3.51	2.47	3.64	2.41
	16			2.30	1.97	2.74	2.22	2.97	2.27	3.14	2.29	3.50	2.47	3.63	2.40
	18			2.30	1.97	2.74	2.22	2.97	2.27	3.14	2.29	3.49	2.46	3.61	2.40
P-Hi	20			2.30	1.97	2.74	2.22	2.97	2.27	3.14	2.29	3.47	2.45	3.59	2.39
	22			2.29	1.96	2.74	2.22	2.97	2.27	3.12	2.28	3.43	2.44	3.54	2.37
8.5	24			2.29	1.96	2.74	2.22	2.97	2.27	3.11	2.27	3.39	2.42	3.50	2.36
(m³/min)	26			2.29	1.96	2.73	2.21	2.94	2.25	3.07	2.26	3.33	2.40	3.44	2.34
	28	2.07	1.94	2.28	1.96	2.72	2.21	2.91	2.24	3.03	2.24	3.28	2.38	3.39	2.32
	30	2.07	1.94	2.28	1.96	2.70	2.20	2.88	2.23	3.00	2.23	3.23	2.36	3.34	2.31
	32	2.07	1.94	2.27	1.95	2.67	2.19	2.86	2.22	2.96	2.21	3.18	2.35	3.29	2.29
	34	2.07	1.94	2.27	1.95	2.66	2.18	2.82	2.21	2.92	2.20	3.11	2.32	3.22	2.27
	35	2.07	1.94	2.26	1.95	2.66	2.18	2.80	2.20	2.89	2.19	3.08	2.31	3.18	2.24
	36	2.07	1.94	2.26	1.95	2.64	2.18	2.79	2.19	2.86	2.18	3.02	2.29	3.12	2.22
	38	2.07	1.94	2.25	1.95	2.60	2.16	2.76	2.18	2.81	2.15	2.91	2.24	3.00	2.19
	39	2.07	1.94	2.25	1.95	2.58	2.15	2.74	2.17	2.78	2.14	2.86	2.22	2.94	2.17
	41	2.07	1.94	2.24	1.94	2.50	2.12	2.63	2.13	2.66	2.10	2.73	2.18	2.80	2.13
	43	2.07	1.94	2.24	1.94	2.43	2.09	2.52	2.09	2.55	2.05	2.60	2.14	2.66	2.08

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	1.86	1.86	1.86	1.86	1.86
	-17.8	-18	1.98	1.98	1.98	1.98	1.98
	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
P-Hi	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
8.5	-5.5	-6	2.75	2.75	2.75	2.75	2.75
(m³/min)	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			2.21	1.77	2.65	2.00	2.86	2.05	3.04	2.08	3.41	2.24	3.54	2.18
	12			2.21	1.77	2.65	2.00	2.86	2.05	3.04	2.08	3.40	2.24	3.53	2.18
	14			2.21	1.77	2.65	2.00	2.86	2.05	3.04	2.08	3.39	2.23	3.51	2.17
	16			2.21	1.77	2.65	2.00	2.86	2.05	3.03	2.07	3.37	2.23	3.50	2.17
	18			2.21	1.77	2.65	2.00	2.86	2.05	3.03	2.07	3.36	2.22	3.48	2.16
Hi	20			2.21	1.77	2.65	2.00	2.86	2.05	3.02	2.07	3.35	2.22	3.47	2.16
	22			2.21	1.77	2.64	2.00	2.86	2.05	3.01	2.06	3.31	2.20	3.42	2.14
7	24			2.21	1.77	2.64	2.00	2.86	2.05	3.00	2.06	3.26	2.18	3.37	2.12
(m³/min)	26			2.21	1.77	2.63	1.99	2.84	2.04	2.96	2.04	3.21	2.16	3.32	2.10
	28	2.00	1.74	2.20	1.76	2.62	1.99	2.81	2.03	2.93	2.03	3.16	2.14	3.27	2.08
	30	2.00	1.74	2.20	1.76	2.60	1.98	2.78	2.01	2.89	2.01	3.11	2.13	3.22	2.07
	32	2.00	1.74	2.19	1.76	2.58	1.97	2.75	2.00	2.86	2.00	3.07	2.11	3.17	2.05
	34	2.00	1.74	2.19	1.76	2.57	1.97	2.72	1.99	2.81	1.98	3.00	2.08	3.10	2.03
	35	2.00	1.74	2.18	1.75	2.57	1.97	2.70	1.98	2.79	1.97	2.97	2.07	3.07	2.01
	36	2.00	1.74	2.18	1.75	2.55	1.96	2.69	1.97	2.76	1.96	2.91	2.05	3.01	2.00
	38	2.00	1.74	2.17	1.75	2.51	1.94	2.66	1.96	2.71	1.94	2.81	2.01	2.89	1.96
	39	2.00	1.74	2.17	1.75	2.49	1.93	2.65	1.96	2.68	1.93	2.75	1.99	2.83	1.93
	41	2.00	1.74	2.16	1.75	2.41	1.90	2.54	1.91	2.57	1.88	2.63	1.94	2.70	1.89
	43	2.00	1.74	2.16	1.75	2.34	1.87	2.43	1.87	2.46	1.84	2.51	1.90	2.57	1.85

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	1.75	1.75	1.75	1.75	1.75
	-17.8	-18	1.86	1.86	1.86	1.86	1.86
	-15.7	-16	1.97	1.97	1.97	1.97	1.97
	-13.7	-14	2.08	2.08	2.08	2.08	2.08
	-11.7	-12	2.20	2.20	2.20	2.20	2.20
Hi	-9.6	-10	2.31	2.31	2.31	2.31	2.31
	-7.5	-8	2.45	2.45	2.45	2.45	2.45
7	-5.5	-6	2.59	2.59	2.59	2.59	2.59
(m³/min)	-3.4	-4	2.68	2.68	2.67	2.65	2.62
	-1.3	-2	2.77	2.76	2.75	2.70	2.65
	0.8	0	2.92	2.88	2.84	2.74	2.63
	3.9	3	3.17	3.06	2.94	2.78	2.61
	7.0	6	3.46	3.24	3.01	2.80	2.59
	10.1	9	3.44	3.22	3.00	2.78	2.57
	13.2	12	3.42	3.20	2.98	2.76	2.54
	16.9	15.5	3.39	3.17	2.95	2.74	2.52

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			2.12	1.67	2.54	1.90	2.75	1.94	2.92	1.97	3.27	2.12	3.40	2.06
	12			2.12	1.67	2.54	1.90	2.75	1.94	2.92	1.97	3.26	2.11	3.38	2.06
	14			2.12	1.67	2.54	1.90	2.75	1.94	2.91	1.96	3.25	2.11	3.37	2.05
	16			2.12	1.67	2.54	1.90	2.75	1.94	2.91	1.96	3.24	2.11	3.35	2.05
	18			2.12	1.67	2.54	1.90	2.75	1.94	2.91	1.96	3.22	2.10	3.34	2.04
Me	20			2.12	1.67	2.54	1.90	2.75	1.94	2.90	1.96	3.21	2.10	3.32	2.04
	22			2.12	1.67	2.54	1.90	2.75	1.94	2.89	1.95	3.17	2.08	3.28	2.02
6.5	24			2.12	1.67	2.54	1.90	2.75	1.94	2.87	1.95	3.13	2.07	3.23	2.01
(m³/min)	26			2.12	1.67	2.52	1.89	2.72	1.93	2.84	1.93	3.08	2.05	3.18	1.99
	28	1.92	1.65	2.11	1.67	2.51	1.88	2.69	1.92	2.81	1.92	3.03	2.03	3.13	1.97
	30	1.92	1.65	2.11	1.67	2.49	1.87	2.67	1.91	2.77	1.91	2.99	2.01	3.09	1.96
	32	1.92	1.65	2.10	1.66	2.47	1.87	2.64	1.89	2.74	1.89	2.94	1.99	3.04	1.94
	34	1.92	1.65	2.10	1.66	2.46	1.86	2.61	1.88	2.70	1.88	2.88	1.97	2.98	1.92
	35	1.92	1.65	2.09	1.66	2.46	1.86	2.59	1.87	2.68	1.87	2.85	1.96	2.95	1.91
	36	1.92	1.65	2.09	1.66	2.44	1.85	2.58	1.87	2.65	1.85	2.80	1.94	2.89	1.89
	38	1.92	1.65	2.08	1.65	2.40	1.83	2.55	1.86	2.60	1.84	2.69	1.90	2.77	1.85
	39	1.92	1.65	2.08	1.65	2.39	1.83	2.54	1.85	2.57	1.82	2.64	1.88	2.72	1.83
	41	1.92	1.65	2.08	1.65	2.31	1.80	2.43	1.81	2.46	1.78	2.53	1.84	2.59	1.78
	43	1.92	1.65	2.07	1.65	2.24	1.76	2.33	1.76	2.36	1.74	2.41	1.79	2.46	1.74

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	1.66	1.66	1.66	1.66	1.66
	-17.8	-18	1.77	1.77	1.77	1.77	1.77
	-15.7	-16	1.87	1.87	1.87	1.87	1.87
	-13.7	-14	1.98	1.98	1.98	1.98	1.98
	-11.7	-12	2.09	2.09	2.09	2.09	2.09
Me	-9.6	-10	2.19	2.19	2.19	2.19	2.19
	-7.5	-8	2.33	2.33	2.33	2.33	2.33
6.5	-5.5	-6	2.46	2.46	2.46	2.46	2.46
(m³/min)	-3.4	-4	2.55	2.54	2.54	2.51	2.49
	-1.3	-2	2.63	2.62	2.62	2.57	2.52
	0.8	0	2.77	2.73	2.70	2.60	2.50
	3.9	3	3.01	2.90	2.80	2.64	2.48
	7.0	6	3.29	3.07	2.86	2.66	2.46
	10.1	9	3.27	3.06	2.85	2.64	2.44
	13.2	12	3.25	3.04	2.83	2.62	2.42
	16.9	15.5	3.22	3.01	2.81	2.60	2.39

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			1.95	1.56	2.33	1.76	2.52	1.80	2.68	1.82	3.01	1.97	3.12	1.92
	12			1.95	1.56	2.33	1.76	2.52	1.80	2.68	1.82	3.00	1.97	3.11	1.92
	14			1.95	1.56	2.33	1.76	2.52	1.80	2.68	1.82	2.98	1.96	3.09	1.91
	16			1.95	1.56	2.33	1.76	2.52	1.80	2.67	1.81	2.97	1.96	3.08	1.90
	18			1.95	1.56	2.33	1.76	2.52	1.80	2.67	1.81	2.96	1.95	3.07	1.90
Lo	20			1.95	1.56	2.33	1.76	2.52	1.80	2.67	1.81	2.95	1.95	3.05	1.89
	22			1.95	1.56	2.33	1.76	2.52	1.80	2.65	1.81	2.91	1.93	3.01	1.88
6	24			1.95	1.56	2.33	1.76	2.52	1.80	2.64	1.80	2.88	1.92	2.97	1.86
(m³/min)	26			1.94	1.55	2.32	1.75	2.50	1.79	2.61	1.79	2.83	1.90	2.93	1.85
	28	1.76	1.53	1.94	1.55	2.31	1.75	2.48	1.78	2.58	1.78	2.79	1.89	2.88	1.83
	30	1.76	1.53	1.94	1.55	2.29	1.74	2.45	1.77	2.55	1.77	2.74	1.86	2.84	1.81
	32	1.76	1.53	1.93	1.54	2.27	1.73	2.43	1.76	2.52	1.76	2.70	1.85	2.79	1.80
	34	1.76	1.53	1.93	1.54	2.26	1.73	2.40	1.75	2.48	1.74	2.64	1.83	2.74	1.78
	35	1.76	1.53	1.92	1.54	2.26	1.73	2.38	1.74	2.46	1.73	2.62	1.82	2.71	1.77
	36	1.76	1.53	1.92	1.54	2.24	1.72	2.37	1.74	2.44	1.73	2.57	1.80	2.65	1.75
	38	1.76	1.53	1.92	1.54	2.21	1.71	2.34	1.72	2.39	1.71	2.48	1.77	2.55	1.72
	39	1.76	1.53	1.91	1.54	2.19	1.70	2.33	1.72	2.36	1.69	2.43	1.75	2.50	1.70
	41	1.76	1.53	1.91	1.54	2.13	1.67	2.24	1.68	2.26	1.65	2.32	1.71	2.38	1.66
	43	1.76	1.53	1.90	1.53	2.06	1.64	2.14	1.64	2.17	1.62	2.21	1.67	2.26	1.62

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	1.54	1.54	1.54	1.54	1.54
	-17.8	-18	1.64	1.64	1.64	1.64	1.64
	-15.7	-16	1.74	1.74	1.74	1.74	1.74
	-13.7	-14	1.84	1.84	1.84	1.84	1.84
	-11.7	-12	1.94	1.94	1.94	1.94	1.94
Lo	-9.6	-10	2.04	2.04	2.04	2.04	2.04
	-7.5	-8	2.16	2.16	2.16	2.16	2.16
6	-5.5	-6	2.29	2.29	2.29	2.29	2.29
(m³/min)	-3.4	-4	2.37	2.36	2.36	2.34	2.31
	-1.3	-2	2.45	2.44	2.43	2.39	2.34
	0.8	0	2.58	2.54	2.51	2.42	2.33
	3.9	3	2.80	2.70	2.60	2.45	2.31
	7.0	6	3.06	2.86	2.66	2.47	2.29
	10.1	9	3.04	2.84	2.65	2.46	2.27
	13.2	12	3.02	2.83	2.63	2.44	2.25
	16.9	15.5	3.00	2.80	2.61	2.42	2.22

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJC001Z335

Model FDUH36KXE6F Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
P-Hi 8.5 (m³/min)	10			2.95	2.27	3.53	2.58	3.82	2.65	4.06	2.68	4.55	2.89	4.72	2.81
	12			2.95	2.27	3.53	2.58	3.82	2.65	4.05	2.68	4.53	2.88	4.70	2.81
	14			2.95	2.27	3.53	2.58	3.82	2.65	4.05	2.68	4.51	2.88	4.68	2.80
	16			2.95	2.27	3.53	2.58	3.82	2.65	4.04	2.68	4.50	2.87	4.66	2.79
	18			2.95	2.27	3.53	2.58	3.82	2.65	4.04	2.68	4.48	2.87	4.64	2.79
	20			2.95	2.27	3.53	2.58	3.82	2.65	4.03	2.67	4.47	2.86	4.62	2.78
	22			2.95	2.27	3.53	2.58	3.82	2.65	4.01	2.66	4.41	2.84	4.56	2.76
	24			2.94	2.27	3.52	2.58	3.82	2.65	3.99	2.66	4.35	2.82	4.49	2.73
	26			2.94	2.27	3.51	2.57	3.78	2.63	3.95	2.64	4.28	2.79	4.43	2.71
	28	2.66	2.24	2.94	2.27	3.49	2.57	3.74	2.61	3.90	2.62	4.22	2.76	4.36	2.68
	30	2.66	2.24	2.93	2.27	3.47	2.55	3.71	2.60	3.86	2.60	4.15	2.74	4.29	2.66
	32	2.66	2.24	2.92	2.26	3.44	2.54	3.67	2.58	3.81	2.58	4.09	2.71	4.23	2.64
	34	2.66	2.24	2.91	2.26	3.43	2.54	3.62	2.56	3.75	2.55	4.00	2.68	4.14	2.60
	35	2.66	2.24	2.91	2.26	3.42	2.53	3.60	2.55	3.72	2.54	3.96	2.66	4.09	2.59
	36	2.66	2.24	2.91	2.26	3.39	2.52	3.58	2.54	3.68	2.53	3.89	2.64	4.02	2.56
	38	2.66	2.24	2.90	2.25	3.34	2.50	3.55	2.53	3.61	2.50	3.74	2.58	3.86	2.51
	39	2.66	2.24	2.89	2.25	3.32	2.49	3.53	2.52	3.58	2.48	3.67	2.55	3.78	2.47
	41	2.66	2.24	2.88	2.24	3.22	2.44	3.38	2.46	3.43	2.42	3.51	2.48	3.60	2.41
	43	2.66	2.24	2.87	2.24	3.12	2.40	3.24	2.39	3.28	2.36	3.35	2.43	3.42	2.36

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 8.5 (m³/min)	-19.8	-20	2.32	2.32	2.32	2.32	2.32
	-17.8	-18	2.47	2.47	2.47	2.47	2.47
	-15.7	-16	2.62	2.62	2.62	2.62	2.62
	-13.7	-14	2.77	2.77	2.77	2.77	2.77
	-11.7	-12	2.92	2.92	2.92	2.92	2.92
	-9.6	-10	3.07	3.07	3.07	3.07	3.07
	-7.5	-8	3.25	3.25	3.25	3.25	3.25
	-5.5	-6	3.44	3.44	3.44	3.44	3.44
	-3.4	-4	3.56	3.56	3.55	3.52	3.48
	-1.3	-2	3.68	3.67	3.66	3.59	3.52
	0.8	0	3.88	3.83	3.77	3.64	3.50
	3.9	3	4.21	4.06	3.91	3.69	3.47
	7.0	6	4.60	4.30	4.00	3.72	3.44
	10.1	9	4.57	4.28	3.99	3.70	3.41
	13.2	12	4.54	4.25	3.96	3.67	3.38
	16.9	15.5	4.51	4.22	3.93	3.64	3.35

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Hi 7 (m³/min)	10			2.80	2.06	3.35	2.34	3.63	2.41	3.86	2.45	4.32	2.64	4.49	2.56
	12			2.80	2.06	3.35	2.34	3.63	2.41	3.85	2.44	4.30	2.63	4.47	2.56
	14			2.80	2.06	3.35	2.34	3.63	2.41	3.85	2.44	4.29	2.62	4.45	2.54
	16			2.80	2.06	3.35	2.34	3.63	2.41	3.84	2.44	4.27	2.61	4.43	2.54
	18			2.80	2.06	3.35	2.34	3.63	2.41	3.84	2.44	4.26	2.61	4.41	2.53
	20			2.80	2.06	3.35	2.34	3.63	2.41	3.83	2.43	4.24	2.60	4.39	2.52
	22			2.80	2.06	3.35	2.34	3.63	2.41	3.81	2.43	4.19	2.58	4.33	2.50
	24			2.80	2.06	3.35	2.34	3.63	2.41	3.80	2.42	4.13	2.55	4.27	2.47
	26			2.79	2.05	3.33	2.33	3.59	2.39	3.75	2.40	4.07	2.53	4.20	2.44
	28	2.53	2.02	2.79	2.05	3.32	2.32	3.56	2.38	3.71	2.38	4.00	2.50	4.14	2.42
	30	2.53	2.02	2.78	2.05	3.29	2.31	3.52	2.36	3.66	2.36	3.94	2.47	4.08	2.40
	32	2.53	2.02	2.78	2.05	3.27	2.30	3.49	2.34	3.62	2.34	3.88	2.45	4.01	2.38
	34	2.53	2.02	2.77	2.04	3.25	2.29	3.44	2.32	3.56	2.31	3.80	2.42	3.93	2.35
	35	2.53	2.02	2.76	2.04	3.25	2.29	3.42	2.31	3.53	2.30	3.76	2.40	3.89	2.33
	36	2.53	2.02	2.76	2.04	3.22	2.28	3.40	2.30	3.50	2.29	3.69	2.37	3.81	2.30
	38	2.53	2.02	2.75	2.04	3.18	2.26	3.37	2.29	3.43	2.26	3.56	2.32	3.66	2.25
	39	2.53	2.02	2.75	2.04	3.15	2.25	3.35	2.28	3.40	2.24	3.49	2.29	3.59	2.22
	41	2.53	2.02	2.74	2.03	3.06	2.20	3.21	2.22	3.25	2.18	3.33	2.23	3.42	2.16
	43	2.53	2.02	2.73	2.03	2.96	2.15	3.08	2.16	3.11	2.11	3.18	2.16	3.25	2.09

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 7 (m³/min)	-19.8	-20	2.22	2.22	2.22	2.22	2.22
	-17.8	-18	2.36	2.36	2.36	2.36	2.36
	-15.7	-16	2.51	2.51	2.51	2.51	2.51
	-13.7	-14	2.65	2.65	2.65	2.65	2.65
	-11.7	-12	2.79	2.79	2.79	2.79	2.79
	-9.6	-10	2.94	2.94	2.94	2.94	2.94
	-7.5	-8	3.12	3.12	3.12	3.12	3.12
	-5.5	-6	3.29	3.29	3.29	3.29	3.29
	-3.4	-4	3.41	3.40	3.40	3.37	3.33
	-1.3	-2	3.52	3.51	3.50	3.44	3.37
	0.8	0	3.72	3.66	3.61	3.48	3.35
	3.9	3	4.03	3.89	3.74	3.53	3.32
	7.0	6	4.40	4.12	3.83	3.56	3.29
	10.1	9	4.38	4.10	3.82	3.54	3.27
	13.2	12	4.35	4.07	3.79	3.51	3.24
	16.9	15.5	4.31	4.04	3.76	3.48	3.20

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Me 6.5 (m³/min)	10			2.69	1.95	3.21	2.22	3.48	2.29	3.70	2.33	4.14	2.51	4.30	2.43
	12			2.69	1.95	3.21	2.22	3.48	2.29	3.69	2.32	4.13	2.50	4.28	2.42
	14			2.69	1.95	3.21	2.22	3.48	2.29	3.69	2.32	4.11	2.49	4.27	2.42
	16			2.69	1.95	3.21	2.22	3.48	2.29	3.68	2.32	4.10	2.49	4.25	2.41
	18			2.69	1.95	3.21	2.22	3.48	2.29	3.68	2.32	4.08	2.48	4.23	2.40
	20			2.69	1.95	3.21	2.22	3.48	2.29	3.67	2.31	4.07	2.47	4.21	2.40
	22			2.68	1.95	3.21	2.22	3.48	2.29	3.66	2.31	4.02	2.45	4.15	2.37
	24			2.68	1.95	3.21	2.22	3.48	2.29	3.64	2.29	3.97	2.43	4.09	2.35
	26			2.68	1.95	3.20	2.21	3.44	2.27	3.60	2.28	3.90	2.40	4.03	2.32
	28	2.43	1.92	2.68	1.95	3.18	2.20	3.41	2.26	3.55	2.26	3.84	2.37	3.97	2.29
	30	2.43	1.92	2.67	1.94	3.16	2.19	3.38	2.24	3.51	2.24	3.78	2.35	3.91	2.27
	32	2.43	1.92	2.66	1.94	3.13	2.18	3.35	2.23	3.47	2.22	3.72	2.32	3.85	2.25
	34	2.43	1.92	2.65	1.93	3.12	2.17	3.30	2.20	3.42	2.20	3.64	2.29	3.77	2.22
	35	2.43	1.92	2.65	1.93	3.12	2.17	3.28	2.20	3.39	2.19	3.61	2.28	3.73	2.21
	36	2.43	1.92	2.65	1.93	3.09	2.16	3.26	2.18	3.36	2.17	3.54	2.25	3.66	2.18
	38	2.43	1.92	2.64	1.93	3.05	2.14	3.23	2.17	3.29	2.14	3.41	2.20	3.51	2.13
	39	2.43	1.92	2.64	1.93	3.02	2.13	3.21	2.16	3.26	2.13	3.35	2.17	3.44	2.10
	41	2.43	1.92	2.63	1.92	2.93	2.09	3.08	2.10	3.12	2.07	3.20	2.11	3.28	2.04
	43	2.43	1.92	2.62	1.92	2.84	2.05	2.95	2.04	2.98	2.01	3.05	2.05	3.12	1.98

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 6.5 (m³/min)	-19.8	-20	2.11	2.11	2.11	2.11	2.11
	-17.8	-18	2.24	2.24	2.24	2.24	2.24
	-15.7	-16	2.38	2.38	2.38	2.38	2.38
	-13.7	-14	2.51	2.51	2.51	2.51	2.51
	-11.7	-12	2.65	2.65	2.65	2.65	2.65
	-9.6	-10	2.78	2.78	2.78	2.78	2.78
	-7.5	-8	2.95	2.95	2.95	2.95	2.95
	-5.5	-6	3.12	3.12	3.12	3.12	3.12
	-3.4	-4	3.23	3.23	3.22	3.19	3.16
	-1.3	-2	3.34	3.33	3.32	3.26	3.19
	0.8	0	3.52	3.47	3.42	3.30	3.18
	3.9	3	3.82	3.68	3.55	3.35	3.15
	7.0	6	4.17	3.90	3.63	3.38	3.12
	10.1	9	4.15	3.88	3.62	3.36	3.09
	13.2	12	4.12	3.86	3.59	3.33	3.07
	16.9	15.5	4.09	3.83	3.56	3.30	3.04

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Lo 6 (m³/min)	10			2.42	1.77	2.89	2.01	3.13	2.07	3.33	2.11	3.73	2.27	3.87	2.20
	12			2.42	1.77	2.89	2.01	3.13	2.07	3.32	2.10	3.71	2.26	3.85	2.20
	14			2.42	1.77	2.89	2.01	3.13	2.07	3.32	2.10	3.70	2.26	3.84	2.19
	16			2.42	1.77	2.89	2.01	3.13	2.07	3.31	2.10	3.69	2.26	3.82	2.19
	18			2.42	1.77	2.89	2.01	3.13	2.07	3.31	2.10	3.67	2.25	3.80	2.18
	20			2.42	1.77	2.89	2.01	3.13	2.07	3.30	2.09	3.66	2.24	3.79	2.17
	22			2.41	1.77	2.89	2.01	3.13	2.07	3.29	2.09	3.61	2.22	3.73	2.15
	24			2.41	1.77	2.89	2.01	3.13	2.07	3.27	2.08	3.57	2.20	3.68	2.12
	26			2.41	1.77	2.87	2.00	3.10	2.06	3.24	2.07	3.51	2.18	3.63	2.11
	28	2.18	1.74	2.41	1.77	2.86	2.00	3.07	2.04	3.20	2.05	3.45	2.15	3.57	2.08
	30	2.18	1.74	2.40	1.76	2.84	1.99	3.04	2.03	3.16	2.03	3.40	2.13	3.52	2.07
	32	2.18	1.74	2.40	1.76	2.82	1.98	3.01	2.02	3.12	2.01	3.35	2.11	3.46	2.04
	34	2.18	1.74	2.39	1.76	2.81	1.97	2.97	2.00	3.07	1.99	3.28	2.08	3.39	2.02
	35	2.18	1.74	2.38	1.75	2.80	1.97	2.95	1.99	3.05	1.98	3.24	2.07	3.36	2.01
	36	2.18	1.74	2.38	1.75	2.78	1.96	2.94	1.98	3.02	1.97	3.18	2.04	3.29	1.98
	38	2.18	1.74	2.37	1.75	2.74	1.94	2.91	1.97	2.96	1.94	3.07	2.00	3.16	1.93
	39	2.18	1.74	2.37	1.75	2.72	1.93	2.89	1.96	2.93	1.93	3.01	1.97	3.09	1.91
	41	2.18	1.74	2.36	1.75	2.64	1.90	2.77	1.91	2.81	1.88	2.88	1.92	2.95	1.86
	43	2.18	1.74	2.36	1.75	2.56	1.86	2.66	1.86	2.68	1.82	2.74	1.86	2.80	1.80

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 6 (m³/min)	-19.8	-20	1.88	1.88	1.88	1.88	1.88
	-17.8	-18	2.00	2.00	2.00	2.00	2.00
	-15.7	-16	2.12	2.12	2.12	2.12	2.12
	-13.7	-14	2.24	2.24	2.24	2.24	2.24
	-11.7	-12	2.36	2.36	2.36	2.36	2.36
	-9.6	-10	2.48	2.48	2.48	2.48	2.48
	-7.5	-8	2.64	2.64	2.64	2.64	2.64
	-5.5	-6	2.79	2.79	2.79	2.79	2.79
	-3.4	-4	2.88	2.88	2.88	2.85	2.82
	-1.3	-2	2.98	2.97	2.96	2.91	2.85
	0.8	0	3.14	3.10	3.05	2.94	2.84
	3.9	3	3.41	3.29	3.17	2.99	2.81
	7.0	6	3.73	3.48	3.24	3.01	2.79
	10.1	9	3.70	3.46	3.23	2.99	2.76
	13.2	12	3.68	3.44	3.21	2.97	2.74
	16.9	15.5	3.65	3.41	3.18	2.94	2.71

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PJC001Z335

(j) Wall mounted type (FDK)

Model FDK22KXE6F

Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi 11 (m³/min)	10			1.80	1.73	2.16	2.07	2.33	2.24	2.48	2.38	2.78	2.67	2.89	2.70
	12			1.80	1.73	2.16	2.07	2.33	2.24	2.48	2.38	2.77	2.66	2.87	2.69
	14			1.80	1.73	2.16	2.07	2.33	2.24	2.47	2.37	2.76	2.65	2.86	2.69
	16			1.80	1.73	2.16	2.07	2.33	2.24	2.47	2.37	2.75	2.64	2.85	2.68
	18			1.80	1.73	2.16	2.07	2.33	2.24	2.47	2.37	2.74	2.63	2.84	2.68
	20			1.80	1.73	2.16	2.07	2.33	2.24	2.46	2.36	2.73	2.62	2.82	2.68
	22			1.80	1.73	2.15	2.06	2.33	2.24	2.45	2.35	2.69	2.58	2.78	2.66
	24			1.80	1.73	2.15	2.06	2.33	2.24	2.44	2.34	2.66	2.55	2.75	2.64
	26			1.80	1.73	2.14	2.05	2.31	2.22	2.41	2.31	2.62	2.52	2.70	2.59
	28	1.63	1.56	1.80	1.73	2.13	2.04	2.29	2.20	2.38	2.28	2.58	2.48	2.66	2.55
	30	1.63	1.56	1.79	1.72	2.12	2.04	2.27	2.18	2.36	2.27	2.54	2.44	2.62	2.52
	32	1.63	1.56	1.79	1.72	2.10	2.02	2.24	2.15	2.33	2.24	2.50	2.40	2.58	2.48
	34	1.63	1.56	1.78	1.71	2.09	2.01	2.21	2.12	2.29	2.20	2.44	2.34	2.53	2.43
	35	1.63	1.56	1.78	1.71	2.09	2.01	2.20	2.11	2.27	2.18	2.42	2.32	2.50	2.40
	36	1.63	1.56	1.78	1.71	2.07	1.99	2.19	2.10	2.25	2.16	2.37	2.28	2.45	2.35
	38	1.63	1.56	1.77	1.70	2.04	1.96	2.17	2.08	2.21	2.12	2.29	2.20	2.36	2.27
	39	1.63	1.56	1.77	1.70	2.03	1.95	2.16	2.07	2.19	2.10	2.24	2.15	2.31	2.22
	41	1.63	1.56	1.76	1.69	1.97	1.89	2.07	1.99	2.09	2.01	2.14	2.05	2.20	2.11
	43	1.63	1.56	1.76	1.69	1.91	1.83	1.98	1.90	2.00	1.92	2.05	1.97	2.09	2.01

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 11 (m³/min)	-19.8	-20	1.45	1.45	1.45	1.45	1.45
	-17.8	-18	1.54	1.54	1.54	1.54	1.54
	-15.7	-16	1.64	1.64	1.64	1.64	1.64
	-13.7	-14	1.73	1.73	1.73	1.73	1.73
	-11.7	-12	1.82	1.82	1.82	1.82	1.82
	-9.6	-10	1.92	1.92	1.92	1.92	1.92
	-7.5	-8	2.03	2.03	2.03	2.03	2.03
	-5.5	-6	2.15	2.15	2.15	2.15	2.15
	-3.4	-4	2.23	2.22	2.22	2.20	2.18
	-1.3	-2	2.30	2.29	2.29	2.24	2.20
	0.8	0	2.43	2.39	2.36	2.27	2.19
	3.9	3	2.63	2.54	2.44	2.31	2.17
	7.0	6	2.88	2.69	2.50	2.33	2.15
	10.1	9	2.86	2.67	2.49	2.31	2.13
	13.2	12	2.84	2.66	2.48	2.29	2.11
	16.9	15.5	2.82	2.63	2.45	2.27	2.09

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi 8 (m³/min)	10			1.76	1.69	2.11	2.02	2.28	2.05	2.42	2.06	2.72	2.24	2.82	2.19
	12			1.76	1.69	2.11	2.02	2.28	2.05	2.42	2.06	2.71	2.24	2.81	2.19
	14			1.76	1.69	2.11	2.02	2.28	2.05	2.42	2.06	2.70	2.23	2.80	2.19
	16			1.76	1.69	2.11	2.02	2.28	2.05	2.41	2.06	2.69	2.23	2.78	2.18
	18			1.76	1.69	2.11	2.02	2.28	2.05	2.41	2.06	2.68	2.23	2.77	2.18
	20			1.76	1.69	2.11	2.02	2.28	2.05	2.41	2.06	2.67	2.22	2.76	2.17
	22			1.76	1.69	2.11	2.02	2.28	2.05	2.40	2.05	2.63	2.21	2.72	2.16
	24			1.76	1.69	2.11	2.02	2.28	2.05	2.39	2.05	2.60	2.20	2.68	2.15
	26			1.76	1.69	2.10	2.01	2.26	2.04	2.36	2.04	2.56	2.19	2.64	2.14
	28	1.59	1.53	1.75	1.68	2.09	2.01	2.24	2.03	2.33	2.03	2.52	2.17	2.60	2.13
	30	1.59	1.53	1.75	1.68	2.07	1.99	2.21	2.02	2.30	2.02	2.48	2.16	2.56	2.11
	32	1.59	1.53	1.75	1.68	2.05	1.97	2.19	2.01	2.28	2.01	2.44	2.15	2.52	2.10
	34	1.59	1.53	1.74	1.67	2.05	1.97	2.16	2.00	2.24	2.00	2.39	2.13	2.47	2.09
	35	1.59	1.53	1.74	1.67	2.04	1.96	2.15	2.00	2.22	1.99	2.36	2.12	2.45	2.08
	36	1.59	1.53	1.74	1.67	2.03	1.95	2.14	1.99	2.20	1.98	2.32	2.11	2.40	2.06
	38	1.59	1.53	1.73	1.66	2.00	1.92	2.12	1.99	2.16	1.97	2.24	2.08	2.30	2.03
	39	1.59	1.53	1.73	1.66	1.98	1.90	2.11	1.98	2.14	1.96	2.19	2.06	2.26	2.02
	41	1.59	1.53	1.72	1.65	1.92	1.84	2.02	1.94	2.05	1.93	2.10	2.02	2.15	1.99
	43	1.59	1.53	1.72	1.65	1.86	1.79	1.94	1.86	1.96	1.88	2.00	1.92	2.04	1.96

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 8 (m³/min)	-19.8	-20	1.38	1.38	1.38	1.38	1.38
	-17.8	-18	1.47	1.47	1.47	1.47	1.47
	-15.7	-16	1.56	1.56	1.56	1.56	1.56
	-13.7	-14	1.65	1.65	1.65	1.65	1.65
	-11.7	-12	1.74	1.74	1.74	1.74	1.74
	-9.6	-10	1.82	1.82	1.82	1.82	1.82
	-7.5	-8	1.94	1.94	1.94	1.94	1.94
	-5.5	-6	2.05	2.05	2.05	2.05	2.05
	-3.4	-4	2.12	2.12	2.11	2.09	2.07
	-1.3	-2	2.19	2.18	2.18	2.14	2.09
	0.8	0	2.31	2.28	2.24	2.16	2.08
	3.9	3	2.50	2.42	2.33	2.20	2.06
	7.0	6	2.74	2.56	2.38	2.21	2.05
	10.1	9	2.72	2.55	2.37	2.20	2.03
	13.2	12	2.70	2.53	2.36	2.18	2.01
	16.9	15.5	2.68	2.51	2.34	2.16	1.99

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me 7 (m³/min)	10			1.66	1.59	1.99	1.81	2.15	1.84	2.29	1.86	2.56	2.01	2.66	1.97
	12			1.66	1.59	1.99	1.81	2.15	1.84	2.29	1.86	2.56	2.01	2.65	1.96
	14			1.66	1.59	1.99	1.81	2.15	1.84	2.28	1.85	2.55	2.01	2.64	1.96
	16			1.66	1.59	1.99	1.81	2.15	1.84	2.28	1.85	2.54	2.00	2.63	1.96
	18			1.66	1.59	1.99	1.81	2.15	1.84	2.28	1.85	2.53	2.00	2.62	1.96
	20			1.66	1.59	1.99	1.81	2.15	1.84	2.27	1.85	2.52	2.00	2.61	1.95
	22			1.66	1.59	1.99	1.81	2.15	1.84	2.26	1.85	2.49	1.99	2.57	1.94
	24			1.66	1.59	1.99	1.81	2.15	1.84	2.25	1.84	2.45	1.97	2.53	1.93
	26			1.66	1.59	1.98	1.81	2.13	1.83	2.23	1.84	2.42	1.96	2.50	1.92
	28	1.50	1.44	1.66	1.59	1.97	1.80	2.11	1.82	2.20	1.82	2.38	1.95	2.46	1.91
	30	1.50	1.44	1.65	1.58	1.95	1.79	2.09	1.82	2.17	1.81	2.34	1.94	2.42	1.89
	32	1.50	1.44	1.65	1.58	1.94	1.79	2.07	1.81	2.15	1.81	2.30	1.92	2.38	1.88
	34	1.50	1.44	1.64	1.57	1.93	1.78	2.04	1.80	2.11	1.79	2.26	1.91	2.33	1.87
	35	1.50	1.44	1.64	1.57	1.93	1.78	2.03	1.79	2.10	1.79	2.23	1.90	2.31	1.86
	36	1.50	1.44	1.64	1.57	1.91	1.78	2.02	1.79	2.08	1.78	2.19	1.89	2.26	1.84
	38	1.50	1.44	1.63	1.56	1.88	1.77	2.00	1.78	2.04	1.77	2.11	1.86	2.17	1.82
	39	1.50	1.44	1.63	1.56	1.87	1.76	1.99	1.78	2.02	1.76	2.07	1.85	2.13	1.80
	41	1.50	1.44	1.63	1.56	1.81	1.74	1.91	1.75	1.93	1.72	1.98	1.81	2.03	1.77
	43	1.50	1.44	1.62	1.56	1.76	1.69	1.83	1.72	1.85	1.70	1.89	1.78	1.93	1.74

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 7 (m³/min)	-19.8	-20	1.29	1.29	1.29	1.29	1.29
	-17.8	-18	1.38	1.38	1.38	1.38	1.38
	-15.7	-16	1.46	1.46	1.46	1.46	1.46
	-13.7	-14	1.54	1.54	1.54	1.54	1.54
	-11.7	-12	1.63	1.63	1.63	1.63	1.63
	-9.6	-10	1.71	1.71	1.71	1.71	1.71
	-7.5	-8	1.81	1.81	1.81	1.81	1.81
	-5.5	-6	1.92	1.92	1.92	1.92	1.92
	-3.4	-4	1.98	1.98	1.98	1.96	1.94
	-1.3	-2	2.05	2.05	2.04	2.00	1.96
	0.8	0	2.16	2.13	2.10	2.03	1.95
	3.9	3	2.35	2.26	2.18	2.06	1.93
	7.0	6	2.56	2.40	2.23	2.07	1.92
	10.1	9	2.55	2.38	2.22	2.06	1.90
	13.2	12	2.53	2.37	2.21	2.05	1.88
	16.9	15.5	2.51	2.35	2.19	2.03	1.86

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo 6 (m³/min)	10			1.51	1.42	1.80	1.61	1.95	1.64	2.08	1.65	2.32	1.79	2.41	1.75
	12			1.51	1.42	1.80	1.61	1.95	1.64	2.07	1.65	2.32	1.79	2.40	1.75
	14			1.51	1.42	1.80	1.61	1.95	1.64	2.07	1.65	2.31	1.78	2.39	1.74
	16			1.51	1.42	1.80	1.61	1.95	1.64	2.07	1.65	2.30	1.78	2.38	1.74
	18			1.51	1.42	1.80	1.61	1.95	1.64	2.06	1.65	2.29	1.78	2.37	1.74
	20			1.51	1.42	1.80	1.61	1.95	1.64	2.06	1.65	2.28	1.77	2.36	1.73
	22			1.51	1.42	1.80	1.61	1.95	1.64	2.05	1.64	2.25	1.76	2.33	1.72
	24			1.50	1.42	1.80	1.61	1.95	1.64	2.04	1.64	2.22	1.75	2.30	1.71
	26			1.50	1.42	1.79	1.60	1.93	1.63	2.02	1.63	2.19	1.74	2.26	1.70
	28	1.36	1.31	1.50	1.42	1.78	1.60	1.91	1.62	1.99	1.62	2.15	1.73	2.23	1.69
	30	1.36	1.31	1.50	1.42	1.77	1.59	1.90	1.62	1.97	1.61	2.12	1.72	2.19	1.68
	32	1.36	1.31	1.49	1.42	1.76	1.59	1.88	1.61	1.95	1.61	2.09	1.71	2.16	1.67
	34	1.36	1.31	1.49	1.42	1.75	1.59	1.85	1.60	1.92	1.59	2.04	1.69	2.12	1.65
	35	1.36	1.31	1.49	1.42	1.75	1.59	1.84	1.59	1.90	1.59	2.02	1.69	2.09	1.64
	36	1.36	1.31	1.48	1.41	1.73	1.58	1.83	1.59	1.88	1.58	1.99	1.67	2.05	1.63
	38	1.36	1.31	1.48	1.41	1.71	1.57	1.81	1.58	1.85	1.57	1.91	1.64	1.97	1.60
	39	1.36	1.31	1.48	1.41	1.70	1.57	1.80	1.58	1.83	1.56	1.88	1.63	1.93	1.59
	41	1.36	1.31	1.47	1.41	1.64	1.54	1.73	1.55	1.75	1.53	1.79	1.60	1.84	1.56
	43	1.36	1.31	1.47	1.41	1.59	1.52	1.66	1.52	1.67	1.50	1.71	1.57	1.75	1.53

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 6 (m³/min)	-19.8	-20	1.13	1.13	1.13	1.13	1.13
	-17.8	-18	1.20	1.20	1.20	1.20	1.20
	-15.7	-16	1.28	1.28	1.28	1.28	1.28
	-13.7	-14	1.35	1.35	1.35	1.35	1.35
	-11.7	-12	1.42	1.42	1.42	1.42	1.42
	-9.6	-10	1.50	1.50	1.50	1.50	1.50
	-7.5	-8	1.59	1.59	1.59	1.59	1.59
	-5.5	-6	1.68	1.68	1.68	1.68	1.68
	-3.4	-4	1.74	1.73	1.73	1.71	1.70
	-1.3	-2	1.79	1.79	1.78	1.75	1.72
	0.8	0	1.89	1.86	1.84	1.77	1.71
	3.9	3	2.05	1.98	1.91	1.80	1.69
	7.0	6	2.24	2.10	1.95	1.81	1.68
	10.1	9	2.23	2.09	1.94	1.80	1.66
	13.2	12	2.21	2.07	1.93	1.79	1.65
	16.9	15.5	2.20	2.05	1.91	1.77	1.63

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PHA001Z063

Model **FDK28KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
P-Hi 11 (m³/min)	10			2.30	2.21	2.74	2.63	2.97	2.73	3.16	2.75	3.54	3.00	3.67	2.94
	12			2.30	2.21	2.74	2.63	2.97	2.73	3.15	2.75	3.52	2.99	3.66	2.93
	14			2.30	2.21	2.74	2.63	2.97	2.73	3.15	2.75	3.51	2.99	3.64	2.93
	16			2.30	2.21	2.74	2.63	2.97	2.73	3.14	2.75	3.50	2.98	3.63	2.92
	18			2.30	2.21	2.74	2.63	2.97	2.73	3.14	2.75	3.49	2.98	3.61	2.92
	20			2.30	2.21	2.74	2.63	2.97	2.73	3.14	2.75	3.47	2.97	3.59	2.91
	22			2.29	2.20	2.74	2.63	2.97	2.73	3.12	2.74	3.43	2.96	3.54	2.90
	24			2.29	2.20	2.74	2.63	2.97	2.73	3.11	2.74	3.39	2.95	3.50	2.88
	26			2.29	2.20	2.73	2.62	2.94	2.72	3.07	2.72	3.33	2.93	3.44	2.87
	28	2.07	1.99	2.28	2.19	2.72	2.61	2.91	2.71	3.03	2.71	3.28	2.91	3.39	2.85
	30	2.07	1.99	2.28	2.19	2.70	2.59	2.88	2.70	3.00	2.70	3.23	2.89	3.34	2.83
	32	2.07	1.99	2.27	2.18	2.67	2.56	2.86	2.69	2.96	2.68	3.18	2.87	3.29	2.81
	34	2.07	1.99	2.27	2.18	2.66	2.55	2.82	2.68	2.92	2.67	3.11	2.85	3.22	2.79
	35	2.07	1.99	2.26	2.17	2.66	2.55	2.80	2.67	2.89	2.66	3.08	2.84	3.18	2.78
	36	2.07	1.99	2.26	2.17	2.64	2.53	2.79	2.67	2.86	2.65	3.02	2.82	3.12	2.76
	38	2.07	1.99	2.25	2.16	2.60	2.50	2.76	2.65	2.81	2.63	2.91	2.79	3.00	2.73
	39	2.07	1.99	2.25	2.16	2.58	2.48	2.74	2.63	2.78	2.62	2.86	2.75	2.94	2.71
	41	2.07	1.99	2.24	2.15	2.50	2.40	2.63	2.52	2.66	2.55	2.73	2.62	2.80	2.67
	43	2.07	1.99	2.24	2.15	2.43	2.33	2.52	2.42	2.55	2.45	2.60	2.50	2.66	2.55

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 11 (m³/min)	-19.8	-20	1.86	1.86	1.86	1.86	1.86
	-17.8	-18	1.98	1.98	1.98	1.98	1.98
	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
	-5.5	-6	2.75	2.75	2.75	2.75	2.75
	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Hi 8 (m³/min)	10			2.21	1.97	2.64	2.23	2.85	2.27	3.03	2.29	3.40	2.48	3.53	2.42
	12			2.21	1.97	2.64	2.23	2.85	2.27	3.03	2.29	3.39	2.48	3.51	2.42
	14			2.21	1.97	2.64	2.23	2.85	2.27	3.03	2.29	3.37	2.47	3.50	2.41
	16			2.21	1.97	2.64	2.23	2.85	2.27	3.02	2.29	3.36	2.47	3.48	2.41
	18			2.21	1.97	2.64	2.23	2.85	2.27	3.02	2.29	3.35	2.46	3.47	2.40
	20			2.21	1.97	2.64	2.23	2.85	2.27	3.01	2.28	3.34	2.46	3.45	2.40
	22			2.20	1.97	2.63	2.22	2.85	2.27	3.00	2.28	3.29	2.44	3.41	2.38
	24			2.20	1.97	2.63	2.22	2.85	2.27	2.99	2.28	3.25	2.43	3.36	2.37
	26			2.20	1.97	2.62	2.22	2.82	2.26	2.95	2.26	3.20	2.41	3.31	2.35
	28	1.99	1.91	2.20	1.97	2.61	2.21	2.80	2.25	2.91	2.25	3.15	2.39	3.25	2.33
	30	1.99	1.91	2.19	1.96	2.59	2.21	2.77	2.23	2.88	2.23	3.10	2.37	3.21	2.32
	32	1.99	1.91	2.18	1.96	2.57	2.20	2.74	2.22	2.85	2.22	3.05	2.36	3.16	2.30
	34	1.99	1.91	2.18	1.96	2.56	2.19	2.71	2.21	2.80	2.20	2.99	2.34	3.09	2.28
	35	1.99	1.91	2.17	1.96	2.56	2.19	2.69	2.20	2.78	2.19	2.96	2.33	3.06	2.27
	36	1.99	1.91	2.17	1.96	2.54	2.19	2.68	2.20	2.75	2.18	2.90	2.31	3.00	2.25
	38	1.99	1.91	2.17	1.96	2.50	2.17	2.65	2.19	2.70	2.16	2.80	2.27	2.88	2.21
	39	1.99	1.91	2.16	1.95	2.48	2.16	2.64	2.18	2.67	2.15	2.74	2.25	2.82	2.19
	41	1.99	1.91	2.16	1.95	2.40	2.13	2.53	2.14	2.56	2.11	2.62	2.21	2.69	2.15
	43	1.99	1.91	2.15	1.95	2.33	2.10	2.42	2.10	2.45	2.07	2.50	2.17	2.56	2.11

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 8 (m³/min)	-19.8	-20	1.76	1.76	1.76	1.76	1.76
	-17.8	-18	1.87	1.87	1.87	1.87	1.87
	-15.7	-16	1.98	1.98	1.98	1.98	1.98
	-13.7	-14	2.10	2.10	2.10	2.10	2.10
	-11.7	-12	2.21	2.21	2.21	2.21	2.21
	-9.6	-10	2.32	2.32	2.32	2.32	2.32
	-7.5	-8	2.46	2.46	2.46	2.46	2.46
	-5.5	-6	2.61	2.61	2.61	2.61	2.61
	-3.4	-4	2.70	2.69	2.69	2.66	2.64
	-1.3	-2	2.79	2.78	2.77	2.72	2.67
	0.8	0	2.94	2.90	2.86	2.75	2.65
	3.9	3	3.19	3.08	2.96	2.80	2.63
	7.0	6	3.48	3.26	3.03	2.82	2.61
	10.1	9	3.46	3.24	3.02	2.80	2.58
	13.2	12	3.44	3.22	3.00	2.78	2.56
	16.9	15.5	3.41	3.19	2.97	2.75	2.53

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Me 7 (m³/min)	10			2.12	1.81	2.54	2.05	2.75	2.10	2.92	2.12	3.27	2.29	3.40	2.24
	12			2.12	1.81	2.54	2.05	2.75	2.10	2.92	2.12	3.26	2.29	3.38	2.23
	14			2.12	1.81	2.54	2.05	2.75	2.10	2.91	2.11	3.25	2.28	3.37	2.22
	16			2.12	1.81	2.54	2.05	2.75	2.10	2.91	2.11	3.24	2.28	3.35	2.22
	18			2.12	1.81	2.54	2.05	2.75	2.10	2.91	2.11	3.22	2.27	3.34	2.21
	20			2.12	1.81	2.54	2.05	2.75	2.10	2.90	2.11	3.21	2.27	3.32	2.21
	22			2.12	1.81	2.54	2.05	2.75	2.10	2.89	2.11	3.17	2.25	3.28	2.19
	24			2.12	1.81	2.54	2.05	2.75	2.10	2.87	2.10	3.13	2.24	3.23	2.18
	26			2.12	1.81	2.52	2.05	2.72	2.08	2.84	2.09	3.08	2.22	3.18	2.16
	28	1.92	1.79	2.11	1.81	2.51	2.04	2.69	2.07	2.81	2.08	3.03	2.20	3.13	2.14
	30	1.92	1.79	2.11	1.81	2.49	2.03	2.67	2.06	2.77	2.06	2.99	2.19	3.09	2.13
	32	1.92	1.79	2.10	1.81	2.47	2.03	2.64	2.05	2.74	2.05	2.94	2.17	3.04	2.11
	34	1.92	1.79	2.10	1.81	2.46	2.02	2.61	2.04	2.70	2.03	2.88	2.15	2.98	2.10
	35	1.92	1.79	2.09	1.80	2.46	2.02	2.59	2.03	2.68	2.03	2.85	2.14	2.95	2.09
	36	1.92	1.79	2.09	1.80	2.44	2.01	2.58	2.03	2.65	2.01	2.80	2.12	2.89	2.07
	38	1.92	1.79	2.08	1.80	2.40	2.00	2.55	2.02	2.60	1.99	2.69	2.08	2.77	2.03
	39	1.92	1.79	2.08	1.80	2.39	1.99	2.54	2.01	2.57	1.98	2.64	2.06	2.72	2.01
	41	1.92	1.79	2.08	1.80	2.31	1.96	2.43	1.97	2.46	1.94	2.53	2.02	2.59	1.97
	43	1.92	1.79	2.07	1.79	2.24	1.93	2.33	1.93	2.36	1.90	2.41	1.98	2.46	1.92

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 7 (m³/min)	-19.8	-20	1.66	1.66	1.66	1.66	1.66
	-17.8	-18	1.77	1.77	1.77	1.77	1.77
	-15.7	-16	1.87	1.87	1.87	1.87	1.87
	-13.7	-14	1.98	1.98	1.98	1.98	1.98
	-11.7	-12	2.09	2.09	2.09	2.09	2.09
	-9.6	-10	2.19	2.19	2.19	2.19	2.19
	-7.5	-8	2.33	2.33	2.33	2.33	2.33
	-5.5	-6	2.46	2.46	2.46	2.46	2.46
	-3.4	-4	2.55	2.54	2.54	2.51	2.49
	-1.3	-2	2.63	2.62	2.62	2.57	2.52
	0.8	0	2.77	2.73	2.70	2.60	2.50
	3.9	3	3.01	2.90	2.80	2.64	2.48
	7.0	6	3.29	3.07	2.86	2.66	2.46
	10.1	9	3.27	3.06	2.85	2.64	2.44
	13.2	12	3.25	3.04	2.83	2.62	2.42
	16.9	15.5	3.22	3.01	2.81	2.60	2.39

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Lo 6 (m³/min)	10			1.92	1.61	2.29	1.81	2.48	1.85	2.64	1.88	2.96	2.03	3.07	1.98
	12			1.92	1.61	2.29	1.81	2.48	1.85	2.64	1.88	2.95	2.02	3.06	1.97
	14			1.92	1.61	2.29	1.81	2.48	1.85	2.63	1.87	2.93	2.02	3.04	1.97
	16			1.92	1.61	2.29	1.81	2.48	1.85	2.63	1.87	2.92	2.01	3.03	1.96
	18			1.92	1.61	2.29	1.81	2.48	1.85	2.62	1.87	2.91	2.01	3.02	1.96
	20			1.92	1.61	2.29	1.81	2.48	1.85	2.62	1.87	2.90	2.01	3.00	1.95
	22			1.92	1.61	2.29	1.81	2.48	1.85	2.61	1.86	2.87	1.99	2.96	1.94
	24			1.91	1.60	2.29	1.81	2.48	1.85	2.60	1.86	2.83	1.98	2.92	1.92
	26			1.91	1.60	2.28	1.81	2.46	1.84	2.57	1.85	2.78	1.96	2.88	1.91
	28	1.73	1.58	1.91	1.60	2.27	1.81	2.43	1.83	2.54	1.84	2.74	1.95	2.83	1.89
	30	1.73	1.58	1.90	1.60	2.25	1.80	2.41	1.82	2.51	1.82	2.70	1.93	2.79	1.88
	32	1.73	1.58	1.90	1.60	2.23	1.79	2.39	1.82	2.48	1.81	2.66	1.92	2.75	1.87
	34	1.73	1.58	1.89	1.59	2.23	1.79	2.36	1.80	2.44	1.80	2.60	1.89	2.69	1.85
	35	1.73	1.58	1.89	1.59	2.22	1.78	2.34	1.80	2.42	1.79	2.57	1.88	2.66	1.84
	36	1.73	1.58	1.89	1.59	2.21	1.78	2.33	1.79	2.39	1.78	2.53	1.87	2.61	1.82
	38	1.73	1.58	1.88	1.59	2.17	1.76	2.30	1.78	2.35	1.76	2.43	1.83	2.51	1.79
	39	1.73	1.58	1.88	1.59	2.16	1.76	2.29	1.78	2.32	1.75	2.39	1.82	2.45	1.77
	41	1.73	1.58	1.87	1.58	2.09	1.73	2.20	1.74	2.23	1.72	2.28	1.78	2.34	1.73
	43	1.73	1.58	1.87	1.58	2.03	1.71	2.11	1.70	2.13	1.68	2.18	1.75	2.22	1.69

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 6 (m³/min)	-19.8	-20	1.45	1.45	1.45	1.45	1.45
	-17.8	-18	1.54	1.54	1.54	1.54	1.54
	-15.7	-16	1.64	1.64	1.64	1.64	1.64
	-13.7	-14	1.73	1.73	1.73	1.73	1.73
	-11.7	-12	1.82	1.82	1.82	1.82	1.82
	-9.6	-10	1.92	1.92	1.92	1.92	1.92
	-7.5	-8	2.03	2.03	2.03	2.03	2.03
	-5.5	-6	2.15	2.15	2.15	2.15	2.15
	-3.4	-4	2.23	2.22	2.22	2.20	2.18
	-1.3	-2	2.30	2.29	2.29	2.24	2.20
	0.8	0	2.43	2.39	2.36	2.27	2.19
	3.9	3	2.63	2.54	2.44	2.31	2.17
	7.0	6	2.88	2.69	2.50	2.33	2.15
	10.1	9	2.86	2.67	2.49	2.31	2.13
	13.2	12	2.84	2.66	2.48	2.29	2.11
	16.9	15.5	2.82	2.63	2.45	2.27	2.09

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PHA001Z063

Model **FDK36KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			2.95	2.83	3.53	3.39	3.82	3.62	4.06	3.64	4.55	3.97	4.72	3.89
	12			2.95	2.83	3.53	3.39	3.82	3.62	4.05	3.64	4.53	3.96	4.70	3.88
	14			2.95	2.83	3.53	3.39	3.82	3.62	4.05	3.64	4.51	3.95	4.68	3.87
	16			2.95	2.83	3.53	3.39	3.82	3.62	4.04	3.63	4.50	3.95	4.66	3.87
	18			2.95	2.83	3.53	3.39	3.82	3.62	4.04	3.63	4.48	3.94	4.64	3.86
P-Hi	20			2.95	2.83	3.53	3.39	3.82	3.62	4.03	3.63	4.47	3.94	4.62	3.86
	22			2.95	2.83	3.53	3.39	3.82	3.62	4.01	3.62	4.41	3.92	4.56	3.84
15	24			2.94	2.82	3.52	3.38	3.82	3.62	3.99	3.62	4.35	3.90	4.49	3.82
(m³/min)	26			2.94	2.82	3.51	3.37	3.78	3.60	3.95	3.60	4.28	3.88	4.43	3.80
	28	2.66	2.55	2.94	2.82	3.49	3.35	3.74	3.59	3.90	3.58	4.22	3.86	4.36	3.78
	30	2.66	2.55	2.93	2.81	3.47	3.33	3.71	3.56	3.86	3.57	4.15	3.84	4.29	3.76
	32	2.66	2.55	2.92	2.80	3.44	3.30	3.67	3.52	3.81	3.55	4.09	3.82	4.23	3.74
	34	2.66	2.55	2.91	2.79	3.43	3.29	3.62	3.48	3.75	3.53	4.00	3.79	4.14	3.71
	35	2.66	2.55	2.91	2.79	3.42	3.28	3.60	3.46	3.72	3.52	3.96	3.78	4.09	3.70
	36	2.66	2.55	2.91	2.79	3.39	3.25	3.58	3.44	3.68	3.51	3.89	3.73	4.02	3.68
	38	2.66	2.55	2.90	2.78	3.34	3.21	3.55	3.41	3.61	3.47	3.74	3.59	3.86	3.62
	39	2.66	2.55	2.89	2.77	3.32	3.19	3.53	3.39	3.58	3.44	3.67	3.52	3.78	3.60
	41	2.66	2.55	2.88	2.76	3.22	3.09	3.38	3.24	3.43	3.29	3.51	3.37	3.60	3.46
	43	2.66	2.55	2.87	2.76	3.12	3.00	3.24	3.11	3.28	3.15	3.35	3.22	3.42	3.28

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	2.32	2.32	2.32	2.32	2.32
	-17.8	-18	2.47	2.47	2.47	2.47	2.47
	-15.7	-16	2.62	2.62	2.62	2.62	2.62
	-13.7	-14	2.77	2.77	2.77	2.77	2.77
	-11.7	-12	2.92	2.92	2.92	2.92	2.92
P-Hi	-9.6	-10	3.07	3.07	3.07	3.07	3.07
	-7.5	-8	3.25	3.25	3.25	3.25	3.25
15	-5.5	-6	3.44	3.44	3.44	3.44	3.44
(m³/min)	-3.4	-4	3.56	3.56	3.55	3.52	3.48
	-1.3	-2	3.68	3.67	3.66	3.59	3.52
	0.8	0	3.88	3.83	3.77	3.64	3.50
	3.9	3	4.21	4.06	3.91	3.69	3.47
	7.0	6	4.60	4.30	4.00	3.72	3.44
	10.1	9	4.57	4.28	3.99	3.70	3.41
	13.2	12	4.54	4.25	3.96	3.67	3.38
	16.9	15.5	4.51	4.22	3.93	3.64	3.35

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			2.85	2.48	3.41	2.80	3.69	2.86	3.92	2.89	4.40	3.13	4.56	3.05
	12			2.85	2.48	3.41	2.80	3.69	2.86	3.92	2.89	4.38	3.12	4.54	3.04
	14			2.85	2.48	3.41	2.80	3.69	2.86	3.91	2.88	4.36	3.11	4.53	3.04
	16			2.85	2.48	3.41	2.80	3.69	2.86	3.91	2.88	4.35	3.11	4.51	3.03
	18			2.85	2.48	3.41	2.80	3.69	2.86	3.90	2.88	4.33	3.10	4.49	3.02
Hi	20			2.85	2.48	3.41	2.80	3.69	2.86	3.90	2.88	4.32	3.10	4.47	3.02
	22			2.85	2.48	3.41	2.80	3.69	2.86	3.88	2.87	4.26	3.07	4.41	3.00
10	24			2.84	2.47	3.41	2.80	3.69	2.86	3.86	2.86	4.21	3.05	4.34	2.97
(m³/min)	26			2.84	2.47	3.39	2.78	3.65	2.84	3.82	2.85	4.14	3.03	4.28	2.95
	28	2.58	2.45	2.84	2.47	3.38	2.78	3.62	2.83	3.77	2.83	4.07	3.00	4.21	2.93
	30	2.58	2.45	2.83	2.47	3.35	2.76	3.58	2.81	3.73	2.81	4.01	2.98	4.15	2.91
	32	2.58	2.45	2.83	2.47	3.32	2.75	3.55	2.80	3.68	2.79	3.95	2.96	4.08	2.89
	34	2.58	2.45	2.82	2.46	3.31	2.75	3.50	2.77	3.62	2.76	3.87	2.94	4.00	2.86
	35	2.58	2.45	2.81	2.46	3.31	2.75	3.48	2.76	3.60	2.75	3.83	2.92	3.96	2.85
	36	2.58	2.45	2.81	2.46	3.28	2.74	3.46	2.75	3.56	2.74	3.76	2.89	3.88	2.82
	38	2.58	2.45	2.80	2.46	3.23	2.72	3.43	2.74	3.49	2.71	3.62	2.84	3.73	2.77
	39	2.58	2.45	2.80	2.46	3.21	2.71	3.41	2.73	3.46	2.70	3.55	2.82	3.65	2.75
	41	2.58	2.45	2.79	2.45	3.11	2.67	3.27	2.68	3.31	2.64	3.39	2.77	3.48	2.70
	43	2.58	2.45	2.78	2.45	3.01	2.63	3.13	2.63	3.17	2.59	3.24	2.71	3.31	2.64

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	2.20	2.20	2.20	2.20	2.20
	-17.8	-18	2.35	2.35	2.35	2.35	2.35
	-15.7	-16	2.49	2.49	2.49	2.49	2.49
	-13.7	-14	2.63	2.63	2.63	2.63	2.63
	-11.7	-12	2.77	2.77	2.77	2.77	2.77
Hi	-9.6	-10	2.91	2.91	2.91	2.91	2.91
	-7.5	-8	3.09	3.09	3.09	3.09	3.09
10	-5.5	-6	3.27	3.27	3.27	3.27	3.27
(m³/min)	-3.4	-4	3.38	3.38	3.37	3.34	3.31
	-1.3	-2	3.50	3.49	3.48	3.41	3.34
	0.8	0	3.69	3.63	3.58	3.45	3.33
	3.9	3	4.00	3.86	3.71	3.51	3.30
	7.0	6	4.37	4.09	3.80	3.53	3.27
	10.1	9	4.34	4.06	3.79	3.51	3.24
	13.2	12	4.31	4.04	3.76	3.49	3.21
	16.9	15.5	4.28	4.00	3.73	3.45	3.18

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			2.79	2.33	3.33	2.64	3.60	2.70	3.83	2.73	4.30	2.95	4.46	2.88
	12			2.79	2.33	3.33	2.64	3.60	2.70	3.83	2.73	4.28	2.94	4.44	2.87
	14			2.79	2.33	3.33	2.64	3.60	2.70	3.82	2.72	4.26	2.94	4.42	2.86
	16			2.79	2.33	3.33	2.64	3.60	2.70	3.82	2.72	4.25	2.93	4.40	2.86
	18			2.79	2.33	3.33	2.64	3.60	2.70	3.81	2.72	4.23	2.93	4.38	2.85
Me	20			2.79	2.33	3.33	2.64	3.60	2.70	3.81	2.72	4.22	2.92	4.36	2.84
	22			2.78	2.33	3.33	2.64	3.60	2.70	3.79	2.71	4.16	2.90	4.30	2.82
9	24			2.78	2.33	3.33	2.64	3.60	2.70	3.77	2.70	4.11	2.88	4.24	2.80
(m³/min)	26			2.78	2.33	3.31	2.63	3.57	2.68	3.73	2.69	4.05	2.86	4.18	2.78
	28	2.52	2.30	2.77	2.32	3.30	2.63	3.54	2.67	3.68	2.67	3.98	2.84	4.11	2.76
	30	2.52	2.30	2.77	2.32	3.27	2.62	3.50	2.66	3.64	2.65	3.92	2.81	4.05	2.74
	32	2.52	2.30	2.76	2.32	3.25	2.61	3.47	2.64	3.60	2.64	3.86	2.79	3.99	2.72
	34	2.52	2.30	2.75	2.31	3.24	2.61	3.42	2.62	3.54	2.62	3.78	2.76	3.91	2.69
	35	2.52	2.30	2.75	2.31	3.23	2.60	3.40	2.62	3.51	2.60	3.74	2.75	3.87	2.68
	36	2.52	2.30	2.74	2.31	3.21	2.59	3.38	2.61	3.48	2.59	3.67	2.72	3.79	2.65
	38	2.52	2.30	2.74	2.31	3.16	2.57	3.35	2.60	3.41	2.57	3.54	2.68	3.64	2.60
	39	2.52	2.30	2.73	2.31	3.13	2.56	3.33	2.59	3.38	2.55	3.47	2.65	3.57	2.58
	41	2.52	2.30	2.72	2.30	3.04	2.52	3.20	2.53	3.24	2.50	3.31	2.59	3.40	2.52
	43	2.52	2.30	2.71	2.30	2.94	2.48	3.06	2.48	3.09	2.44	3.16	2.54	3.23	2.47

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	2.13	2.13	2.13	2.13	2.13
	-17.8	-18	2.27	2.27	2.27	2.27	2.27
	-15.7	-16	2.41	2.41	2.41	2.41	2.41
	-13.7	-14	2.55	2.55	2.55	2.55	2.55
	-11.7	-12	2.68	2.68	2.68	2.68	2.68
Me	-9.6	-10	2.82	2.82	2.82	2.82	2.82
	-7.5	-8	2.99	2.99	2.99	2.99	2.99
9	-5.5	-6	3.16	3.16	3.16	3.16	3.16
(m³/min)	-3.4	-4	3.28	3.27	3.27	3.23	3.20
	-1.3	-2	3.39	3.38	3.37	3.30	3.24
	0.8	0	3.57	3.52	3.47	3.34	3.22
	3.9	3	3.87	3.74	3.60	3.39	3.19
	7.0	6	4.23	3.96	3.68	3.42	3.16
	10.1	9	4.20	3.94	3.67	3.40	3.14
	13.2	12	4.18	3.91	3.64	3.38	3.11
	16.9	15.5	4.14	3.88	3.61	3.34	3.08

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			2.41	1.94	2.88	2.19	3.12	2.24	3.32	2.27	3.71	2.45	3.86	2.39
	12			2.41	1.94	2.88	2.19	3.12	2.24	3.31	2.27	3.70	2.44	3.84	2.38
	14			2.41	1.94	2.88	2.19	3.12	2.24	3.31	2.27	3.69	2.44	3.82	2.37
	16			2.41	1.94	2.88	2.19	3.12	2.24	3.30	2.26	3.67	2.43	3.81	2.37
	18			2.41	1.94	2.88	2.19	3.12	2.24	3.30	2.26	3.66	2.43	3.79	2.36
Lo	20			2.41	1.94	2.88	2.19	3.12	2.24	3.29	2.26	3.65	2.42	3.77	2.35
	22			2.41	1.94	2.88	2.19	3.12	2.24	3.28	2.26	3.60	2.40	3.72	2.34
7	24			2.40	1.93	2.88	2.19	3.12	2.24	3.26	2.25	3.55	2.39	3.67	2.32
(m³/min)	26			2.40	1.93	2.87	2.18	3.09	2.23	3.22	2.23	3.50	2.37	3.61	2.30
	28	2.18	1.91	2.40	1.93	2.85	2.17	3.06	2.22	3.19	2.22	3.44	2.34	3.56	2.28
	30	2.18	1.91	2.39	1.93	2.83	2.17	3.03	2.20	3.15	2.20	3.39	2.33	3.50	2.26
	32	2.18	1.91	2.39	1.93	2.81	2.16	3.00	2.19	3.11	2.19	3.34	2.31	3.45	2.24
	34	2.18	1.91	2.38	1.92	2.80	2.15	2.96	2.17	3.06	2.16	3.27	2.28	3.38	2.22
	35	2.18	1.91	2.38	1.92	2.79	2.15	2.94	2.16	3.04	2.16	3.23	2.27	3.34	2.21
	36	2.18	1.91	2.37	1.92	2.77	2.14	2.93	2.16	3.01	2.14	3.17	2.24	3.28	2.18
	38	2.18	1.91	2.37	1.92	2.73	2.12	2.90	2.15	2.95	2.12	3.06	2.20	3.15	2.14
	39	2.18	1.91	2.36	1.91	2.71	2.11	2.88	2.14	2.92	2.11	3.00	2.18	3.08	2.12
	41	2.18	1.91	2.36	1.91	2.63	2.08	2.76	2.09	2.80	2.06	2.87	2.13	2.94	2.07
	43	2.18	1.91	2.35	1.91	2.55	2.05	2.65	2.05	2.68	2.02	2.73	2.08	2.80	2.03

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	1.73	1.73	1.73	1.73	1.73
	-17.8	-18	1.84	1.84	1.84	1.84	1.84
	-15.7	-16	1.95	1.95	1.95	1.95	1.95
	-13.7	-14	2.06	2.06	2.06	2.06	2.06
	-11.7	-12	2.17	2.17	2.17	2.17	2.17
Lo	-9.6	-10	2.28	2.28	2.28	2.28	2.28
	-7.5	-8	2.42	2.42	2.42	2.42	2.42
7	-5.5	-6	2.56	2.56	2.56	2.56	2.56
(m³/min)	-3.4	-4	2.65	2.65	2.64	2.62	2.59
	-1.3	-2	2.74	2.73	2.73	2.67	2.62
	0.8	0	2.89	2.85	2.81	2.71	2.61
	3.9	3	3.14	3.02	2.91	2.75	2.59
	7.0	6	3.43	3.20	2.98	2.77	2.56
	10.1	9	3.40	3.19	2.97	2.75	2.54
	13.2	12	3.38	3.17	2.95	2.73	2.52
	16.9	15.5	3.36	3.14	2.92	2.71	2.49

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PHA001Z063

Model **FDK45KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
P-Hi 15 (m³/min)	10			3.69	3.53	4.41	3.98	4.77	4.05	5.07	4.09	5.68	4.43	5.90	4.33
	12			3.69	3.53	4.41	3.98	4.77	4.05	5.07	4.09	5.66	4.42	5.88	4.33
	14			3.69	3.53	4.41	3.98	4.77	4.05	5.06	4.08	5.64	4.41	5.85	4.32
	16			3.69	3.53	4.41	3.98	4.77	4.05	5.05	4.08	5.62	4.41	5.83	4.31
	18			3.69	3.53	4.41	3.98	4.77	4.05	5.05	4.08	5.60	4.40	5.80	4.30
	20			3.69	3.53	4.41	3.98	4.77	4.05	5.04	4.07	5.58	4.39	5.78	4.30
	22			3.68	3.52	4.41	3.98	4.77	4.05	5.02	4.07	5.51	4.37	5.70	4.27
	24			3.68	3.52	4.41	3.98	4.77	4.05	4.99	4.06	5.44	4.35	5.62	4.25
	26			3.68	3.52	4.39	3.97	4.73	4.04	4.93	4.03	5.35	4.32	5.53	4.22
	28	3.33	3.20	3.67	3.52	4.37	3.96	4.68	4.02	4.88	4.02	5.27	4.29	5.44	4.19
	30	3.33	3.20	3.66	3.51	4.33	3.95	4.64	4.00	4.82	3.99	5.19	4.26	5.36	4.16
	32	3.33	3.20	3.65	3.50	4.30	3.93	4.59	3.98	4.76	3.97	5.11	4.23	5.28	4.11
	34	3.33	3.20	3.64	3.49	4.28	3.93	4.53	3.96	4.69	3.95	5.00	4.20	5.17	4.08
	35	3.33	3.20	3.64	3.49	4.28	3.93	4.50	3.95	4.65	3.93	4.95	4.18	5.12	4.06
	36	3.33	3.20	3.63	3.48	4.24	3.91	4.48	3.94	4.60	3.91	4.86	4.15	5.02	4.03
	38	3.33	3.20	3.62	3.48	4.18	3.89	4.43	3.91	4.52	3.88	4.68	4.06	4.82	3.97
	39	3.33	3.20	3.62	3.48	4.15	3.88	4.41	3.91	4.47	3.87	4.59	4.03	4.72	3.94
	41	3.33	3.20	3.61	3.47	4.02	3.82	4.23	3.84	4.28	3.79	4.39	3.97	4.50	3.87
	43	3.33	3.20	3.59	3.45	3.90	3.74	4.05	3.77	4.09	3.72	4.18	3.90	4.28	3.81

Heat Mode

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 15 (m³/min)	-19.8	-20	2.90	2.90	2.90	2.90	2.90
	-17.8	-18	3.09	3.09	3.09	3.09	3.09
	-15.7	-16	3.27	3.27	3.27	3.27	3.27
	-13.7	-14	3.46	3.46	3.46	3.46	3.46
	-11.7	-12	3.65	3.65	3.65	3.65	3.65
	-9.6	-10	3.83	3.83	3.83	3.83	3.83
	-7.5	-8	4.07	4.07	4.07	4.07	4.07
	-5.5	-6	4.30	4.30	4.30	4.30	4.30
	-3.4	-4	4.45	4.44	4.44	4.39	4.35
	-1.3	-2	4.60	4.59	4.58	4.49	4.40
	0.8	0	4.85	4.78	4.71	4.54	4.38
	3.9	3	5.26	5.08	4.89	4.61	4.34
	7.0	6	5.75	5.38	5.00	4.65	4.30
	10.1	9	5.71	5.35	4.98	4.62	4.26
	13.2	12	5.68	5.31	4.95	4.59	4.23
	16.9	15.5	5.63	5.27	4.91	4.54	4.18

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
Hi 11 (m³/min)	10			3.54	2.95	4.23	3.33	4.58	3.40	4.87	3.44	5.46	3.72	5.67	3.62
	12			3.54	2.95	4.23	3.33	4.58	3.40	4.87	3.44	5.44	3.71	5.64	3.61
	14			3.54	2.95	4.23	3.33	4.58	3.40	4.86	3.44	5.42	3.70	5.62	3.61
	16			3.54	2.95	4.23	3.33	4.58	3.40	4.85	3.43	5.40	3.69	5.59	3.60
	18			3.54	2.95	4.23	3.33	4.58	3.40	4.85	3.43	5.38	3.69	5.57	3.59
	20			3.54	2.95	4.23	3.33	4.58	3.40	4.84	3.43	5.36	3.68	5.54	3.58
	22			3.54	2.95	4.23	3.33	4.58	3.40	4.82	3.42	5.29	3.65	5.47	3.56
	24			3.53	2.94	4.23	3.33	4.58	3.40	4.79	3.41	5.22	3.63	5.39	3.53
	26			3.53	2.94	4.21	3.32	4.54	3.38	4.74	3.39	5.14	3.60	5.31	3.50
	28	3.20	2.90	3.53	2.94	4.19	3.31	4.49	3.36	4.68	3.37	5.06	3.57	5.23	3.47
	30	3.20	2.90	3.52	2.94	4.16	3.30	4.45	3.35	4.63	3.35	4.98	3.54	5.15	3.45
	32	3.20	2.90	3.51	2.93	4.13	3.29	4.41	3.33	4.57	3.32	4.90	3.51	5.07	3.42
	34	3.20	2.90	3.50	2.92	4.11	3.28	4.35	3.31	4.50	3.29	4.80	3.47	4.97	3.39
	35	3.20	2.90	3.49	2.92	4.10	3.27	4.32	3.29	4.46	3.28	4.75	3.46	4.91	3.37
	36	3.20	2.90	3.49	2.92	4.07	3.26	4.30	3.29	4.42	3.26	4.66	3.42	4.82	3.34
	38	3.20	2.90	3.48	2.92	4.01	3.24	4.26	3.27	4.33	3.23	4.49	3.36	4.63	3.28
	39	3.20	2.90	3.47	2.91	3.98	3.22	4.23	3.26	4.29	3.21	4.41	3.33	4.53	3.24
	41	3.20	2.90	3.46	2.91	3.86	3.17	4.06	3.19	4.11	3.14	4.21	3.26	4.32	3.18
	43	3.20	2.90	3.45	2.90	3.74	3.12	3.89	3.12	3.93	3.08	4.02	3.20	4.11	3.11

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 11 (m³/min)	-19.8	-20	2.66	2.66	2.66	2.66	2.66
	-17.8	-18	2.83	2.83	2.83	2.83	2.83
	-15.7	-16	3.00	3.00	3.00	3.00	3.00
	-13.7	-14	3.18	3.18	3.18	3.18	3.18
	-11.7	-12	3.35	3.35	3.35	3.35	3.35
	-9.6	-10	3.52	3.52	3.52	3.52	3.52
	-7.5	-8	3.73	3.73	3.73	3.73	3.73
	-5.5	-6	3.95	3.95	3.95	3.95	3.95
	-3.4	-4	4.09	4.08	4.07	4.03	3.99
	-1.3	-2	4.22	4.21	4.20	4.12	4.04
	0.8	0	4.45	4.39	4.33	4.17	4.02
	3.9	3	4.83	4.66	4.49	4.23	3.98
	7.0	6	5.28	4.93	4.59	4.27	3.95
	10.1	9	5.24	4.91	4.57	4.24	3.91
	13.2	12	5.21	4.88	4.54	4.21	3.88
	16.9	15.5	5.17	4.84	4.50	4.17	3.84

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
Me 9 (m³/min)	10			3.25	2.57	3.88	2.90	4.20	2.97	4.47	3.02	5.00	3.25	5.19	3.16
	12			3.25	2.57	3.88	2.90	4.20	2.97	4.46	3.01	4.98	3.24	5.17	3.16
	14			3.25	2.57	3.88	2.90	4.20	2.97	4.45	3.01	4.97	3.24	5.15	3.15
	16			3.25	2.57	3.88	2.90	4.20	2.97	4.45	3.01	4.95	3.23	5.13	3.14
	18			3.25	2.57	3.88	2.90	4.20	2.97	4.44	3.01	4.93	3.22	5.10	3.13
	20			3.25	2.57	3.88	2.90	4.20	2.97	4.44	3.01	4.91	3.22	5.08	3.12
	22			3.24	2.56	3.88	2.90	4.20	2.97	4.42	2.99	4.85	3.19	5.01	3.10
	24			3.24	2.56	3.88	2.90	4.20	2.97	4.39	2.98	4.79	3.17	4.94	3.08
	26			3.23	2.56	3.86	2.89	4.16	2.95	4.34	2.96	4.71	3.14	4.87	3.05
	28	2.93	2.52	3.23	2.56	3.84	2.88	4.12	2.94	4.29	2.94	4.64	3.11	4.79	3.02
	30	2.93	2.52	3.22	2.55	3.81	2.87	4.08	2.92	4.24	2.92	4.57	3.08	4.72	3.00
	32	2.93	2.52	3.22	2.55	3.78	2.86	4.04	2.90	4.19	2.90	4.50	3.05	4.65	2.97
	34	2.93	2.52	3.20	2.55	3.77	2.85	3.99	2.88	4.12	2.87	4.40	3.02	4.55	2.93
	35	2.93	2.52	3.20	2.55	3.76	2.85	3.96	2.87	4.09	2.86	4.35	3.00	4.50	2.92
	36	2.93	2.52	3.20	2.55	3.73	2.84	3.94	2.86	4.05	2.84	4.27	2.97	4.42	2.89
	38	2.93	2.52	3.19	2.54	3.68	2.82	3.90	2.85	3.97	2.81	4.12	2.91	4.24	2.83
	39	2.93	2.52	3.18	2.54	3.65	2.80	3.88	2.84	3.93	2.79	4.04	2.88	4.15	2.80
	41	2.93	2.52	3.17	2.53	3.54	2.76	3.72	2.77	3.77	2.73	3.86	2.82	3.96	2.74
	43	2.93	2.52	3.16	2.53	3.43	2.71	3.56	2.71	3.60	2.66	3.68	2.75	3.76	2.67

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 9 (m³/min)	-19.8	-20	2.44	2.44	2.44	2.44	2.44
	-17.8	-18	2.59	2.59	2.59	2.59	2.59
	-15.7	-16	2.75	2.75	2.75	2.75	2.75
	-13.7	-14	2.91	2.91	2.91	2.91	2.91
	-11.7	-12	3.06	3.06	3.06	3.06	3.06
	-9.6	-10	3.22	3.22	3.22	3.22	3.22
	-7.5	-8	3.42	3.42	3.42	3.42	3.42
	-5.5	-6	3.61	3.61	3.61	3.61	3.61
	-3.4	-4	3.74	3.73	3.73	3.69	3.65
	-1.3	-2	3.86	3.85	3.84	3.77	3.70
	0.8	0	4.07	4.02	3.96	3.82	3.68
	3.9	3	4.42	4.26	4.11	3.87	3.64
	7.0	6	4.83	4.52	4.20	3.91	3.61
	10.1	9	4.80	4.49	4.18	3.88	3.58
	13.2	12	4.77	4.46	4.16	3.85	3.55
	16.9	15.5	4.73	4.43	4.12	3.82	3.51

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
Lo 7 (m³/min)	10			2.71	2.08	3.24	2.35	3.51	2.42	3.73	2.45	4.18	2.65	4.34	2.57
	12			2.71	2.08	3.24	2.35	3.51	2.42	3.73	2.45	4.17	2.64	4.32	2.56
	14			2.71	2.08	3.24	2.35	3.51	2.42	3.72	2.45	4.15	2.63	4.30	2.56
	16			2.71	2.08	3.24	2.35	3.51	2.42	3.72	2.45	4.14	2.63	4.29	2.55
	18			2.71	2.08	3.24	2.35	3.51	2.42	3.71	2.45	4.12	2.62	4.27	2.55
	20			2.71	2.08	3.24	2.35	3.51	2.42	3.71	2.45	4.11	2.62	4.25	2.54
	22			2.71	2.08	3.24	2.35	3.51	2.42	3.69	2.44	4.05	2.59	4.19	2.52
	24			2.71	2.08	3.24	2.35	3.51	2.42	3.67	2.43	4.00	2.57	4.13	2.49
	26			2.70	2.08	3.23	2.35	3.48	2.41	3.63	2.41	3.94	2.55	4.07	2.47
	28	2.45	2.05	2.70	2.08	3.21	2.34	3.44	2.39	3.59	2.39	3.88	2.53	4.01	2.45
	30	2.45	2.05	2.69	2.07	3.19	2.33	3.41	2.37	3.55	2.38	3.82	2.50	3.95	2.43
	32	2.45	2.05	2.69	2.07	3.16	2.32	3.38	2.36	3.50	2.36	3.76	2.48	3.89	2.41
	34	2.45	2.05	2.68	2.07	3.15	2.32	3.33	2.34	3.45	2.34	3.68	2.45	3.80	2.38
	35	2.45	2.05	2.67	2.06	3.14	2.31	3.31	2.33	3.42	2.32	3.64	2.43	3.76	2.36
	36	2.45	2.05	2.67	2.06	3.12	2.30	3.29	2.32	3.39	2.31	3.57	2.41	3.69	2.34
	38	2.45	2.05	2.66	2.06	3.07	2.28	3.26	2.31	3.32	2.28	3.44	2.35	3.55	2.29
	39	2.45	2.05	2.66	2.06	3.05	2.27	3.24	2.30	3.29	2.27	3.38	2.33	3.47	2.26
	41	2.45	2.05	2.65	2.05	2.96	2.23	3.11	2.24	3.15	2.21	3.23	2.27	3.31	2.20
	43	2.45	2.05	2.64	2.05	2.87	2.19	2.98	2.19	3.01	2.15	3.08	2.22	3.15	2.15

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 7 (m³/min)	-19.8	-20	1.94	1.94	1.94	1.94	1.94
	-17.8	-18	2.07	2.07	2.07	2.07	2.07
	-15.7	-16	2.19	2.19	2.19	2.19	2.19
	-13.7	-14	2.32	2.32	2.32	2.32	2.32
	-11.7	-12	2.44	2.44	2.44	2.44	2.44
	-9.6	-10	2.57	2.57	2.57	2.57	2.57
	-7.5	-8	2.72	2.72	2.72	2.72	2.72
	-5.5	-6	2.88	2.88	2.88	2.88	2.88
	-3.4	-4	2.98	2.98	2.97	2.94	2.91
	-1.3	-2	3.08	3.07	3.07	3.01	2.95
	0.8	0	3.25	3.20	3.16	3.04	2.93
	3.9	3	3.53	3.40	3.27	3.09	2.91
	7.0	6	3.85	3.60	3.35	3.12	2.88
	10.1	9	3.83	3.58	3.34	3.10	2.86
	13.2	12	3.80	3.56	3.32	3.07	2.83
	16.9	15.5	3.77	3.53	3.29	3.04	2.80

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PHA001Z063

Model **FDK56KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
	10			4.59	4.02	5.49	4.54	5.94	4.63	6.32	4.68	7.07	5.06	7.35	4.94
	12			4.59	4.02	5.49	4.54	5.94	4.63	6.31	4.68	7.05	5.05	7.31	4.93
	14			4.59	4.02	5.49	4.54	5.94	4.63	6.30	4.67	7.02	5.04	7.28	4.92
	16			4.59	4.02	5.49	4.54	5.94	4.63	6.29	4.67	7.00	5.03	7.25	4.91
	18			4.59	4.02	5.49	4.54	5.94	4.63	6.28	4.67	6.97	5.02	7.22	4.90
P-Hi	20			4.59	4.02	5.49	4.54	5.94	4.63	6.27	4.66	6.95	5.01	7.19	4.89
	22			4.58	4.01	5.49	4.54	5.94	4.63	6.24	4.65	6.86	4.98	7.09	4.86
16	24			4.58	4.01	5.48	4.53	5.94	4.63	6.21	4.64	6.77	4.95	6.99	4.82
(m³/min)	26			4.57	4.01	5.46	4.52	5.88	4.61	6.14	4.61	6.66	4.91	6.88	4.79
	28	4.14	3.97	4.57	4.01	5.43	4.51	5.82	4.58	6.07	4.59	6.56	4.88	6.78	4.75
	30	4.14	3.97	4.56	4.01	5.39	4.50	5.77	4.56	6.00	4.56	6.46	4.84	6.67	4.72
	32	4.14	3.97	4.55	4.00	5.35	4.48	5.71	4.54	5.93	4.53	6.36	4.81	6.57	4.69
	34	4.14	3.97	4.53	3.99	5.33	4.47	5.64	4.51	5.83	4.50	6.22	4.76	6.44	4.64
	35	4.14	3.97	4.52	3.99	5.32	4.47	5.60	4.50	5.79	4.48	6.16	4.73	6.37	4.62
	36	4.14	3.97	4.52	3.99	5.28	4.45	5.57	4.49	5.73	4.46	6.05	4.70	6.25	4.59
	38	4.14	3.97	4.51	3.98	5.20	4.42	5.52	4.46	5.62	4.41	5.82	4.62	6.00	4.51
	39	4.14	3.97	4.50	3.98	5.16	4.40	5.49	4.45	5.56	4.39	5.71	4.57	5.87	4.46
	41	4.14	3.97	4.49	3.98	5.00	4.34	5.26	4.36	5.33	4.30	5.46	4.49	5.60	4.37
	43	4.14	3.97	4.47	3.97	4.85	4.28	5.04	4.27	5.10	4.22	5.21	4.40	5.32	4.29

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	3.65	3.65	3.65	3.65	3.65
	-17.8	-18	3.89	3.89	3.89	3.89	3.89
	-15.7	-16	4.12	4.12	4.12	4.12	4.12
	-13.7	-14	4.36	4.36	4.36	4.36	4.36
	-11.7	-12	4.59	4.59	4.59	4.59	4.59
P-Hi	-9.6	-10	4.83	4.83	4.83	4.83	4.83
	-7.5	-8	5.12	5.12	5.12	5.12	5.12
16	-5.5	-6	5.42	5.42	5.42	5.42	5.42
(m³/min)	-3.4	-4	5.61	5.60	5.59	5.54	5.48
	-1.3	-2	5.80	5.78	5.76	5.65	5.54
	0.8	0	6.11	6.02	5.94	5.73	5.51
	3.9	3	6.63	6.39	6.16	5.81	5.47
	7.0	6	7.25	6.77	6.30	5.86	5.42
	10.1	9	7.20	6.74	6.28	5.82	5.37
	13.2	12	7.15	6.69	6.24	5.78	5.32
	16.9	15.5	7.10	6.64	6.18	5.73	5.27

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
	10			4.49	3.72	5.37	4.21	5.81	4.30	6.18	4.35	6.92	4.70	7.19	4.59
	12			4.49	3.72	5.37	4.21	5.81	4.30	6.17	4.35	6.90	4.69	7.16	4.58
	14			4.49	3.72	5.37	4.21	5.81	4.30	6.16	4.34	6.87	4.68	7.13	4.57
	16			4.49	3.72	5.37	4.21	5.81	4.30	6.16	4.34	6.85	4.68	7.09	4.55
	18			4.49	3.72	5.37	4.21	5.81	4.30	6.15	4.34	6.82	4.67	7.06	4.54
Hi	20			4.49	3.72	5.37	4.21	5.81	4.30	6.14	4.34	6.80	4.66	7.03	4.53
	22			4.49	3.72	5.37	4.21	5.81	4.30	6.11	4.32	6.71	4.62	6.94	4.50
14	24			4.48	3.72	5.37	4.21	5.81	4.30	6.08	4.31	6.63	4.59	6.84	4.47
(m³/min)	26			4.48	3.72	5.34	4.20	5.75	4.27	6.01	4.28	6.52	4.55	6.74	4.43
	28	4.06	3.67	4.47	3.71	5.32	4.19	5.70	4.25	5.94	4.26	6.42	4.52	6.63	4.39
	30	4.06	3.67	4.46	3.71	5.27	4.17	5.64	4.23	5.87	4.23	6.32	4.47	6.53	4.36
	32	4.06	3.67	4.45	3.70	5.23	4.15	5.59	4.21	5.80	4.20	6.22	4.44	6.43	4.32
	34	4.06	3.67	4.44	3.70	5.22	4.15	5.52	4.18	5.71	4.17	6.09	4.39	6.30	4.28
	35	4.06	3.67	4.43	3.69	5.21	4.14	5.48	4.17	5.66	4.15	6.02	4.37	6.23	4.26
	36	4.06	3.67	4.42	3.69	5.17	4.13	5.45	4.15	5.61	4.13	5.92	4.33	6.11	4.22
	38	4.06	3.67	4.41	3.69	5.09	4.09	5.40	4.13	5.50	4.09	5.70	4.25	5.87	4.14
	39	4.06	3.67	4.41	3.69	5.05	4.08	5.37	4.12	5.44	4.06	5.59	4.21	5.75	4.10
	41	4.06	3.67	4.39	3.68	4.90	4.01	5.15	4.03	5.22	3.98	5.34	4.13	5.48	4.02
	43	4.06	3.67	4.37	3.67	4.75	3.95	4.93	3.95	4.99	3.89	5.09	4.04	5.21	3.92

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	3.50	3.50	3.50	3.50	3.50
	-17.8	-18	3.73	3.73	3.73	3.73	3.73
	-15.7	-16	3.95	3.95	3.95	3.95	3.95
	-13.7	-14	4.18	4.18	4.18	4.18	4.18
	-11.7	-12	4.41	4.41	4.41	4.41	4.41
Hi	-9.6	-10	4.63	4.63	4.63	4.63	4.63
	-7.5	-8	4.91	4.91	4.91	4.91	4.91
14	-5.5	-6	5.19	5.19	5.19	5.19	5.19
(m³/min)	-3.4	-4	5.38	5.37	5.36	5.31	5.25
	-1.3	-2	5.56	5.54	5.53	5.42	5.32
	0.8	0	5.86	5.78	5.69	5.49	5.29
	3.9	3	6.36	6.13	5.90	5.57	5.24
	7.0	6	6.95	6.49	6.04	5.62	5.19
	10.1	9	6.90	6.46	6.02	5.58	5.15
	13.2	12	6.86	6.42	5.98	5.54	5.10
	16.9	15.5	6.80	6.36	5.93	5.49	5.05

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
	10			4.21	3.35	5.03	3.79	5.44	3.88	5.79	3.93	6.48	4.25	6.73	4.14
	12			4.21	3.35	5.03	3.79	5.44	3.88	5.78	3.93	6.46	4.24	6.70	4.12
	14			4.21	3.35	5.03	3.79	5.44	3.88	5.77	3.93	6.43	4.23	6.67	4.11
	16			4.21	3.35	5.03	3.79	5.44	3.88	5.76	3.92	6.41	4.22	6.64	4.10
	18			4.21	3.35	5.03	3.79	5.44	3.88	5.75	3.92	6.39	4.21	6.61	4.09
Me	20			4.21	3.35	5.03	3.79	5.44	3.88	5.75	3.92	6.36	4.20	6.58	4.08
	22			4.20	3.35	5.02	3.79	5.44	3.88	5.72	3.91	6.28	4.16	6.49	4.04
12	24			4.19	3.35	5.02	3.79	5.44	3.88	5.69	3.89	6.20	4.13	6.40	4.01
(m³/min)	26			4.19	3.35	5.00	3.78	5.39	3.86	5.63	3.87	6.10	4.09	6.31	3.98
	28	3.80	3.30	4.19	3.35	4.98	3.77	5.34	3.84	5.56	3.84	6.01	4.06	6.21	3.95
	30	3.80	3.30	4.18	3.34	4.94	3.75	5.28	3.81	5.49	3.81	5.92	4.03	6.11	3.91
	32	3.80	3.30	4.17	3.34	4.90	3.73	5.23	3.79	5.43	3.79	5.82	3.99	6.02	3.88
	34	3.80	3.30	4.15	3.33	4.88	3.73	5.16	3.76	5.34	3.75	5.70	3.94	5.90	3.84
	35	3.80	3.30	4.15	3.33	4.87	3.72	5.13	3.75	5.30	3.73	5.64	3.92	5.83	3.82
	36	3.80	3.30	4.14	3.32	4.84	3.71	5.10	3.73	5.25	3.71	5.54	3.89	5.72	3.78
	38	3.80	3.30	4.13	3.32	4.76	3.67	5.05	3.71	5.15	3.67	5.34	3.81	5.50	3.70
	39	3.80	3.30	4.12	3.31	4.73	3.66	5.03	3.71	5.10	3.65	5.23	3.77	5.38	3.66
	41	3.80	3.30	4.11	3.31	4.58	3.60	4.82	3.62	4.88	3.57	5.00	3.69	5.13	3.58
	43	3.80	3.30	4.10	3.31	4.44	3.54	4.62	3.54	4.67	3.48	4.77	3.60	4.88	3.50

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	3.21	3.21	3.21	3.21	3.21
	-17.8	-18	3.42	3.42	3.42	3.42	3.42
	-15.7	-16	3.63	3.63	3.63	3.63	3.63
	-13.7	-14	3.83	3.83	3.83	3.83	3.83
	-11.7	-12	4.04	4.04	4.04	4.04	4.04
Me	-9.6	-10	4.25	4.25	4.25	4.25	4.25
	-7.5	-8	4.51	4.51	4.51	4.51	4.51
12	-5.5	-6	4.76	4.76	4.76	4.76	4.76
(m³/min)	-3.4	-4	4.93	4.92	4.92	4.87	4.82
	-1.3	-2	5.10	5.08	5.07	4.97	4.88
	0.8	0	5.37	5.30	5.22	5.03	4.85
	3.9	3	5.83	5.62	5.42	5.11	4.81
	7.0	6	6.37	5.96	5.54	5.15	4.76
	10.1	9	6.33	5.92	5.52	5.12	4.72
	13.2	12	6.29	5.89	5.48	5.08	4.68
	16.9	15.5	6.24	5.84	5.44	5.03	4.63

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
	10			3.75	2.92	4.49	3.30	4.85	3.38	5.17	3.44	5.79	3.71	6.01	3.60
	12			3.75	2.92	4.49	3.30	4.85	3.38	5.16	3.43	5.76	3.69	5.98	3.59
	14			3.75	2.92	4.49	3.30	4.85	3.38	5.15	3.43	5.74	3.69	5.96	3.59
	16			3.75	2.92	4.49	3.30	4.85	3.38	5.14	3.43	5.72	3.68	5.93	3.58
	18			3.75	2.92	4.49	3.30	4.85	3.38	5.14	3.43	5.70	3.67	5.90	3.56
Lo	20			3.75	2.92	4.49	3.30	4.85	3.38	5.13	3.42	5.68	3.66	5.88	3.56
	22			3.75	2.92	4.49	3.30	4.85	3.38	5.11	3.41	5.61	3.63	5.80	3.53
10	24			3.74	2.91	4.48	3.30	4.85	3.38	5.08	3.40	5.54	3.61	5.72	3.50
(m³/min)	26			3.74	2.91	4.46	3.29	4.81	3.36	5.02	3.38	5.45	3.57	5.63	3.47
	28	3.39	2.87	3.74	2.91	4.44	3.28	4.76	3.34	4.96	3.35	5.36	3.54	5.54	3.43
	30	3.39	2.87	3.73	2.91	4.41	3.27	4.72	3.33	4.91	3.33	5.28	3.51	5.46	3.41
	32	3.39	2.87	3.72	2.90	4.37	3.25	4.67	3.30	4.85	3.30	5.20	3.47	5.38	3.38
	34	3.39	2.87	3.71	2.90	4.36	3.25	4.61	3.28	4.77	3.27	5.09	3.43	5.26	3.34
	35	3.39	2.87	3.70	2.89	4.35	3.24	4.58	3.27	4.73	3.25	5.03	3.41	5.21	3.32
	36	3.39	2.87	3.70	2.89	4.32	3.23	4.56	3.26	4.69	3.23	4.94	3.37	5.11	3.28
	38	3.39	2.87	3.69	2.89	4.25	3.20	4.51	3.24	4.60	3.20	4.76	3.30	4.91	3.21
	39	3.39	2.87	3.68	2.88	4.22	3.18	4.49	3.23	4.55	3.18	4.67	3.27	4.80	3.17
	41	3.39	2.87	3.67	2.88	4.09	3.13	4.31	3.15	4.36	3.10	4.47	3.20	4.58	3.10
	43	3.39	2.87	3.66	2.88	3.97	3.08	4.12	3.07	4.17	3.03	4.26	3.12	4.35	3.02

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	2.75	2.75	2.75	2.75	2.75
	-17.8	-18	2.93	2.93	2.93	2.93	2.93
	-15.7	-16	3.10	3.10	3.10	3.10	3.10
	-13.7	-14	3.28	3.28	3.28	3.28	3.28
	-11.7	-12	3.46	3.46	3.46	3.46	3.46
Lo	-9.6	-10	3.63	3.63	3.63	3.63	3.63
	-7.5	-8	3.86	3.86	3.86	3.86	3.86
10	-5.5	-6	4.08	4.08	4.08	4.08	4.08
(m³/min)	-3.4	-4	4.22	4.21	4.21	4.17	4.12
	-1.3	-2	4.36	4.35	4.34	4.25	4.17
	0.8	0	4.60	4.53	4.47	4.31	4.15
	3.9	3	4.99	4.81	4.63	4.37	4.11
	7.0	6	5.45	5.10	4.74	4.41	4.08
	10.1	9	5.42	5.07	4.72	4.38	4.04
	13.2	12	5.38	5.04	4.69	4.35	4.01
	16.9	15.5	5.34	4.99	4.65	4.31	3.96

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PHA001Z063

Model **FDK71KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi 24 (m³/min)	10			5.82	5.53	6.96	6.26	7.53	6.37	8.01	6.42	8.97	6.96	9.31	6.80
	12			5.82	5.53	6.96	6.26	7.53	6.37	8.00	6.42	8.94	6.95	9.27	6.79
	14			5.82	5.53	6.96	6.26	7.53	6.37	7.99	6.42	8.90	6.94	9.23	6.78
	16			5.82	5.53	6.96	6.26	7.53	6.37	7.97	6.41	8.87	6.92	9.19	6.77
	18			5.82	5.53	6.96	6.26	7.53	6.37	7.96	6.41	8.84	6.91	9.15	6.76
	20			5.82	5.53	6.96	6.26	7.53	6.37	7.95	6.40	8.81	6.90	9.11	6.74
	22			5.81	5.53	6.95	6.26	7.53	6.37	7.92	6.39	8.70	6.87	8.99	6.71
	24			5.80	5.53	6.95	6.26	7.53	6.37	7.88	6.38	8.58	6.83	8.86	6.67
	26			5.80	5.53	6.92	6.25	7.46	6.34	7.79	6.34	8.45	6.78	8.73	6.63
	28	5.25	5.04	5.79	5.52	6.89	6.24	7.38	6.31	7.69	6.31	8.31	6.74	8.59	6.58
	30	5.25	5.04	5.78	5.52	6.83	6.21	7.31	6.28	7.60	6.28	8.19	6.69	8.46	6.54
	32	5.25	5.04	5.77	5.51	6.78	6.19	7.24	6.26	7.51	6.24	8.06	6.65	8.33	6.50
	34	5.25	5.04	5.75	5.50	6.76	6.19	7.15	6.22	7.39	6.20	7.89	6.59	8.16	6.45
	35	5.25	5.04	5.74	5.50	6.75	6.17	7.10	6.21	7.33	6.18	7.80	6.56	8.08	6.43
	36	5.25	5.04	5.73	5.50	6.69	6.15	7.06	6.19	7.26	6.15	7.66	6.52	7.92	6.38
	38	5.25	5.04	5.72	5.49	6.59	6.11	6.99	6.16	7.12	6.10	7.38	6.42	7.61	6.28
	39	5.25	5.04	5.71	5.48	6.54	6.09	6.96	6.15	7.05	6.08	7.24	6.38	7.45	6.24
	41	5.25	5.04	5.69	5.46	6.35	6.01	6.67	6.03	6.76	5.96	6.92	6.26	7.10	6.12
	43	5.25	5.04	5.67	5.44	6.15	5.90	6.39	5.93	6.46	5.85	6.60	6.16	6.75	6.01

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi 24 (m³/min)	-19.8	-20	4.64	4.64	4.64	4.64	4.64
	-17.8	-18	4.94	4.94	4.94	4.94	4.94
	-15.7	-16	5.24	5.24	5.24	5.24	5.24
	-13.7	-14	5.54	5.54	5.54	5.54	5.54
	-11.7	-12	5.83	5.83	5.83	5.83	5.83
	-9.6	-10	6.13	6.13	6.13	6.13	6.13
	-7.5	-8	6.51	6.51	6.51	6.51	6.51
	-5.5	-6	6.88	6.88	6.88	6.88	6.88
	-3.4	-4	7.12	7.11	7.10	7.03	6.96
	-1.3	-2	7.36	7.34	7.32	7.18	7.04
	0.8	0	7.76	7.65	7.54	7.27	7.00
	3.9	3	8.42	8.12	7.82	7.38	6.94
	7.0	6	9.20	8.60	8.00	7.44	6.88
	10.1	9	9.14	8.56	7.97	7.40	6.82
	13.2	12	9.08	8.50	7.92	7.34	6.76
	16.9	15.5	9.01	8.43	7.85	7.27	6.69

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi 21 (m³/min)	10			5.71	5.10	6.82	5.77	7.38	5.88	7.85	5.95	8.79	6.43	9.13	6.28
	12			5.71	5.10	6.82	5.77	7.38	5.88	7.84	5.94	8.76	6.42	9.09	6.27
	14			5.71	5.10	6.82	5.77	7.38	5.88	7.83	5.94	8.73	6.41	9.05	6.26
	16			5.71	5.10	6.82	5.77	7.38	5.88	7.82	5.93	8.70	6.40	9.01	6.24
	18			5.71	5.10	6.82	5.77	7.38	5.88	7.81	5.93	8.67	6.39	8.97	6.23
	20			5.71	5.10	6.82	5.77	7.38	5.88	7.80	5.93	8.63	6.37	8.93	6.22
	22			5.70	5.09	6.82	5.77	7.38	5.88	7.76	5.91	8.52	6.33	8.81	6.18
	24			5.69	5.09	6.81	5.76	7.38	5.88	7.72	5.90	8.41	6.30	8.69	6.14
	26			5.68	5.09	6.78	5.75	7.31	5.85	7.63	5.85	8.28	6.25	8.56	6.10
	28	5.15	4.94	5.68	5.09	6.75	5.74	7.24	5.82	7.54	5.82	8.15	6.21	8.42	6.05
	30	5.15	4.94	5.67	5.08	6.70	5.72	7.17	5.79	7.45	5.78	8.03	6.16	8.30	6.02
	32	5.15	4.94	5.65	5.07	6.65	5.70	7.10	5.77	7.37	5.76	7.90	6.11	8.17	5.96
	34	5.15	4.94	5.63	5.06	6.62	5.69	7.01	5.73	7.25	5.71	7.73	6.05	8.00	5.91
	35	5.15	4.94	5.62	5.06	6.61	5.69	6.96	5.71	7.19	5.69	7.65	6.02	7.92	5.89
	36	5.15	4.94	5.62	5.06	6.56	5.67	6.93	5.70	7.12	5.66	7.51	5.97	7.76	5.84
	38	5.15	4.94	5.60	5.05	6.46	5.63	6.86	5.67	6.98	5.61	7.24	5.88	7.46	5.74
	39	5.15	4.94	5.60	5.05	6.41	5.61	6.82	5.66	6.91	5.59	7.10	5.84	7.30	5.69
	41	5.15	4.94	5.58	5.04	6.22	5.53	6.54	5.55	6.62	5.48	6.79	5.73	6.96	5.59
	43	5.15	4.94	5.56	5.04	6.03	5.46	6.26	5.45	6.33	5.37	6.47	5.63	6.62	5.49

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 21 (m³/min)	-19.8	-20	4.50	4.50	4.50	4.50	4.50
	-17.8	-18	4.78	4.78	4.78	4.78	4.78
	-15.7	-16	5.07	5.07	5.07	5.07	5.07
	-13.7	-14	5.36	5.36	5.36	5.36	5.36
	-11.7	-12	5.65	5.65	5.65	5.65	5.65
	-9.6	-10	5.94	5.94	5.94	5.94	5.94
	-7.5	-8	6.30	6.30	6.30	6.30	6.30
	-5.5	-6	6.67	6.67	6.67	6.67	6.67
	-3.4	-4	6.90	6.89	6.88	6.81	6.74
	-1.3	-2	7.13	7.11	7.09	6.96	6.82
	0.8	0	7.52	7.41	7.30	7.04	6.78
	3.9	3	8.16	7.87	7.58	7.15	6.72
	7.0	6	8.91	8.33	7.75	7.21	6.67
	10.1	9	8.85	8.29	7.72	7.16	6.61
	13.2	12	8.80	8.23	7.67	7.11	6.55
	16.9	15.5	8.73	8.17	7.60	7.04	6.48

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me 18 (m³/min)	10			5.39	4.58	6.45	5.20	6.97	5.30	7.42	5.36	8.31	5.80	8.63	5.66
	12			5.39	4.58	6.45	5.20	6.97	5.30	7.41	5.36	8.28	5.79	8.59	5.65
	14			5.39	4.58	6.45	5.20	6.97	5.30	7.40	5.35	8.25	5.78	8.56	5.63
	16			5.39	4.58	6.45	5.20	6.97	5.30	7.39	5.35	8.22	5.77	8.52	5.62
	18			5.39	4.58	6.45	5.20	6.97	5.30	7.38	5.35	8.19	5.75	8.48	5.61
	20			5.39	4.58	6.45	5.20	6.97	5.30	7.37	5.34	8.16	5.74	8.44	5.60
	22			5.39	4.58	6.45	5.20	6.97	5.30	7.34	5.33	8.06	5.71	8.33	5.56
	24			5.38	4.58	6.44	5.19	6.97	5.30	7.30	5.31	7.96	5.67	8.21	5.51
	26			5.37	4.57	6.41	5.18	6.91	5.28	7.22	5.28	7.83	5.62	8.09	5.47
	28	4.87	4.53	5.37	4.57	6.38	5.17	6.84	5.25	7.13	5.25	7.70	5.57	7.96	5.43
	30	4.87	4.53	5.36	4.57	6.33	5.14	6.78	5.22	7.05	5.22	7.59	5.53	7.84	5.39
	32	4.87	4.53	5.34	4.56	6.28	5.12	6.71	5.20	6.96	5.18	7.47	5.49	7.72	5.35
	34	4.87	4.53	5.33	4.56	6.26	5.11	6.62	5.16	6.85	5.14	7.31	5.43	7.56	5.30
	35	4.87	4.53	5.32	4.55	6.25	5.11	6.58	5.14	6.80	5.12	7.23	5.40	7.48	5.27
	36	4.87	4.53	5.31	4.55	6.20	5.09	6.55	5.13	6.73	5.10	7.10	5.36	7.34	5.23
	38	4.87	4.53	5.30	4.54	6.11	5.05	6.48	5.11	6.60	5.05	6.84	5.27	7.05	5.13
	39	4.87	4.53	5.29	4.54	6.06	5.03	6.45	5.08	6.54	5.02	6.71	5.21	6.90	5.08
	41	4.87	4.53	5.27	4.53	5.88	4.96	6.19	4.98	6.26	4.91	6.42	5.11	6.58	4.98
	43	4.87	4.53	5.25	4.52	5.70	4.89	5.92	4.88	5.99	4.81	6.12	5.01	6.26	4.88

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 18 (m³/min)	-19.8	-20	4.19	4.19	4.19	4.19	4.19
	-17.8	-18	4.46	4.46	4.46	4.46	4.46
	-15.7	-16	4.73	4.73	4.73	4.73	4.73
	-13.7	-14	5.00	5.00	5.00	5.00	5.00
	-11.7	-12	5.27	5.27	5.27	5.27	5.27
	-9.6	-10	5.54	5.54	5.54	5.54	5.54
	-7.5	-8	5.87	5.87	5.87	5.87	5.87
	-5.5	-6	6.21	6.21	6.21	6.21	6.21
	-3.4	-4	6.43	6.42	6.41	6.34	6.28
	-1.3	-2	6.64	6.62	6.61	6.48	6.35
	0.8	0	7.00	6.90	6.80	6.56	6.32
	3.9	3	7.60	7.33	7.06	6.66	6.26
	7.0	6	8.30	7.76	7.22	6.71	6.21
	10.1	9	8.25	7.72	7.19	6.67	6.16
	13.2	12	8.19	7.67	7.15	6.62	6.10
	16.9	15.5	8.13	7.61	7.08	6.56	6.04

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃WB		23 ℃CDB 16 ℃WB		26 ℃CDB 18 ℃WB		27 ℃CDB 19 ℃WB		28 ℃CDB 20 ℃WB		31 ℃CDB 22 ℃WB		33 ℃CDB 24 ℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo 15 (m³/min)	10			4.88	4.04	5.83	4.56	6.31	4.66	6.71	4.72	7.52	5.10	7.80	4.97
	12			4.88	4.04	5.83	4.56	6.31	4.66	6.70	4.72	7.49	5.09	7.77	4.96
	14			4.88	4.04	5.83	4.56	6.31	4.66	6.69	4.71	7.46	5.07	7.74	4.94
	16			4.88	4.04	5.83	4.56	6.31	4.66	6.68	4.71	7.43	5.06	7.70	4.93
	18			4.88	4.04	5.83	4.56	6.31	4.66	6.67	4.70	7.41	5.06	7.67	4.92
	20			4.88	4.04	5.83	4.56	6.31	4.66	6.66	4.70	7.38	5.04	7.64	4.91
	22			4.87	4.04	5.83	4.56	6.31	4.66	6.63	4.69	7.29	5.01	7.53	4.87
	24			4.86	4.03	5.83	4.56	6.31	4.66	6.60	4.68	7.19	4.97	7.43	4.84
	26			4.86	4.03	5.80	4.55	6.25	4.64	6.53	4.65	7.08	4.93	7.31	4.80
	28	4.40	3.98	4.86	4.03	5.77	4.54	6.19	4.61	6.45	4.62	6.97	4.89	7.20	4.76
	30	4.40	3.98	4.84	4.02	5.73	4.52	6.13	4.59	6.37	4.58	6.86	4.85	7.09	4.72
	32	4.40	3.98	4.83	4.02	5.68	4.50	6.07	4.56	6.30	4.56	6.75	4.81	6.98	4.69
	34	4.40	3.98	4.82	4.02	5.66	4.49	5.99	4.53	6.20	4.52	6.61	4.76	6.84	4.64
	35	4.40	3.98	4.81	4.01	5.65	4.49	5.95	4.52	6.15	4.50	6.54	4.73	6.77	4.62
	36	4.40	3.98	4.80	4.01	5.61	4.47	5.92	4.50	6.09	4.47	6.42	4.69	6.64	4.57
	38	4.40	3.98	4.79	4.00	5.52	4.43	5.86	4.48	5.97	4.43	6.19	4.61	6.37	4.49
	39	4.40	3.98	4.78	3.99	5.48	4.42	5.83	4.47	5.91	4.40	6.07	4.57	6.24	4.44
	41	4.40	3.98	4.77	3.99	5.32	4.35	5.59	4.37	5.66	4.31	5.80	4.47	5.95	4.35
	43	4.40	3.98	4.75	3.98	5.15	4.28	5.36	4.28	5.41	4.21	5.53	4.38	5.66	4.26

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 15 (m³/min)	-19.8	-20	3.69	3.69	3.69	3.69	3.69
	-17.8	-18	3.93	3.93	3.93	3.93	3.93
	-15.7	-16	4.16	4.16	4.16	4.16	4.16
	-13.7	-14	4.40	4.40	4.40	4.40	4.40
	-11.7	-12	4.64	4.64	4.64	4.64	4.64
	-9.6	-10	4.88	4.88	4.88	4.88	4.88
	-7.5	-8	5.17	5.17	5.17	5.17	5.17
	-5.5	-6	5.47	5.47	5.47	5.47	5.47
	-3.4	-4	5.66	5.65	5.64	5.59	5.53
	-1.3	-2	5.85	5.84	5.82	5.71	5.60
	0.8	0	6.17	6.08	5.99	5.78	5.57
	3.9	3	6.69	6.46	6.22	5.87	5.52
	7.0	6	7.31	6.84	6.36	5.91	5.47
	10.1	9	7.27	6.80	6.34	5.88	5.42
	13.2	12	7.22	6.76	6.30	5.84	5.37
	16.9	15.5	7.16	6.70	6.24	5.78	5.32

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PHA001Z063

(k) Ceiling suspended type (FDE)

Model **FDE36KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
	10			2.95	2.58	3.53	2.91	3.82	2.97	4.06	3.00	4.55	3.25	4.72	3.16
	12			2.95	2.58	3.53	2.91	3.82	2.97	4.05	2.99	4.53	3.24	4.70	3.16
	14			2.95	2.58	3.53	2.91	3.82	2.97	4.05	2.99	4.51	3.23	4.68	3.15
	16			2.95	2.58	3.53	2.91	3.82	2.97	4.04	2.99	4.50	3.23	4.66	3.15
	18			2.95	2.58	3.53	2.91	3.82	2.97	4.04	2.99	4.48	3.22	4.64	3.14
P-Hi	20			2.95	2.58	3.53	2.91	3.82	2.97	4.03	2.99	4.47	3.21	4.62	3.13
	22			2.95	2.58	3.53	2.91	3.82	2.97	4.01	2.98	4.41	3.19	4.56	3.12
11	24			2.94	2.57	3.52	2.91	3.82	2.97	3.99	2.97	4.35	3.17	4.49	3.09
(m^3/min)	26			2.94	2.57	3.51	2.90	3.78	2.95	3.95	2.96	4.28	3.15	4.43	3.07
	28	2.66	2.54	2.94	2.57	3.49	2.89	3.74	2.93	3.90	2.94	4.22	3.12	4.36	3.05
	30	2.66	2.54	2.93	2.57	3.47	2.89	3.71	2.92	3.86	2.92	4.15	3.10	4.29	3.03
	32	2.66	2.54	2.92	2.56	3.44	2.87	3.67	2.91	3.81	2.90	4.09	3.08	4.23	3.00
	34	2.66	2.54	2.91	2.56	3.43	2.87	3.62	2.89	3.75	2.88	4.00	3.04	4.14	2.97
	35	2.66	2.54	2.91	2.56	3.42	2.86	3.60	2.88	3.72	2.87	3.96	3.03	4.09	2.96
	36	2.66	2.54	2.91	2.56	3.39	2.85	3.58	2.87	3.68	2.85	3.89	3.01	4.02	2.94
	38	2.66	2.54	2.90	2.55	3.34	2.83	3.55	2.86	3.61	2.82	3.74	2.95	3.86	2.88
	39	2.66	2.54	2.89	2.55	3.32	2.82	3.53	2.85	3.58	2.81	3.67	2.93	3.78	2.86
	41	2.66	2.54	2.88	2.55	3.22	2.79	3.38	2.79	3.43	2.76	3.51	2.87	3.60	2.80
	43	2.66	2.54	2.87	2.54	3.12	2.74	3.24	2.74	3.28	2.70	3.35	2.82	3.42	2.75

Heat Mode

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	2.32	2.32	2.32	2.32	2.32
	-17.8	-18	2.47	2.47	2.47	2.47	2.47
	-15.7	-16	2.62	2.62	2.62	2.62	2.62
	-13.7	-14	2.77	2.77	2.77	2.77	2.77
	-11.7	-12	2.92	2.92	2.92	2.92	2.92
P-Hi	-9.6	-10	3.07	3.07	3.07	3.07	3.07
	-7.5	-8	3.25	3.25	3.25	3.25	3.25
11	-5.5	-6	3.44	3.44	3.44	3.44	3.44
(m^3/min)	-3.4	-4	3.56	3.56	3.55	3.52	3.48
	-1.3	-2	3.68	3.67	3.66	3.59	3.52
	0.8	0	3.88	3.83	3.77	3.64	3.50
	3.9	3	4.21	4.06	3.91	3.69	3.47
	7.0	6	4.60	4.30	4.00	3.72	3.44
	10.1	9	4.57	4.28	3.99	3.70	3.41
	13.2	12	4.54	4.25	3.96	3.67	3.38
	16.9	15.5	4.51	4.22	3.93	3.64	3.35

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
	10			2.85	2.42	3.41	2.73	3.69	2.79	3.92	2.82	4.40	3.04	4.56	2.97
	12			2.85	2.42	3.41	2.73	3.69	2.79	3.92	2.82	4.38	3.03	4.54	2.96
	14			2.85	2.42	3.41	2.73	3.69	2.79	3.91	2.82	4.36	3.03	4.53	2.96
	16			2.85	2.42	3.41	2.73	3.69	2.79	3.91	2.82	4.35	3.02	4.51	2.95
	18			2.85	2.42	3.41	2.73	3.69	2.79	3.90	2.81	4.33	3.02	4.49	2.94
Hi	20			2.85	2.42	3.41	2.73	3.69	2.79	3.90	2.81	4.32	3.01	4.47	2.94
	22			2.85	2.42	3.41	2.73	3.69	2.79	3.88	2.80	4.26	2.99	4.41	2.92
10	24			2.84	2.41	3.41	2.73	3.69	2.79	3.86	2.79	4.21	2.98	4.34	2.90
(m^3/min)	26			2.84	2.41	3.39	2.72	3.65	2.77	3.82	2.78	4.14	2.95	4.28	2.87
	28	2.58	2.39	2.84	2.41	3.38	2.72	3.62	2.76	3.77	2.76	4.07	2.92	4.21	2.85
	30	2.58	2.39	2.83	2.41	3.35	2.71	3.58	2.74	3.73	2.74	4.01	2.90	4.15	2.83
	32	2.58	2.39	2.83	2.41	3.32	2.69	3.55	2.73	3.68	2.72	3.95	2.88	4.08	2.81
	34	2.58	2.39	2.82	2.40	3.31	2.69	3.50	2.71	3.62	2.70	3.87	2.85	4.00	2.78
	35	2.58	2.39	2.81	2.39	3.31	2.69	3.48	2.70	3.60	2.69	3.83	2.84	3.96	2.77
	36	2.58	2.39	2.81	2.39	3.28	2.67	3.46	2.69	3.56	2.68	3.76	2.81	3.88	2.75
	38	2.58	2.39	2.80	2.39	3.23	2.65	3.43	2.68	3.49	2.65	3.62	2.76	3.73	2.69
	39	2.58	2.39	2.80	2.39	3.21	2.65	3.41	2.67	3.46	2.64	3.55	2.74	3.65	2.67
	41	2.58	2.39	2.79	2.39	3.11	2.60	3.27	2.62	3.31	2.58	3.39	2.68	3.48	2.61
	43	2.58	2.39	2.78	2.38	3.01	2.56	3.13	2.56	3.17	2.53	3.24	2.63	3.31	2.56

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	2.24	2.24	2.24	2.24	2.24
	-17.8	-18	2.39	2.39	2.39	2.39	2.39
	-15.7	-16	2.53	2.53	2.53	2.53	2.53
	-13.7	-14	2.68	2.68	2.68	2.68	2.68
	-11.7	-12	2.82	2.82	2.82	2.82	2.82
Hi	-9.6	-10	2.97	2.97	2.97	2.97	2.97
	-7.5	-8	3.15	3.15	3.15	3.15	3.15
10	-5.5	-6	3.33	3.33	3.33	3.33	3.33
(m^3/min)	-3.4	-4	3.44	3.44	3.43	3.40	3.37
	-1.3	-2	3.56	3.55	3.54	3.47	3.41
	0.8	0	3.75	3.70	3.65	3.52	3.39
	3.9	3	4.07	3.93	3.78	3.57	3.36
	7.0	6	4.45	4.16	3.87	3.60	3.33
	10.1	9	4.42	4.14	3.86	3.58	3.30
	13.2	12	4.39	4.11	3.83	3.55	3.27
	16.9	15.5	4.36	4.08	3.80	3.52	3.24

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
	10			2.54	2.19	3.04	2.48	3.29	2.53	3.50	2.56	3.92	2.77	4.07	2.70
	12			2.54	2.19	3.04	2.48	3.29	2.53	3.49	2.56	3.90	2.76	4.05	2.70
	14			2.54	2.19	3.04	2.48	3.29	2.53	3.49	2.56	3.89	2.76	4.03	2.69
	16			2.54	2.19	3.04	2.48	3.29	2.53	3.48	2.55	3.87	2.75	4.01	2.68
	18			2.54	2.19	3.04	2.48	3.29	2.53	3.48	2.55	3.86	2.75	4.00	2.68
Me	20			2.54	2.19	3.04	2.48	3.29	2.53	3.47	2.55	3.85	2.74	3.98	2.68
	22			2.54	2.19	3.04	2.48	3.29	2.53	3.46	2.55	3.80	2.73	3.92	2.65
9	24			2.53	2.19	3.04	2.48	3.29	2.53	3.44	2.54	3.75	2.71	3.87	2.64
(m^3/min)	26			2.53	2.19	3.02	2.47	3.26	2.52	3.40	2.52	3.69	2.68	3.81	2.62
	28	2.29	2.17	2.53	2.19	3.01	2.47	3.22	2.50	3.36	2.51	3.63	2.66	3.75	2.60
	30	2.29	2.17	2.52	2.19	2.98	2.46	3.19	2.49	3.32	2.49	3.57	2.64	3.69	2.56
	32	2.29	2.17	2.52	2.19	2.96	2.45	3.16	2.48	3.28	2.47	3.52	2.63	3.64	2.55
	34	2.29	2.17	2.51	2.18	2.95	2.45	3.12	2.46	3.23	2.46	3.44	2.58	3.56	2.52
	35	2.29	2.17	2.50	2.18	2.95	2.45	3.10	2.46	3.20	2.45	3.41	2.57	3.53	2.51
	36	2.29	2.17	2.50	2.18	2.92	2.43	3.08	2.45	3.17	2.43	3.35	2.55	3.46	2.49
	38	2.29	2.17	2.50	2.18	2.88	2.41	3.05	2.44	3.11	2.41	3.22	2.51	3.32	2.45
	39	2.29	2.17	2.49	2.17	2.86	2.41	3.04	2.43	3.08	2.40	3.16	2.49	3.25	2.43
	41	2.29	2.17	2.48	2.17	2.77	2.37	2.91	2.38	2.95	2.35	3.02	2.44	3.10	2.38
	43	2.29	2.17	2.47	2.16	2.68	2.34	2.79	2.33	2.82	2.30	2.88	2.40	2.95	2.34

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	1.98	1.98	1.98	1.98	1.98
	-17.8	-18	2.11	2.11	2.11	2.11	2.11
	-15.7	-16	2.23	2.23	2.23	2.23	2.23
	-13.7	-14	2.36	2.36	2.36	2.36	2.36
	-11.7	-12	2.49	2.49	2.49	2.49	2.49
Me	-9.6	-10	2.61	2.61	2.61	2.61	2.61
	-7.5	-8	2.77	2.77	2.77	2.77	2.77
9	-5.5	-6	2.93	2.93	2.93	2.93	2.93
(m^3/min)	-3.4	-4	3.03	3.03	3.03	3.00	2.97
	-1.3	-2	3.14	3.13	3.12	3.06	3.00
	0.8	0	3.31	3.26	3.21	3.10	2.98
	3.9	3	3.59	3.46	3.33	3.15	2.96
	7.0	6	3.92	3.67	3.41	3.17	2.93
	10.1	9	3.90	3.65	3.40	3.15	2.91
	13.2	12	3.87	3.62	3.38	3.13	2.88
	16.9	15.5	3.84	3.59	3.35	3.10	2.85

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
	10			2.08	1.75	2.49	1.98	2.69	2.02	2.86	2.05	3.21	2.21	3.33	2.16
	12			2.08	1.75	2.49	1.98	2.69	2.02	2.86	2.05	3.20	2.21	3.32	2.16
	14			2.08	1.75	2.49	1.98	2.69	2.02	2.86	2.05	3.19	2.21	3.30	2.15
	16			2.08	1.75	2.49	1.98	2.69	2.02	2.85	2.04	3.17	2.20	3.29	2.15
	18			2.08	1.75	2.49	1.98	2.69	2.02	2.85	2.04	3.16	2.20	3.27	2.14
Lo	20			2.08	1.75	2.49	1.98	2.69	2.02	2.85	2.04	3.15	2.19	3.26	2.13
	22			2.08	1.75	2.49	1.98	2.69	2.02	2.83	2.04	3.11	2.18	3.22	2.12
7	24			2.08	1.75	2.49	1.98	2.69	2.02	2.82	2.03	3.07	2.16	3.17	2.10
(m^3/min)	26			2.07	1.75	2.48	1.98	2.67	2.01	2.79	2.02	3.02	2.14	3.12	2.09
	28	1.88	1.73	2.07	1.75	2.46	1.97	2.64	2.00	2.75	2.00	2.97	2.13	3.07	2.07
	30	1.88	1.73	2.07	1.75	2.44	1.96	2.62	2.00	2.72	1.99	2.93	2.11	3.03	2.06
	32	1.88	1.73	2.06	1.75	2.43	1.96	2.59	1.98	2.69	1.98	2.88	2.09	2.98	2.04
	34	1.88	1.73	2.06	1.75	2.42	1.95	2.56	1.97	2.65	1.97	2.82	2.07	2.92	2.02
	35	1.88	1.73	2.05	1.74	2.41	1.95	2.54	1.96	2.62	1.95	2.79	2.06	2.89	2.00
	36	1.88	1.73	2.05	1.74	2.39	1.94	2.53	1.96	2.60	1.94	2.74	2.04	2.83	1.98
	38	1.88	1.73	2.04	1.74	2.36	1.93	2.50	1.95	2.55	1.92	2.64	2.00	2.72	1.95
	39	1.88	1.73	2.04	1.74	2.34	1.92	2.49	1.94	2.52	1.91	2.59	1.98	2.66	1.93
	41	1.88	1.73	2.03	1.73	2.27	1.89	2.39	1.90	2.42	1.88	2.48	1.94	2.54	1.89
	43	1.88	1.73	2.03	1.73	2.20	1.86	2.29	1.86	2.31	1.83	2.36	1.90	2.41	1.85

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	1.61	1.61	1.61	1.61	1.61
	-17.8	-18	1.71	1.71	1.71	1.71	1.71
	-15.7	-16	1.81	1.81	1.81	1.81	1.81
	-13.7	-14	1.92	1.92	1.92	1.92	1.92
	-11.7	-12	2.02	2.02	2.02	2.02	2.02
Lo	-9.6	-10	2.12	2.12	2.12	2.12	2.12
	-7.5	-8	2.25	2.25	2.25	2.25	2.25
7	-5.5	-6	2.38	2.38	2.38	2.38	2.38
(m^3/min)	-3.4	-4	2.47	2.46	2.46	2.43	2.41
	-1.3	-2	2.55	2.54	2.53	2.49	2.44
	0.8	0	2.69	2.65	2.61	2.52	2.42
	3.9	3	2.92	2.81	2.71	2.56	2.40
	7.0	6	3.19	2.98	2.77	2.58	2.38
	10.1	9	3.16	2.96	2.76	2.56	2.36
	13.2	12	3.14	2.94	2.74	2.54	2.34
	16.9	15.5	3.12	2.92	2.72	2.52	2.32

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PFA003Z958

Model **FDE45KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
P-Hi	10			3.69	2.94	4.41	3.33	4.77	3.40	5.07	3.44	5.68	3.73	5.90	3.63
	12			3.69	2.94	4.41	3.33	4.77	3.40	5.07	3.44	5.66	3.72	5.88	3.62
	14			3.69	2.94	4.41	3.33	4.77	3.40	5.06	3.44	5.64	3.71	5.85	3.61
	16			3.69	2.94	4.41	3.33	4.77	3.40	5.05	3.43	5.62	3.70	5.83	3.60
	18			3.69	2.94	4.41	3.33	4.77	3.40	5.05	3.43	5.60	3.69	5.80	3.59
	20			3.69	2.94	4.41	3.33	4.77	3.40	5.04	3.43	5.58	3.69	5.78	3.59
	22			3.68	2.94	4.41	3.33	4.77	3.40	5.02	3.42	5.51	3.66	5.70	3.55
11	24			3.68	2.94	4.41	3.33	4.77	3.40	4.99	3.41	5.44	3.63	5.62	3.53
(m^3/min)	26			3.68	2.94	4.39	3.32	4.73	3.38	4.93	3.39	5.35	3.60	5.53	3.50
	28	3.33	2.90	3.67	2.93	4.37	3.31	4.68	3.36	4.88	3.37	5.27	3.57	5.44	3.46
	30	3.33	2.90	3.66	2.93	4.33	3.29	4.64	3.35	4.82	3.34	5.19	3.54	5.36	3.44
	32	3.33	2.90	3.65	2.92	4.30	3.28	4.59	3.33	4.76	3.32	5.11	3.50	5.28	3.41
	34	3.33	2.90	3.64	2.92	4.28	3.27	4.53	3.30	4.69	3.29	5.00	3.46	5.17	3.37
	35	3.33	2.90	3.64	2.92	4.28	3.27	4.50	3.29	4.65	3.28	4.95	3.45	5.12	3.35
	36	3.33	2.90	3.63	2.92	4.24	3.26	4.48	3.28	4.60	3.26	4.86	3.41	5.02	3.32
	38	3.33	2.90	3.62	2.91	4.18	3.23	4.43	3.26	4.52	3.23	4.68	3.35	4.82	3.25
	39	3.33	2.90	3.62	2.91	4.15	3.21	4.41	3.26	4.47	3.21	4.59	3.31	4.72	3.22
	41	3.33	2.90	3.61	2.91	4.02	3.16	4.23	3.18	4.28	3.13	4.39	3.24	4.50	3.13
	43	3.33	2.90	3.59	2.90	3.90	3.11	4.05	3.11	4.09	3.05	4.18	3.15	4.28	3.06

Heat Mode

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi	-19.8	-20	2.90	2.90	2.90	2.90	2.90
	-17.8	-18	3.09	3.09	3.09	3.09	3.09
	-15.7	-16	3.27	3.27	3.27	3.27	3.27
	-13.7	-14	3.46	3.46	3.46	3.46	3.46
	-11.7	-12	3.65	3.65	3.65	3.65	3.65
	-9.6	-10	3.83	3.83	3.83	3.83	3.83
	-7.5	-8	4.07	4.07	4.07	4.07	4.07
11	-5.5	-6	4.30	4.30	4.30	4.30	4.30
(m^3/min)	-3.4	-4	4.45	4.44	4.44	4.39	4.35
	-1.3	-2	4.60	4.59	4.58	4.49	4.40
	0.8	0	4.85	4.78	4.71	4.54	4.38
	3.9	3	5.26	5.08	4.89	4.61	4.34
	7.0	6	5.75	5.38	5.00	4.65	4.30
	10.1	9	5.71	5.35	4.98	4.62	4.26
	13.2	12	5.68	5.31	4.95	4.59	4.23
	16.9	15.5	5.63	5.27	4.91	4.54	4.18

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
Hi	10			3.57	2.77	4.26	3.13	4.61	3.22	4.91	3.27	5.50	3.52	5.71	3.43
	12			3.57	2.77	4.26	3.13	4.61	3.22	4.90	3.26	5.48	3.51	5.68	3.42
	14			3.57	2.77	4.26	3.13	4.61	3.22	4.89	3.25	5.46	3.50	5.66	3.41
	16			3.57	2.77	4.26	3.13	4.61	3.22	4.89	3.25	5.44	3.50	5.63	3.40
	18			3.57	2.77	4.26	3.13	4.61	3.22	4.88	3.25	5.42	3.49	5.61	3.39
	20			3.57	2.77	4.26	3.13	4.61	3.22	4.87	3.25	5.40	3.48	5.58	3.38
	22			3.56	2.77	4.26	3.13	4.61	3.22	4.85	3.24	5.33	3.45	5.51	3.35
10	24			3.56	2.77	4.26	3.13	4.61	3.22	4.83	3.23	5.26	3.42	5.43	3.33
(m^3/min)	26			3.55	2.76	4.24	3.12	4.57	3.20	4.77	3.21	5.18	3.40	5.35	3.29
	28	3.22	2.73	3.55	2.76	4.22	3.11	4.52	3.18	4.71	3.18	5.09	3.36	5.26	3.26
	30	3.22	2.73	3.54	2.76	4.19	3.10	4.48	3.15	4.66	3.16	5.02	3.33	5.18	3.23
	32	3.22	2.73	3.53	2.76	4.15	3.08	4.44	3.13	4.60	3.12	4.94	3.30	5.11	3.21
	34	3.22	2.73	3.52	2.75	4.14	3.08	4.38	3.11	4.53	3.10	4.83	3.26	5.00	3.17
	35	3.22	2.73	3.51	2.75	4.13	3.08	4.35	3.10	4.49	3.08	4.78	3.24	4.95	3.15
	36	3.22	2.73	3.51	2.75	4.10	3.06	4.33	3.09	4.45	3.07	4.70	3.20	4.85	3.12
	38	3.22	2.73	3.50	2.74	4.04	3.04	4.28	3.07	4.36	3.03	4.52	3.14	4.66	3.05
	39	3.22	2.73	3.50	2.74	4.01	3.03	4.26	3.06	4.32	3.02	4.44	3.11	4.56	3.02
	41	3.22	2.73	3.49	2.74	3.89	2.98	4.09	2.99	4.14	2.95	4.24	3.04	4.35	2.94
	43	3.22	2.73	3.47	2.73	3.77	2.92	3.92	2.92	3.96	2.87	4.04	2.96	4.14	2.86

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi	-19.8	-20	2.82	2.82	2.82	2.82	2.82
	-17.8	-18	3.00	3.00	3.00	3.00	3.00
	-15.7	-16	3.18	3.18	3.18	3.18	3.18
	-13.7	-14	3.36	3.36	3.36	3.36	3.36
	-11.7	-12	3.54	3.54	3.54	3.54	3.54
	-9.6	-10	3.73	3.73	3.73	3.73	3.73
	-7.5	-8	3.95	3.95	3.95	3.95	3.95
10	-5.5	-6	4.18	4.18	4.18	4.18	4.18
(m^3/min)	-3.4	-4	4.33	4.32	4.31	4.27	4.23
	-1.3	-2	4.47	4.46	4.45	4.36	4.28
	0.8	0	4.71	4.65	4.58	4.42	4.25
	3.9	3	5.12	4.93	4.75	4.48	4.22
	7.0	6	5.59	5.22	4.86	4.52	4.18
	10.1	9	5.55	5.20	4.84	4.49	4.14
	13.2	12	5.52	5.16	4.81	4.46	4.11
	16.9	15.5	5.47	5.12	4.77	4.42	4.06

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
Me	10			3.18	2.50	3.80	2.83	4.11	2.90	4.38	2.95	4.90	3.17	5.09	3.09
	12			3.18	2.50	3.80	2.83	4.11	2.90	4.37	2.94	4.88	3.17	5.07	3.08
	14			3.18	2.50	3.80	2.83	4.11	2.90	4.36	2.94	4.87	3.16	5.05	3.06
	16			3.18	2.50	3.80	2.83	4.11	2.90	4.36	2.94	4.85	3.16	5.02	3.05
	18			3.18	2.50	3.80	2.83	4.11	2.90	4.35	2.93	4.83	3.15	5.00	3.05
	20			3.18	2.50	3.80	2.83	4.11	2.90	4.35	2.93	4.81	3.14	4.98	3.04
	22			3.18	2.50	3.80	2.83	4.11	2.90	4.33	2.92	4.75	3.10	4.91	3.02
9	24			3.17	2.50	3.80	2.83	4.11	2.90	4.31	2.91	4.69	3.08	4.84	2.99
(m^3/min)	26			3.17	2.50	3.78	2.82	4.07	2.88	4.26	2.89	4.62	3.06	4.77	2.97
	28	2.87	2.46	3.17	2.50	3.76	2.81	4.04	2.87	4.20	2.87	4.54	3.03	4.69	2.94
	30	2.87	2.46	3.16	2.49	3.73	2.80	4.00	2.85	4.16	2.85	4.47	3.00	4.62	2.92
	32	2.87	2.46	3.15	2.49	3.71	2.79	3.96	2.83	4.11	2.83	4.40	2.97	4.55	2.89
	34	2.87	2.46	3.14	2.49	3.69	2.78	3.91	2.81	4.04	2.80	4.31	2.94	4.46	2.86
	35	2.87	2.46	3.14	2.49	3.69	2.78	3.88	2.80	4.01	2.79	4.26	2.92	4.41	2.85
	36	2.87	2.46	3.13	2.48	3.66	2.77	3.86	2.79	3.97	2.77	4.19	2.90	4.33	2.82
	38	2.87	2.46	3.12	2.48	3.60	2.75	3.82	2.78	3.89	2.74	4.04	2.84	4.16	2.76
	39	2.87	2.46	3.12	2.48	3.57	2.73	3.80	2.77	3.85	2.73	3.96	2.81	4.07	2.73
	41	2.87	2.46	3.11	2.47	3.47	2.69	3.65	2.71	3.69	2.66	3.78	2.75	3.88	2.67
	43	2.87	2.46	3.10	2.46	3.36	2.64	3.49	2.64	3.53	2.60	3.61	2.69	3.69	2.61

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me	-19.8	-20	2.47	2.47	2.47	2.47	2.47
	-17.8	-18	2.63	2.63	2.63	2.63	2.63
	-15.7	-16	2.79	2.79	2.79	2.79	2.79
	-13.7	-14	2.95	2.95	2.95	2.95	2.95
	-11.7	-12	3.11	3.11	3.11	3.11	3.11
	-9.6	-10	3.27	3.27	3.27	3.27	3.27
	-7.5	-8	3.46	3.46	3.46	3.46	3.46
9	-5.5	-6	3.66	3.66	3.66	3.66	3.66
(m^3/min)	-3.4	-4	3.79	3.79	3.78	3.74	3.71
	-1.3	-2	3.92	3.91	3.90	3.82	3.75
	0.8	0	4.13	4.07	4.02	3.87	3.73
	3.9	3	4.48	4.32	4.16	3.93	3.70
	7.0	6	4.90	4.58	4.26	3.96	3.66
	10.1	9	4.87	4.56	4.24	3.94	3.63
	13.2	12	4.84	4.53	4.22	3.91	3.60
	16.9	15.5	4.80	4.49	4.18	3.87	3.56

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
Lo	10			2.61	2.03	3.12	2.29	3.37	2.35	3.59	2.39	4.02	2.57	4.17	2.50
	12			2.61	2.03	3.12	2.29	3.37	2.35	3.58	2.38	4.00	2.56	4.15	2.49
	14			2.61	2.03	3.12	2.29	3.37	2.35	3.58	2.38	3.99	2.56	4.14	2.49
	16			2.61	2.03	3.12	2.29	3.37	2.35	3.57	2.38	3.97	2.55	4.12	2.48
	18			2.61	2.03	3.12	2.29	3.37	2.35	3.57	2.38	3.96	2.55	4.10	2.47
	20			2.61	2.03	3.12	2.29	3.37	2.35	3.56	2.37	3.94	2.54	4.08	2.47
	22			2.60	2.02	3.11	2.29	3.37	2.35	3.55	2.37	3.89	2.52	4.03	2.45
7	24			2.60	2.02	3.11	2.29	3.37	2.35	3.53	2.36	3.84	2.50	3.97	2.43
(m^3/min)	26			2.60	2.02	3.10	2.29	3.34	2.33	3.49	2.34	3.78	2.48	3.91	2.41
	28	2.35	1.99	2.59	2.02	3.08	2.28	3.31	2.32	3.45	2.32	3.72	2.45	3.85	2.38
	30	2.35	1.99	2.59	2.02	3.06	2.27	3.28	2.31	3.41	2.31	3.67	2.43	3.79	2.36
	32	2.35	1.99	2.58	2.01	3.04	2.26	3.24	2.29	3.37	2.29	3.61	2.41	3.73	2.34
	34	2.35	1.99	2.57	2.01	3.03	2.25	3.20	2.28	3.31	2.27	3.53	2.38	3.66	2.32
	35	2.35	1.99	2.57	2.01	3.02	2.25	3.18	2.27	3.29	2.26	3.50	2.37	3.62	2.30
	36	2.35	1.99	2.57	2.01	3.00	2.24	3.16	2.26	3.25	2.24	3.43	2.34	3.55	2.28
	38	2.35	1.99	2.56	2.00	2.95	2.22	3.13	2.25	3.19	2.22	3.31	2.30	3.41	2.23
	39	2.35	1.99	2.56	2.00	2.93	2.21	3.12	2.24	3.16	2.21	3.24	2.27	3.34	2.21
	41	2.35	1.99	2.55	2.00	2.84	2.17	2.99	2.18	3.03	2.15	3.10	2.21	3.18	2.15
	43	2.35	1.99	2.54	1.99	2.75	2.13	2.86	2.13	2.89	2.10	2.96	2.16	3.02	2.10

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo	-19.8	-20	2.01	2.01	2.01	2.01	2.01
	-17.8	-18	2.14	2.14	2.14	2.14	2.14
	-15.7	-16	2.27	2.27	2.27	2.27	2.27
	-13.7	-14	2.39	2.39	2.39	2.39	2.39
	-11.7	-12	2.52	2.52	2.52	2.52	2.52
	-9.6	-10	2.65	2.65	2.65	2.65	2.65
	-7.5	-8	2.81	2.81	2.81	2.81	2.81
7	-5.5	-6	2.98	2.98	2.98	2.98	2.98
(m^3/min)	-3.4	-4	3.08	3.08	3.07	3.04	3.01
	-1.3	-2	3.18	3.17	3.17	3.11	3.04
	0.8	0	3.36	3.31	3.26	3.14	3.03
	3.9	3	3.64	3.51	3.38	3.19	3.00
	7.0	6	3.98	3.72	3.46	3.22	2.98
	10.1	9	3.95	3.70	3.45	3.20	2.95
	13.2	12	3.93	3.68	3.43	3.17	2.92
	16.9	15.5	3.90	3.65	3.40	3.14	2.89

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PFA003Z958

Model **FDE56KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃CWB		23 ℃CDB 16 ℃CWB		26 ℃CDB 18 ℃CWB		27 ℃CDB 19 ℃CWB		28 ℃CDB 20 ℃CWB		31 ℃CDB 22 ℃CWB		33 ℃CDB 24 ℃CWB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
P-Hi	10			4.59	3.40	5.49	3.86	5.94	3.97	6.32	4.03	7.07	4.34	7.35	4.22
	12			4.59	3.40	5.49	3.86	5.94	3.97	6.31	4.03	7.05	4.34	7.31	4.20
	14			4.59	3.40	5.49	3.86	5.94	3.97	6.30	4.02	7.02	4.32	7.28	4.18
	16			4.59	3.40	5.49	3.86	5.94	3.97	6.29	4.02	7.00	4.31	7.25	4.17
	18			4.59	3.40	5.49	3.86	5.94	3.97	6.28	4.01	6.97	4.30	7.22	4.16
	20			4.59	3.40	5.49	3.86	5.94	3.97	6.27	4.01	6.95	4.29	7.19	4.15
	22			4.58	3.40	5.49	3.86	5.94	3.97	6.24	4.00	6.86	4.24	7.09	4.11
11	24			4.58	3.40	5.48	3.85	5.94	3.97	6.21	3.98	6.77	4.21	6.99	4.07
(m^3/min)	26			4.57	3.39	5.46	3.85	5.88	3.94	6.14	3.95	6.66	4.16	6.88	4.03
	28	4.14	3.33	4.57	3.39	5.43	3.83	5.82	3.91	6.07	3.92	6.56	4.12	6.78	3.99
	30	4.14	3.33	4.56	3.39	5.39	3.81	5.77	3.89	6.00	3.89	6.46	4.08	6.67	3.96
	32	4.14	3.33	4.55	3.38	5.35	3.79	5.71	3.86	5.93	3.86	6.36	4.04	6.57	3.92
	34	4.14	3.33	4.53	3.37	5.33	3.78	5.64	3.83	5.83	3.82	6.22	3.99	6.44	3.87
	35	4.14	3.33	4.52	3.37	5.32	3.78	5.60	3.81	5.79	3.80	6.16	3.96	6.37	3.85
	36	4.14	3.33	4.52	3.37	5.28	3.76	5.57	3.80	5.73	3.77	6.05	3.92	6.25	3.80
	38	4.14	3.33	4.51	3.36	5.20	3.72	5.52	3.77	5.62	3.72	5.82	3.83	6.00	3.71
	39	4.14	3.33	4.50	3.36	5.16	3.71	5.49	3.76	5.56	3.70	5.71	3.78	5.87	3.67
	41	4.14	3.33	4.49	3.35	5.00	3.63	5.26	3.65	5.33	3.59	5.46	3.69	5.60	3.57
	43	4.14	3.33	4.47	3.34	4.85	3.56	5.04	3.56	5.10	3.50	5.21	3.59	5.32	3.47

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
P-Hi	-19.8	-20	3.65	3.65	3.65	3.65	3.65
	-17.8	-18	3.89	3.89	3.89	3.89	3.89
	-15.7	-16	4.12	4.12	4.12	4.12	4.12
	-13.7	-14	4.36	4.36	4.36	4.36	4.36
	-11.7	-12	4.59	4.59	4.59	4.59	4.59
	-9.6	-10	4.83	4.83	4.83	4.83	4.83
	-7.5	-8	5.12	5.12	5.12	5.12	5.12
11	-5.5	-6	5.42	5.42	5.42	5.42	5.42
(m^3/min)	-3.4	-4	5.61	5.60	5.59	5.54	5.48
	-1.3	-2	5.80	5.78	5.76	5.65	5.54
	0.8	0	6.11	6.02	5.94	5.73	5.51
	3.9	3	6.63	6.39	6.16	5.81	5.47
	7.0	6	7.25	6.77	6.30	5.86	5.42
	10.1	9	7.20	6.74	6.28	5.82	5.37
	13.2	12	7.15	6.69	6.24	5.78	5.32
	16.9	15.5	7.10	6.64	6.18	5.73	5.27

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB		23 ℃CDB 16 ℃CWB		26 ℃CDB 18 ℃CWB		27 ℃CDB 19 ℃CWB		28 ℃CDB 20 ℃CWB		31 ℃CDB 22 ℃CWB		33 ℃CDB 24 ℃CWB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Hi	10			4.43	3.22	5.29	3.65	5.72	3.76	6.09	3.82	6.82	4.12	7.08	4.00
	12			4.43	3.22	5.29	3.65	5.72	3.76	6.08	3.82	6.80	4.11	7.05	3.99
	14			4.43	3.22	5.29	3.65	5.72	3.76	6.07	3.81	6.77	4.10	7.02	3.97
	16			4.43	3.22	5.29	3.65	5.72	3.76	6.07	3.81	6.75	4.09	6.99	3.96
	18			4.43	3.22	5.29	3.65	5.72	3.76	6.06	3.81	6.72	4.08	6.96	3.95
	20			4.43	3.22	5.29	3.65	5.72	3.76	6.05	3.80	6.70	4.07	6.93	3.93
	22			4.42	3.21	5.29	3.65	5.72	3.76	6.02	3.79	6.61	4.03	6.84	3.90
10	24			4.41	3.21	5.29	3.65	5.72	3.76	5.99	3.78	6.53	3.99	6.74	3.86
(m^3/min)	26			4.41	3.21	5.26	3.63	5.67	3.73	5.92	3.75	6.43	3.95	6.64	3.81
	28	4.00	3.15	4.41	3.21	5.24	3.62	5.62	3.71	5.85	3.72	6.32	3.90	6.53	3.77
	30	4.00	3.15	4.40	3.20	5.20	3.60	5.56	3.68	5.78	3.68	6.23	3.85	6.44	3.73
	32	4.00	3.15	4.38	3.19	5.16	3.59	5.51	3.66	5.72	3.65	6.13	3.81	6.34	3.70
	34	4.00	3.15	4.37	3.18	5.14	3.58	5.44	3.63	5.62	3.61	6.00	3.76	6.21	3.65
	35	4.00	3.15	4.36	3.18	5.13	3.57	5.40	3.61	5.58	3.59	5.94	3.74	6.14	3.62
	36	4.00	3.15	4.36	3.18	5.09	3.55	5.37	3.59	5.53	3.57	5.83	3.69	6.02	3.58
	38	4.00	3.15	4.35	3.17	5.01	3.52	5.32	3.57	5.42	3.52	5.62	3.61	5.78	3.49
	39	4.00	3.15	4.34	3.17	4.98	3.50	5.29	3.55	5.36	3.50	5.51	3.57	5.67	3.45
	41	4.00	3.15	4.33	3.16	4.83	3.43	5.08	3.46	5.14	3.40	5.26	3.47	5.40	3.36
	43	4.00	3.15	4.31	3.15	4.68	3.36	4.86	3.36	4.91	3.29	5.02	3.38	5.13	3.26

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi	-19.8	-20	3.54	3.54	3.54	3.54	3.54
	-17.8	-18	3.77	3.77	3.77	3.77	3.77
	-15.7	-16	3.99	3.99	3.99	3.99	3.99
	-13.7	-14	4.22	4.22	4.22	4.22	4.22
	-11.7	-12	4.45	4.45	4.45	4.45	4.45
	-9.6	-10	4.68	4.68	4.68	4.68	4.68
	-7.5	-8	4.96	4.96	4.96	4.96	4.96
10	-5.5	-6	5.25	5.25	5.25	5.25	5.25
(m^3/min)	-3.4	-4	5.43	5.42	5.41	5.36	5.31
	-1.3	-2	5.61	5.60	5.58	5.47	5.37
	0.8	0	5.92	5.83	5.75	5.54	5.34
	3.9	3	6.42	6.19	5.96	5.63	5.29
	7.0	6	7.02	6.56	6.10	5.67	5.25
	10.1	9	6.97	6.52	6.08	5.64	5.20
	13.2	12	6.92	6.48	6.04	5.60	5.15
	16.9	15.5	6.87	6.43	5.99	5.54	5.10

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB		23 ℃CDB 16 ℃CWB		26 ℃CDB 18 ℃CWB		27 ℃CDB 19 ℃CWB		28 ℃CDB 20 ℃CWB		31 ℃CDB 22 ℃CWB		33 ℃CDB 24 ℃CWB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Me	10			3.86	2.85	4.62	3.24	4.99	3.33	5.31	3.38	5.95	3.65	6.18	3.54
	12			3.86	2.85	4.62	3.24	4.99	3.33	5.30	3.38	5.93	3.64	6.15	3.53
	14			3.86	2.85	4.62	3.24	4.99	3.33	5.30	3.38	5.91	3.63	6.12	3.52
	16			3.86	2.85	4.62	3.24	4.99	3.33	5.29	3.37	5.89	3.62	6.10	3.51
	18			3.86	2.85	4.62	3.24	4.99	3.33	5.28	3.37	5.86	3.61	6.07	3.50
	20			3.86	2.85	4.62	3.24	4.99	3.33	5.28	3.37	5.84	3.60	6.04	3.49
	22			3.86	2.85	4.61	3.23	4.99	3.33	5.25	3.35	5.77	3.57	5.96	3.46
9	24			3.85	2.85	4.61	3.23	4.99	3.33	5.23	3.34	5.69	3.54	5.88	3.42
(m^3/min)	26			3.85	2.85	4.59	3.22	4.95	3.31	5.17	3.32	5.60	3.49	5.79	3.39
	28	3.49	2.80	3.84	2.84	4.57	3.22	4.90	3.28	5.10	3.29	5.51	3.46	5.70	3.35
	30	3.49	2.80	3.83	2.84	4.53	3.20	4.85	3.26	5.04	3.26	5.43	3.42	5.61	3.32
	32	3.49	2.80	3.82	2.83	4.50	3.18	4.80	3.24	4.99	3.24	5.35	3.39	5.53	3.29
	34	3.49	2.80	3.81	2.83	4.48	3.17	4.74	3.21	4.91	3.20	5.23	3.34	5.41	3.24
	35	3.49	2.80	3.81	2.83	4.47	3.17	4.71	3.20	4.87	3.19	5.18	3.32	5.36	3.23
	36	3.49	2.80	3.80	2.82	4.44	3.16	4.69	3.19	4.82	3.17	5.08	3.28	5.25	3.19
	38	3.49	2.80	3.79	2.82	4.37	3.12	4.64	3.17	4.73	3.13	4.90	3.21	5.05	3.11
	39	3.49	2.80	3.79	2.82	4.34	3.11	4.62	3.16	4.68	3.11	4.81	3.18	4.94	3.08
	41	3.49	2.80	3.77	2.81	4.21	3.05	4.43	3.08	4.48	3.02	4.59	3.09	4.71	2.99
	43	3.49	2.80	3.76	2.80	4.08	2.99	4.24	2.99	4.29	2.94	4.38	3.01	4.48	2.91

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me	-19.8	-20	3.06	3.06	3.06	3.06	3.06
	-17.8	-18	3.26	3.26	3.26	3.26	3.26
	-15.7	-16	3.46	3.46	3.46	3.46	3.46
	-13.7	-14	3.65	3.65	3.65	3.65	3.65
	-11.7	-12	3.85	3.85	3.85	3.85	3.85
	-9.6	-10	4.05	4.05	4.05	4.05	4.05
	-7.5	-8	4.29	4.29	4.29	4.29	4.29
9	-5.5	-6	4.54	4.54	4.54	4.54	4.54
(m^3/min)	-3.4	-4	4.70	4.69	4.69	4.64	4.59
	-1.3	-2	4.86	4.84	4.83	4.74	4.65
	0.8	0	5.12	5.05	4.98	4.80	4.62
	3.9	3	5.56	5.36	5.16	4.87	4.58
	7.0	6	6.07	5.68	5.28	4.91	4.54
	10.1	9	6.03	5.65	5.26	4.88	4.50
	13.2	12	5.99	5.61	5.23	4.84	4.46
	16.9	15.5	5.95	5.56	5.18	4.80	4.42

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB		23 ℃CDB 16 ℃CWB		26 ℃CDB 18 ℃CWB		27 ℃CDB 19 ℃CWB		28 ℃CDB 20 ℃CWB		31 ℃CDB 22 ℃CWB		33 ℃CDB 24 ℃CWB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
Lo	10			3.09	2.27	3.69	2.57	4.00	2.65	4.25	2.69	4.76	2.90	4.94	2.81
	12			3.09	2.27	3.69	2.57	4.00	2.65	4.25	2.69	4.75	2.89	4.92	2.80
	14			3.09	2.27	3.69	2.57	4.00	2.65	4.24	2.69	4.73	2.88	4.90	2.80
	16			3.09	2.27	3.69	2.57	4.00	2.65	4.23	2.68	4.71	2.88	4.88	2.79
	18			3.09	2.27	3.69	2.57	4.00	2.65	4.23	2.68	4.69	2.87	4.86	2.78
	20			3.09	2.27	3.69	2.57	4.00	2.65	4.22	2.68	4.68	2.86	4.84	2.77
	22			3.09	2.27	3.69	2.57	4.00	2.65	4.20	2.67	4.62	2.84	4.77	2.74
7	24			3.08	2.26	3.69	2.57	4.00	2.65	4.18	2.66	4.56	2.81	4.71	2.72
(m^3/min)	26			3.08	2.26	3.67	2.56	3.96	2.63	4.13	2.64	4.49	2.78	4.63	2.69
	28	2.79	2.22	3.08	2.26	3.66	2.56	3.92	2.61	4.09	2.62	4.41	2.75	4.56	2.66
	30	2.79	2.22	3.07	2.26	3.63	2.54	3.88	2.59	4.04	2.60	4.35	2.72	4.49	2.64
	32	2.79	2.22	3.06	2.25	3.60	2.53	3.85	2.58	3.99	2.57	4.28	2.69	4.43	2.61
	34	2.79	2.22	3.05	2.25	3.59	2.52	3.80	2.56	3.93	2.55	4.19	2.66	4.33	2.58
	35	2.79	2.22	3.05	2.25	3.58	2.52	3.77	2.54	3.89	2.53	4.14	2.64	4.29	2.56
	36	2.79	2.22	3.04	2.24	3.55	2.50	3.75	2.53	3.86	2.52	4.07	2.61	4.20	2.53
	38	2.79	2.22	3.03	2.24	3.50	2.48	3.71	2.51	3.78	2.48	3.92	2.55	4.04	2.47
	39	2.79	2.22	3.03	2.24	3.47	2.47	3.69	2.51	3.75	2.47	3.85	2.52	3.96	2.44
	41	2.79	2.22	3.02	2.23	3.37	2.42	3.54	2.44	3.59	2.40	3.68	2.45	3.77	2.37
	43	2.79	2.22	3.01	2.23	3.27	2.38	3.39	2.37	3.43	2.33	3.50	2.38	3.58	2.30

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo	-19.8	-20	2.43	2.43	2.43	2.43	2.43
	-17.8	-18	2.59	2.59	2.59	2.59	2.59
	-15.7	-16	2.74	2.74	2.74	2.74	2.74
	-13.7	-14	2.90	2.90	2.90	2.90	2.90
	-11.7	-12	3.06	3.06	3.06	3.06	3.06
	-9.6	-10	3.21	3.21	3.21	3.21	3.21
	-7.5	-8	3.41	3.41	3.41	3.41	3.41
7	-5.5	-6	3.60	3.60	3.60	3.60	3.60
(m^3/min)	-3.4	-4	3.73	3.72	3.72	3.68	3.65
	-1.3	-2	3.85	3.84	3.83	3.76	3.69
	0.8	0	4.06	4.01	3.95	3.81	3.67
	3.9	3	4.41	4.25	4.10	3.87	3.63
	7.0	6	4.82	4.50	4.19	3.90	3.60
	10.1	9	4.79	4.48	4.17	3.87	3.57
	13.2	12	4.76	4.45	4.15	3.84	3.54
	16.9	15.5	4.72	4.42	4.11	3.81	3.50

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PFA003Z958

Model **FDE71KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
	10			5.82	4.83	6.96	5.46	7.53	5.58	8.01	5.65	8.97	6.10	9.31	5.94
	12			5.82	4.83	6.96	5.46	7.53	5.58	8.00	5.64	8.94	6.09	9.27	5.93
	14			5.82	4.83	6.96	5.46	7.53	5.58	7.99	5.64	8.90	6.07	9.23	5.91
	16			5.82	4.83	6.96	5.46	7.53	5.58	7.97	5.63	8.87	6.06	9.19	5.90
	18			5.82	4.83	6.96	5.46	7.53	5.58	7.96	5.63	8.84	6.05	9.15	5.89
P-Hi	20			5.82	4.83	6.96	5.46	7.53	5.58	7.95	5.62	8.81	6.04	9.11	5.87
	22			5.81	4.83	6.95	5.46	7.53	5.58	7.92	5.61	8.70	5.99	8.99	5.83
18	24			5.80	4.83	6.95	5.46	7.53	5.58	7.88	5.60	8.58	5.95	8.86	5.79
(m³/min)	26			5.80	4.83	6.92	5.44	7.46	5.55	7.79	5.56	8.45	5.90	8.73	5.74
	28	5.25	4.76	5.79	4.82	6.89	5.43	7.38	5.52	7.69	5.52	8.31	5.85	8.59	5.70
	30	5.25	4.76	5.78	4.82	6.83	5.41	7.31	5.49	7.60	5.48	8.19	5.81	8.46	5.65
	32	5.25	4.76	5.77	4.81	6.78	5.39	7.24	5.46	7.51	5.45	8.06	5.76	8.33	5.61
	34	5.25	4.76	5.75	4.80	6.76	5.38	7.15	5.42	7.39	5.40	7.89	5.70	8.16	5.55
	35	5.25	4.76	5.74	4.79	6.75	5.37	7.10	5.40	7.33	5.38	7.80	5.66	8.08	5.53
	36	5.25	4.76	5.73	4.79	6.69	5.35	7.06	5.39	7.26	5.35	7.66	5.61	7.92	5.47
	38	5.25	4.76	5.72	4.78	6.59	5.31	6.99	5.36	7.12	5.30	7.38	5.51	7.61	5.37
	39	5.25	4.76	5.71	4.78	6.54	5.29	6.96	5.35	7.05	5.27	7.24	5.46	7.45	5.32
	41	5.25	4.76	5.69	4.77	6.35	5.21	6.67	5.23	6.76	5.16	6.92	5.35	7.10	5.21
	43	5.25	4.76	5.67	4.76	6.15	5.13	6.39	5.12	6.46	5.04	6.60	5.24	6.75	5.10

Heat Mode

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	4.64	4.64	4.64	4.64	4.64
	-17.8	-18	4.94	4.94	4.94	4.94	4.94
	-15.7	-16	5.24	5.24	5.24	5.24	5.24
	-13.7	-14	5.54	5.54	5.54	5.54	5.54
	-11.7	-12	5.83	5.83	5.83	5.83	5.83
P-Hi	-9.6	-10	6.13	6.13	6.13	6.13	6.13
	-7.5	-8	6.51	6.51	6.51	6.51	6.51
18	-5.5	-6	6.88	6.88	6.88	6.88	6.88
(m³/min)	-3.4	-4	7.12	7.11	7.10	7.03	6.96
	-1.3	-2	7.36	7.34	7.32	7.18	7.04
	0.8	0	7.76	7.65	7.54	7.27	7.00
	3.9	3	8.42	8.12	7.82	7.38	6.94
	7.0	6	9.20	8.60	8.00	7.44	6.88
	10.1	9	9.14	8.56	7.97	7.40	6.82
	13.2	12	9.08	8.50	7.92	7.34	6.76
	16.9	15.5	9.01	8.43	7.85	7.27	6.69

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
	10			5.61	4.49	6.71	5.08	7.26	5.20	7.73	5.27	8.65	5.69	8.98	5.54
	12			5.61	4.49	6.71	5.08	7.26	5.20	7.71	5.26	8.62	5.68	8.95	5.53
	14			5.61	4.49	6.71	5.08	7.26	5.20	7.70	5.26	8.59	5.66	8.91	5.51
	16			5.61	4.49	6.71	5.08	7.26	5.20	7.69	5.25	8.56	5.65	8.87	5.50
	18			5.61	4.49	6.71	5.08	7.26	5.20	7.68	5.25	8.53	5.64	8.83	5.48
Hi	20			5.61	4.49	6.71	5.08	7.26	5.20	7.67	5.24	8.50	5.63	8.79	5.47
	22			5.61	4.49	6.71	5.08	7.26	5.20	7.64	5.23	8.39	5.59	8.67	5.43
16	24			5.60	4.49	6.71	5.08	7.26	5.20	7.60	5.21	8.28	5.54	8.55	5.39
(m³/min)	26			5.59	4.48	6.68	5.06	7.19	5.17	7.51	5.18	8.15	5.49	8.42	5.34
	28	5.07	4.42	5.59	4.48	6.64	5.05	7.12	5.14	7.42	5.14	8.02	5.44	8.29	5.30
	30	5.07	4.42	5.58	4.48	6.59	5.03	7.06	5.11	7.34	5.11	7.90	5.39	8.16	5.24
	32	5.07	4.42	5.56	4.47	6.54	5.00	6.99	5.08	7.25	5.07	7.78	5.35	8.04	5.20
	34	5.07	4.42	5.54	4.46	6.52	5.00	6.90	5.04	7.13	5.02	7.61	5.28	7.87	5.14
	35	5.07	4.42	5.53	4.45	6.51	4.99	6.85	5.02	7.08	5.00	7.53	5.25	7.79	5.12
	36	5.07	4.42	5.53	4.45	6.46	4.97	6.82	5.01	7.01	4.98	7.39	5.20	7.64	5.06
	38	5.07	4.42	5.51	4.45	6.36	4.93	6.75	4.98	6.87	4.92	7.12	5.10	7.34	4.96
	39	5.07	4.42	5.51	4.45	6.31	4.91	6.71	4.97	6.80	4.89	6.99	5.05	7.19	4.91
	41	5.07	4.42	5.49	4.44	6.12	4.83	6.44	4.85	6.52	4.78	6.68	4.94	6.85	4.80
	43	5.07	4.42	5.47	4.43	5.93	4.75	6.17	4.75	6.23	4.67	6.37	4.83	6.51	4.69

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	4.46	4.46	4.46	4.46	4.46
	-17.8	-18	4.75	4.75	4.75	4.75	4.75
	-15.7	-16	5.03	5.03	5.03	5.03	5.03
	-13.7	-14	5.32	5.32	5.32	5.32	5.32
	-11.7	-12	5.61	5.61	5.61	5.61	5.61
Hi	-9.6	-10	5.90	5.90	5.90	5.90	5.90
	-7.5	-8	6.25	6.25	6.25	6.25	6.25
16	-5.5	-6	6.61	6.61	6.61	6.61	6.61
(m³/min)	-3.4	-4	6.84	6.83	6.82	6.76	6.69
	-1.3	-2	7.07	7.06	7.04	6.90	6.77
	0.8	0	7.46	7.35	7.25	6.99	6.73
	3.9	3	8.09	7.81	7.52	7.09	6.67
	7.0	6	8.84	8.27	7.69	7.15	6.61
	10.1	9	8.79	8.22	7.66	7.11	6.56
	13.2	12	8.73	8.17	7.61	7.06	6.50
	16.9	15.5	8.66	8.10	7.55	6.99	6.43

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
	10			4.76	3.84	5.69	4.34	6.16	4.45	6.55	4.51	7.34	4.86	7.62	4.74
	12			4.76	3.84	5.69	4.34	6.16	4.45	6.54	4.50	7.31	4.85	7.59	4.73
	14			4.76	3.84	5.69	4.34	6.16	4.45	6.53	4.50	7.29	4.84	7.56	4.71
	16			4.76	3.84	5.69	4.34	6.16	4.45	6.53	4.50	7.26	4.83	7.52	4.70
	18			4.76	3.84	5.69	4.34	6.16	4.45	6.52	4.49	7.23	4.82	7.49	4.69
Me	20			4.76	3.84	5.69	4.34	6.16	4.45	6.51	4.49	7.21	4.81	7.46	4.68
	22			4.76	3.84	5.69	4.34	6.16	4.45	6.48	4.48	7.12	4.78	7.35	4.64
14	24			4.75	3.84	5.69	4.34	6.16	4.45	6.45	4.47	7.02	4.74	7.25	4.61
(m³/min)	26			4.74	3.83	5.66	4.33	6.10	4.43	6.37	4.43	6.91	4.70	7.14	4.57
	28	4.30	3.79	4.74	3.83	5.64	4.32	6.04	4.39	6.30	4.41	6.80	4.66	7.03	4.53
	30	4.30	3.79	4.73	3.83	5.59	4.30	5.98	4.37	6.22	4.37	6.70	4.62	6.92	4.50
	32	4.30	3.79	4.72	3.82	5.55	4.29	5.93	4.35	6.15	4.34	6.60	4.58	6.82	4.46
	34	4.30	3.79	4.70	3.81	5.53	4.28	5.85	4.32	6.05	4.30	6.46	4.53	6.68	4.41
	35	4.30	3.79	4.69	3.81	5.52	4.27	5.81	4.30	6.00	4.28	6.39	4.50	6.61	4.38
	36	4.30	3.79	4.69	3.81	5.48	4.26	5.78	4.29	5.94	4.26	6.27	4.46	6.48	4.34
	38	4.30	3.79	4.68	3.80	5.39	4.22	5.72	4.26	5.83	4.21	6.04	4.37	6.22	4.25
	39	4.30	3.79	4.67	3.80	5.35	4.20	5.69	4.25	5.77	4.19	5.93	4.33	6.10	4.21
	41	4.30	3.79	4.65	3.79	5.19	4.13	5.46	4.16	5.53	4.10	5.66	4.24	5.81	4.12
	43	4.30	3.79	4.64	3.79	5.03	4.07	5.23	4.06	5.29	4.00	5.40	4.15	5.52	4.03

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	3.74	3.74	3.74	3.74	3.74
	-17.8	-18	3.98	3.98	3.98	3.98	3.98
	-15.7	-16	4.22	4.22	4.22	4.22	4.22
	-13.7	-14	4.46	4.46	4.46	4.46	4.46
	-11.7	-12	4.70	4.70	4.70	4.70	4.70
Me	-9.6	-10	4.95	4.95	4.95	4.95	4.95
	-7.5	-8	5.25	5.25	5.25	5.25	5.25
14	-5.5	-6	5.55	5.55	5.55	5.55	5.55
(m³/min)	-3.4	-4	5.74	5.73	5.72	5.67	5.61
	-1.3	-2	5.93	5.92	5.90	5.79	5.68
	0.8	0	6.26	6.17	6.08	5.86	5.64
	3.9	3	6.79	6.55	6.30	5.95	5.60
	7.0	6	7.42	6.93	6.45	6.00	5.55
	10.1	9	7.37	6.90	6.43	5.96	5.50
	13.2	12	7.32	6.85	6.39	5.92	5.45
	16.9	15.5	7.26	6.80	6.33	5.86	5.39

Air flow	Outdoor air temp. (℃CDB)	Indoor air temperature 21 ℃CDB 14 ℃CWB TC	SHC	23 ℃CDB 16 ℃CWB TC	SHC	26 ℃CDB 18 ℃CWB TC	SHC	27 ℃CDB 19 ℃CWB TC	SHC	28 ℃CDB 20 ℃CWB TC	SHC	31 ℃CDB 22 ℃CWB TC	SHC	33 ℃CDB 24 ℃CWB TC	SHC
	10			4.19	3.35	5.01	3.78	5.42	3.87	5.76	3.92	6.46	4.24	6.70	4.12
	12			4.19	3.35	5.01	3.78	5.42	3.87	5.76	3.92	6.43	4.23	6.67	4.11
	14			4.19	3.35	5.01	3.78	5.42	3.87	5.75	3.92	6.41	4.22	6.64	4.10
	16			4.19	3.35	5.01	3.78	5.42	3.87	5.74	3.91	6.39	4.21	6.62	4.09
	18			4.19	3.35	5.01	3.78	5.42	3.87	5.73	3.91	6.36	4.20	6.59	4.08
Lo	20			4.19	3.35	5.01	3.78	5.42	3.87	5.72	3.91	6.34	4.19	6.56	4.07
	22			4.18	3.34	5.01	3.78	5.42	3.87	5.70	3.90	6.26	4.16	6.47	4.04
12	24			4.18	3.34	5.00	3.78	5.42	3.87	5.67	3.89	6.18	4.12	6.38	4.01
(m³/min)	26			4.17	3.34	4.98	3.77	5.37	3.85	5.60	3.86	6.08	4.09	6.28	3.97
	28	3.78	3.29	4.17	3.34	4.96	3.76	5.31	3.83	5.54	3.83	5.98	4.05	6.18	3.94
	30	3.78	3.29	4.16	3.33	4.92	3.74	5.26	3.81	5.47	3.80	5.89	4.02	6.09	3.91
	32	3.78	3.29	4.15	3.33	4.88	3.73	5.21	3.78	5.41	3.78	5.80	3.98	6.00	3.88
	34	3.78	3.29	4.14	3.32	4.86	3.72	5.14	3.75	5.32	3.74	5.68	3.94	5.87	3.83
	35	3.78	3.29	4.13	3.32	4.85	3.71	5.11	3.74	5.28	3.72	5.62	3.91	5.81	3.81
	36	3.78	3.29	4.12	3.31	4.82	3.70	5.08	3.73	5.23	3.70	5.52	3.88	5.70	3.77
	38	3.78	3.29	4.11	3.31	4.74	3.67	5.03	3.71	5.13	3.66	5.31	3.80	5.47	3.69
	39	3.78	3.29	4.11	3.31	4.71	3.65	5.01	3.70	5.08	3.64	5.21	3.76	5.36	3.66
	41	3.78	3.29	4.09	3.30	4.57	3.59	4.80	3.61	4.86	3.56	4.98	3.68	5.11	3.57
	43	3.78	3.29	4.08	3.29	4.43	3.54	4.60	3.53	4.65	3.48	4.75	3.60	4.86	3.49

Air flow	outdoor temp DB	WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	3.26	3.26	3.26	3.26	3.26
	-17.8	-18	3.47	3.47	3.47	3.47	3.47
	-15.7	-16	3.68	3.68	3.68	3.68	3.68
	-13.7	-14	3.89	3.89	3.89	3.89	3.89
	-11.7	-12	4.10	4.10	4.10	4.10	4.10
Lo	-9.6	-10	4.31	4.31	4.31	4.31	4.31
	-7.5	-8	4.57	4.57	4.57	4.57	4.57
12	-5.5	-6	4.83	4.83	4.83	4.83	4.83
(m³/min)	-3.4	-4	5.00	4.99	4.99	4.94	4.89
	-1.3	-2	5.17	5.16	5.14	5.04	4.95
	0.8	0	5.45	5.37	5.30	5.11	4.92
	3.9	3	5.92	5.70	5.49	5.18	4.88
	7.0	6	6.46	6.04	5.62	5.23	4.83
	10.1	9	6.42	6.01	5.60	5.19	4.79
	13.2	12	6.38	5.97	5.56	5.16	4.75
	16.9	15.5	6.33	5.92	5.51	5.11	4.70

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PFA003Z958

Model **FDE112KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
P-Hi 28 (m³/min)	10			9.18	7.57	10.97	8.56	11.87	8.74	12.63	8.85	14.15	9.57	14.69	9.33
	12			9.18	7.57	10.97	8.56	11.87	8.74	12.61	8.84	14.10	9.55	14.63	9.31
	14			9.18	7.57	10.97	8.56	11.87	8.74	12.60	8.84	14.05	9.52	14.56	9.28
	16			9.18	7.57	10.97	8.56	11.87	8.74	12.58	8.83	14.00	9.50	14.50	9.25
	18			9.18	7.57	10.97	8.56	11.87	8.74	12.56	8.82	13.94	9.48	14.44	9.23
	20			9.18	7.57	10.97	8.56	11.87	8.74	12.55	8.82	13.89	9.46	14.37	9.20
	22			9.17	7.57	10.97	8.56	11.87	8.74	12.49	8.80	13.72	9.40	14.18	9.14
	24			9.15	7.56	10.97	8.56	11.87	8.74	12.43	8.77	13.54	9.33	13.98	9.07
	26			9.15	7.56	10.92	8.54	11.76	8.70	12.28	8.71	13.33	9.25	13.77	9.00
	28	8.29	7.46	9.14	7.56	10.86	8.51	11.65	8.65	12.14	8.66	13.11	9.17	13.55	8.92
	30	8.29	7.46	9.12	7.55	10.78	8.48	11.54	8.61	12.00	8.60	12.91	9.09	13.35	8.86
	32	8.29	7.46	9.09	7.54	10.70	8.44	11.42	8.56	11.85	8.54	12.71	9.02	13.15	8.79
	34	8.29	7.46	9.06	7.52	10.66	8.43	11.27	8.49	11.66	8.47	12.45	8.92	12.87	8.70
	35	8.29	7.46	9.05	7.52	10.64	8.42	11.20	8.47	11.57	8.43	12.31	8.87	12.74	8.65
	36	8.29	7.46	9.04	7.51	10.56	8.38	11.14	8.44	11.46	8.39	12.09	8.79	12.49	8.57
	38	8.29	7.46	9.02	7.51	10.40	8.32	11.03	8.40	11.24	8.30	11.65	8.64	12.00	8.41
	39	8.29	7.46	9.00	7.50	10.32	8.28	10.98	8.38	11.13	8.26	11.43	8.56	11.75	8.33
	41	8.29	7.46	8.97	7.48	10.01	8.15	10.53	8.20	10.66	8.08	10.92	8.38	11.20	8.15
	43	8.29	7.46	8.94	7.47	9.70	8.03	10.08	8.02	10.19	7.90	10.41	8.20	10.65	7.98

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 28 (m³/min)	-19.8	-20	7.25	7.25	7.25	7.25	7.25
	-17.8	-18	7.72	7.72	7.72	7.72	7.72
	-15.7	-16	8.18	8.18	8.18	8.18	8.18
	-13.7	-14	8.65	8.65	8.65	8.65	8.65
	-11.7	-12	9.12	9.12	9.12	9.12	9.12
	-9.6	-10	9.58	9.58	9.58	9.58	9.58
	-7.5	-8	10.17	10.17	10.17	10.17	10.17
	-5.5	-6	10.75	10.75	10.75	10.75	10.75
	-3.4	-4	11.13	11.11	11.09	10.98	10.88
	-1.3	-2	11.50	11.47	11.44	11.22	11.00
	0.8	0	12.13	11.95	11.78	11.36	10.94
	3.9	3	13.16	12.69	12.22	11.53	10.84
	7.0	6	14.38	13.44	12.50	11.63	10.75
	10.1	9	14.28	13.37	12.45	11.55	10.66
	13.2	12	14.19	13.28	12.38	11.47	10.56
	16.9	15.5	14.08	13.17	12.27	11.36	10.45

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 26 (m³/min)	10			9.02	7.25	10.78	8.20	11.66	8.38	12.41	8.50	13.90	9.18	14.43	8.94
	12			9.02	7.25	10.78	8.20	11.66	8.38	12.39	8.49	13.85	9.16	14.37	8.92
	14			9.02	7.25	10.78	8.20	11.66	8.38	12.37	8.48	13.80	9.14	14.30	8.89
	16			9.02	7.25	10.78	8.20	11.66	8.38	12.36	8.48	13.75	9.12	14.24	8.87
	18			9.02	7.25	10.78	8.20	11.66	8.38	12.34	8.47	13.69	9.10	14.18	8.85
	20			9.02	7.25	10.78	8.20	11.66	8.38	12.32	8.46	13.64	9.08	14.12	8.83
	22			9.00	7.25	10.77	8.19	11.66	8.38	12.26	8.44	13.47	9.01	13.92	8.76
	24			8.99	7.24	10.77	8.19	11.66	8.38	12.21	8.42	13.30	8.95	13.73	8.69
	26			8.98	7.24	10.72	8.17	11.55	8.34	12.06	8.35	13.09	8.87	13.52	8.62
	28	8.14	7.14	8.98	7.24	10.67	8.15	11.44	8.29	11.92	8.30	12.88	8.78	13.31	8.53
	30	8.14	7.14	8.95	7.22	10.59	8.12	11.33	8.25	11.78	8.24	12.68	8.70	13.11	8.47
	32	8.14	7.14	8.93	7.21	10.51	8.08	11.22	8.20	11.64	8.19	12.49	8.63	12.91	8.40
	34	8.14	7.14	8.90	7.20	10.47	8.06	11.07	8.14	11.46	8.11	12.22	8.53	12.64	8.31
	35	8.14	7.14	8.89	7.20	10.45	8.06	11.00	8.11	11.36	8.07	12.09	8.48	12.51	8.26
	36	8.14	7.14	8.88	7.19	10.37	8.02	10.95	8.09	11.25	8.03	11.87	8.40	12.27	8.18
	38	8.14	7.14	8.86	7.18	10.21	7.96	10.84	8.04	11.04	7.95	11.44	8.24	11.78	8.02
	39	8.14	7.14	8.84	7.17	10.13	7.92	10.78	8.02	10.93	7.90	11.22	8.16	11.54	7.94
	41	8.14	7.14	8.81	7.16	9.83	7.79	10.34	7.84	10.47	7.72	10.72	7.99	11.00	7.76
	43	8.14	7.14	8.78	7.15	9.53	7.67	9.90	7.66	10.01	7.54	10.23	7.81	10.46	7.59

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 26 (m³/min)	-19.8	-20	7.08	7.08	7.08	7.08	7.08
	-17.8	-18	7.53	7.53	7.53	7.53	7.53
	-15.7	-16	7.99	7.99	7.99	7.99	7.99
	-13.7	-14	8.44	8.44	8.44	8.44	8.44
	-11.7	-12	8.90	8.90	8.90	8.90	8.90
	-9.6	-10	9.35	9.35	9.35	9.35	9.35
	-7.5	-8	9.92	9.92	9.92	9.92	9.92
	-5.5	-6	10.49	10.49	10.49	10.49	10.49
	-3.4	-4	10.86	10.84	10.83	10.72	10.61
	-1.3	-2	11.22	11.19	11.16	10.95	10.74
	0.8	0	11.83	11.67	11.50	11.09	10.68
	3.9	3	12.84	12.38	11.93	11.25	10.58
	7.0	6	14.03	13.12	12.20	11.35	10.49
	10.1	9	13.94	13.05	12.15	11.28	10.40
	13.2	12	13.85	12.96	12.08	11.19	10.31
	16.9	15.5	13.74	12.86	11.97	11.09	10.20

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 23 (m³/min)	10			8.34	6.55	9.98	7.42	10.79	7.59	11.48	7.70	12.86	8.31	13.35	8.09
	12			8.34	6.55	9.98	7.42	10.79	7.59	11.47	7.69	12.81	8.29	13.30	8.07
	14			8.34	6.55	9.98	7.42	10.79	7.59	11.45	7.69	12.77	8.27	13.24	8.05
	16			8.34	6.55	9.98	7.42	10.79	7.59	11.43	7.68	12.72	8.25	13.18	8.03
	18			8.34	6.55	9.98	7.42	10.79	7.59	11.42	7.67	12.67	8.23	13.12	8.00
	20			8.34	6.55	9.98	7.42	10.79	7.59	11.40	7.67	12.63	8.22	13.06	7.98
	22			8.33	6.55	9.97	7.42	10.79	7.59	11.35	7.65	12.47	8.16	12.89	7.92
	24			8.32	6.54	9.97	7.42	10.79	7.59	11.30	7.62	12.31	8.10	12.71	7.85
	26			8.31	6.54	9.92	7.39	10.69	7.55	11.16	7.57	12.11	8.01	12.51	7.78
	28	7.53	6.44	8.31	6.54	9.87	7.37	10.59	7.51	11.03	7.51	11.92	7.93	12.32	7.71
	30	7.53	6.44	8.29	6.53	9.80	7.33	10.49	7.47	10.90	7.46	11.74	7.87	12.13	7.64
	32	7.53	6.44	8.27	6.52	9.72	7.30	10.38	7.42	10.77	7.41	11.56	7.80	11.95	7.58
	34	7.53	6.44	8.24	6.51	9.69	7.28	10.25	7.37	10.60	7.34	11.31	7.70	11.70	7.50
	35	7.53	6.44	8.23	6.50	9.67	7.28	10.18	7.34	10.52	7.31	11.19	7.66	11.58	7.46
	36	7.53	6.44	8.22	6.50	9.60	7.24	10.13	7.32	10.42	7.27	10.99	7.58	11.35	7.38
	38	7.53	6.44	8.19	6.48	9.45	7.18	10.03	7.27	10.21	7.18	10.59	7.44	10.90	7.21
	39	7.53	6.44	8.18	6.48	9.38	7.15	9.98	7.24	10.11	7.13	10.39	7.35	10.68	7.14
	41	7.53	6.44	8.16	6.47	9.10	7.03	9.57	7.07	9.69	6.97	9.93	7.19	10.18	6.98
	43	7.53	6.44	8.13	6.46	8.82	6.91	9.16	6.91	9.26	6.80	9.46	7.02	9.68	6.81

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 23 (m³/min)	-19.8	-20	6.51	6.51	6.51	6.51	6.51
	-17.8	-18	6.93	6.93	6.93	6.93	6.93
	-15.7	-16	7.35	7.35	7.35	7.35	7.35
	-13.7	-14	7.77	7.77	7.77	7.77	7.77
	-11.7	-12	8.19	8.19	8.19	8.19	8.19
	-9.6	-10	8.61	8.61	8.61	8.61	8.61
	-7.5	-8	9.13	9.13	9.13	9.13	9.13
	-5.5	-6	9.66	9.66	9.66	9.66	9.66
	-3.4	-4	9.99	9.98	9.97	9.87	9.77
	-1.3	-2	10.33	10.30	10.28	10.08	9.88
	0.8	0	10.89	10.74	10.58	10.21	9.83
	3.9	3	11.82	11.40	10.98	10.36	9.74
	7.0	6	12.91	12.07	11.23	10.44	9.66
	10.1	9	12.83	12.01	11.19	10.38	9.57
	13.2	12	12.75	11.93	11.12	10.30	9.49
	16.9	15.5	12.65	11.83	11.02	10.21	9.39

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 21 (m³/min)	10			7.76	6.07	9.28	6.87	10.04	7.04	10.68	7.15	11.96	7.70	12.42	7.50
	12			7.76	6.07	9.28	6.87	10.04	7.04	10.67	7.14	11.92	7.69	12.37	7.48
	14			7.76	6.07	9.28	6.87	10.04	7.04	10.65	7.13	11.88	7.67	12.31	7.46
	16			7.76	6.07	9.28	6.87	10.04	7.04	10.64	7.13	11.83	7.65	12.26	7.44
	18			7.76	6.07	9.28	6.87	10.04	7.04	10.62	7.12	11.79	7.64	12.21	7.42
	20			7.76	6.07	9.28	6.87	10.04	7.04	10.61	7.12	11.75	7.62	12.15	7.40
	22			7.75	6.07	9.28	6.87	10.04	7.04	10.56	7.10	11.60	7.56	11.99	7.34
	24			7.74	6.06	9.27	6.87	10.04	7.04	10.51	7.08	11.45	7.50	11.82	7.28
	26			7.73	6.06	9.23	6.85	9.94	6.99	10.39	7.03	11.27	7.43	11.64	7.22
	28	7.01	5.97	7.73	6.06	9.19	6.83	9.85	6.96	10.26	6.96	11.09	7.36	11.46	7.15
	30	7.01	5.97	7.71	6.05	9.11	6.80	9.75	6.91	10.14	6.91	10.92	7.30	11.29	7.09
	32	7.01	5.97	7.69	6.04	9.04	6.77	9.66	6.87	10.02	6.86	10.75	7.23	11.12	7.03
	34	7.01	5.97	7.66	6.03	9.01	6.75	9.53	6.82	9.86	6.80	10.52	7.13	10.89	6.95
	35	7.01	5.97	7.65	6.02	9.00	6.75	9.47	6.79	9.78	6.76	10.41	7.09	10.77	6.90
	36	7.01	5.97	7.64	6.02	8.93	6.72	9.42	6.77	9.69	6.73	10.22	7.02	10.56	6.83
	38	7.01	5.97	7.62	6.01	8.79	6.66	9.33	6.73	9.50	6.65	9.85	6.88	10.14	6.68
	39	7.01	5.97	7.61	6.00	8.73	6.63	9.28	6.71	9.41	6.61	9.66	6.81	9.93	6.61
	41	7.01	5.97	7.59	6.00	8.46	6.52	8.90	6.56	9.01	6.46	9.23	6.65	9.47	6.46
	43	7.01	5.97	7.56	5.98	8.20	6.41	8.52	6.40	8.62	6.30	8.80	6.50	9.00	6.31

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 21 (m³/min)	-19.8	-20	6.00	6.00	6.00	6.00	6.00
	-17.8	-18	6.39	6.39	6.39	6.39	6.39
	-15.7	-16	6.78	6.78	6.78	6.78	6.78
	-13.7	-14	7.16	7.16	7.16	7.16	7.16
	-11.7	-12	7.55	7.55	7.55	7.55	7.55
	-9.6	-10	7.94	7.94	7.94	7.94	7.94
	-7.5	-8	8.42	8.42	8.42	8.42	8.42
	-5.5	-6	8.90	8.90	8.90	8.90	8.90
	-3.4	-4	9.21	9.20	9.19	9.10	9.00
	-1.3	-2	9.52	9.50	9.47	9.29	9.11
	0.8	0	10.04	9.90	9.75	9.41	9.06
	3.9	3	10.89	10.51	10.12	9.55	8.98
	7.0	6	11.90	11.13	10.35	9.63	8.90
	10.1	9	11.82	11.07	10.31	9.57	8.82
	13.2	12	11.75	11.00	10.25	9.50	8.75
	16.9	15.5	11.66	10.91	10.16	9.41	8.66

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PFA003Z958

Model **FDE140KXE6F** Cool Mode

Air flow	Outdoor air temp.	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
P-Hi 32 (m³/min)	10			11.48	9.06	13.72	10.25	14.84	10.49	15.79	10.64	17.69	11.48	18.36	11.17
	12			11.48	9.06	13.72	10.25	14.84	10.49	15.77	10.63	17.62	11.46	18.28	11.15
	14			11.48	9.06	13.72	10.25	14.84	10.49	15.75	10.62	17.56	11.43	18.20	11.12
	16			11.48	9.06	13.72	10.25	14.84	10.49	15.72	10.61	17.49	11.40	18.13	11.09
	18			11.48	9.06	13.72	10.25	14.84	10.49	15.70	10.60	17.43	11.38	18.05	11.06
	20			11.48	9.06	13.72	10.25	14.84	10.49	15.68	10.59	17.37	11.36	17.97	11.04
	22			11.46	9.05	13.71	10.25	14.84	10.49	15.61	10.56	17.15	11.27	17.72	10.95
	24			11.44	9.04	13.71	10.25	14.84	10.49	15.54	10.53	16.93	11.19	17.48	10.85
	26			11.43	9.04	13.64	10.20	14.70	10.43	15.35	10.46	16.66	11.07	17.21	10.75
	28	10.36	8.91	11.42	9.03	13.58	10.18	14.56	10.37	15.17	10.38	16.39	10.97	16.94	10.66
	30	10.36	8.91	11.40	9.02	13.48	10.13	14.42	10.31	14.99	10.31	16.14	10.87	16.69	10.57
	32	10.36	8.91	11.37	9.01	13.37	10.09	14.28	10.26	14.82	10.24	15.89	10.78	16.43	10.48
	34	10.36	8.91	11.33	8.99	13.32	10.07	14.09	10.18	14.58	10.14	15.56	10.65	16.09	10.36
	35	10.36	8.91	11.31	8.98	13.30	10.06	14.00	10.14	14.46	10.09	15.39	10.59	15.92	10.31
	36	10.36	8.91	11.30	8.98	13.20	10.01	13.93	10.11	14.32	10.04	15.11	10.49	15.61	10.20
	38	10.36	8.91	11.27	8.96	13.00	9.93	13.79	10.04	14.05	9.92	14.56	10.27	15.00	9.98
	39	10.36	8.91	11.26	8.96	12.90	9.88	13.72	10.01	13.91	9.86	14.28	10.17	14.69	9.88
	41	10.36	8.91	11.22	8.94	12.51	9.72	13.16	9.78	13.32	9.63	13.65	9.94	14.00	9.65
	43	10.36	8.91	11.18	8.92	12.13	9.56	12.60	9.55	12.74	9.40	13.02	9.72	13.31	9.43

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
P-Hi 32 (m³/min)	-19.8	-20	9.28	9.28	9.28	9.28	9.28
	-17.8	-18	9.88	9.88	9.88	9.88	9.88
	-15.7	-16	10.47	10.47	10.47	10.47	10.47
	-13.7	-14	11.07	11.07	11.07	11.07	11.07
	-11.7	-12	11.67	11.67	11.67	11.67	11.67
	-9.6	-10	12.27	12.27	12.27	12.27	12.27
	-7.5	-8	13.01	13.01	13.01	13.01	13.01
	-5.5	-6	13.76	13.76	13.76	13.76	13.76
	-3.4	-4	14.24	14.22	14.20	14.06	13.92
	-1.3	-2	14.72	14.68	14.64	14.36	14.08
	0.8	0	15.52	15.30	15.08	14.54	14.00
	3.9	3	16.84	16.24	15.64	14.76	13.88
	7.0	6	18.40	17.20	16.00	14.88	13.76
	10.1	9	18.28	17.11	15.94	14.79	13.64
	13.2	12	18.16	17.00	15.84	14.68	13.52
	16.9	15.5	18.02	16.86	15.70	14.54	13.38

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 29 (m³/min)	10			11.16	8.59	13.35	9.72	14.44	9.98	15.36	10.13	17.21	10.92	17.86	10.61
	12			11.16	8.59	13.35	9.72	14.44	9.98	15.34	10.12	17.14	10.89	17.79	10.59
	14			11.16	8.59	13.35	9.72	14.44	9.98	15.32	10.11	17.08	10.86	17.71	10.56
	16			11.16	8.59	13.35	9.72	14.44	9.98	15.30	10.10	17.02	10.84	17.63	10.53
	18			11.16	8.59	13.35	9.72	14.44	9.98	15.28	10.09	16.96	10.82	17.56	10.50
	20			11.16	8.59	13.35	9.72	14.44	9.98	15.26	10.09	16.89	10.79	17.48	10.47
	22			11.15	8.58	13.34	9.72	14.44	9.98	15.19	10.06	16.68	10.70	17.24	10.38
	24			11.13	8.57	13.34	9.72	14.44	9.98	15.11	10.02	16.47	10.62	17.00	10.30
	26			11.12	8.57	13.27	9.69	14.30	9.92	14.94	9.95	16.21	10.52	16.74	10.20
	28	10.08	8.45	11.11	8.57	13.21	9.66	14.16	9.85	14.76	9.87	15.95	10.41	16.48	10.11
	30	10.08	8.45	11.09	8.56	13.11	9.62	14.03	9.79	14.59	9.80	15.70	10.32	16.23	10.02
	32	10.08	8.45	11.06	8.54	13.01	9.57	13.89	9.73	14.42	9.73	15.46	10.22	15.99	9.94
	34	10.08	8.45	11.02	8.53	12.96	9.55	13.71	9.65	14.19	9.62	15.13	10.10	15.66	9.82
	35	10.08	8.45	11.00	8.52	12.94	9.54	13.62	9.61	14.07	9.57	14.97	10.03	15.49	9.76
	36	10.08	8.45	10.99	8.51	12.84	9.50	13.55	9.58	13.94	9.52	14.70	9.93	15.19	9.65
	38	10.08	8.45	10.96	8.50	12.65	9.42	13.42	9.53	13.67	9.41	14.16	9.71	14.59	9.43
	39	10.08	8.45	10.95	8.49	12.55	9.37	13.35	9.50	13.53	9.35	13.90	9.61	14.29	9.33
	41	10.08	8.45	10.91	8.47	12.17	9.21	12.80	9.27	12.96	9.12	13.28	9.38	13.62	9.10
	43	10.08	8.45	10.87	8.46	11.80	9.05	12.26	9.04	12.39	8.89	12.66	9.16	12.95	8.88

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Hi 29 (m³/min)	-19.8	-20	9.02	9.02	9.02	9.02	9.02
	-17.8	-18	9.60	9.60	9.60	9.60	9.60
	-15.7	-16	10.18	10.18	10.18	10.18	10.18
	-13.7	-14	10.76	10.76	10.76	10.76	10.76
	-11.7	-12	11.34	11.34	11.34	11.34	11.34
	-9.6	-10	11.92	11.92	11.92	11.92	11.92
	-7.5	-8	12.65	12.65	12.65	12.65	12.65
	-5.5	-6	13.37	13.37	13.37	13.37	13.37
	-3.4	-4	13.84	13.82	13.80	13.66	13.53
	-1.3	-2	14.31	14.27	14.23	13.96	13.68
	0.8	0	15.08	14.87	14.66	14.13	13.61
	3.9	3	16.37	15.78	15.20	14.34	13.49
	7.0	6	17.88	16.72	15.55	14.46	13.37
	10.1	9	17.77	16.63	15.49	14.37	13.26
	13.2	12	17.65	16.52	15.39	14.27	13.14
	16.9	15.5	17.51	16.39	15.26	14.13	13.00

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 26 (m³/min)	10			10.57	7.96	12.64	9.02	13.67	9.27	14.55	9.42	16.30	10.16	16.92	9.87
	12			10.57	7.96	12.64	9.02	13.67	9.27	14.53	9.41	16.24	10.12	16.85	9.83
	14			10.57	7.96	12.64	9.02	13.67	9.27	14.51	9.40	16.18	10.10	16.77	9.80
	16			10.57	7.96	12.64	9.02	13.67	9.27	14.49	9.39	16.12	10.07	16.70	9.77
	18			10.57	7.96	12.64	9.02	13.67	9.27	14.47	9.38	16.06	10.04	16.63	9.75
	20			10.57	7.96	12.64	9.02	13.67	9.27	14.45	9.37	16.00	10.02	16.56	9.72
	22			10.56	7.96	12.64	9.02	13.67	9.27	14.38	9.34	15.80	9.94	16.33	9.63
	24			10.54	7.95	12.63	9.03	13.67	9.27	14.31	9.31	15.60	9.86	16.10	9.55
	26			10.54	7.95	12.57	8.99	13.55	9.21	14.15	9.24	15.35	9.75	15.86	9.46
	28	9.55	7.83	10.53	7.94	12.51	8.96	13.42	9.16	13.98	9.17	15.10	9.65	15.61	9.37
	30	9.55	7.83	10.50	7.93	12.42	8.92	13.29	9.10	13.82	9.10	14.87	9.56	15.38	9.28
	32	9.55	7.83	10.47	7.91	12.32	8.88	13.16	9.04	13.65	9.03	14.64	9.47	15.14	9.20
	34	9.55	7.83	10.44	7.90	12.28	8.86	12.99	8.97	13.44	8.94	14.33	9.35	14.83	9.08
	35	9.55	7.83	10.42	7.89	12.26	8.85	12.90	8.93	13.33	8.89	14.18	9.29	14.67	9.03
	36	9.55	7.83	10.41	7.89	12.16	8.80	12.84	8.90	13.20	8.84	13.93	9.19	14.39	8.93
	38	9.55	7.83	10.38	7.87	11.98	8.72	12.71	8.83	12.94	8.73	13.42	8.99	13.82	8.73
	39	9.55	7.83	10.37	7.87	11.89	8.68	12.64	8.80	12.82	8.67	13.16	8.90	13.53	8.63
	41	9.55	7.83	10.34	7.86	11.53	8.52	12.13	8.58	12.28	8.44	12.58	8.66	12.90	8.39
	43	9.55	7.83	10.30	7.84	11.17	8.37	11.61	8.36	11.74	8.23	11.99	8.44	12.26	8.18

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Me 26 (m³/min)	-19.8	-20	8.45	8.45	8.45	8.45	8.45
	-17.8	-18	8.99	8.99	8.99	8.99	8.99
	-15.7	-16	9.54	9.54	9.54	9.54	9.54
	-13.7	-14	10.08	10.08	10.08	10.08	10.08
	-11.7	-12	10.63	10.63	10.63	10.63	10.63
	-9.6	-10	11.17	11.17	11.17	11.17	11.17
	-7.5	-8	11.85	11.85	11.85	11.85	11.85
	-5.5	-6	12.53	12.53	12.53	12.53	12.53
	-3.4	-4	12.97	12.95	12.93	12.80	12.68
	-1.3	-2	13.40	13.37	13.33	13.08	12.82
	0.8	0	14.13	13.93	13.73	13.24	12.75
	3.9	3	15.33	14.79	14.24	13.44	12.64
	7.0	6	16.76	15.66	14.57	13.55	12.53
	10.1	9	16.65	15.58	14.52	13.47	12.42
	13.2	12	16.54	15.48	14.42	13.37	12.31
	16.9	15.5	16.41	15.35	14.30	13.24	12.18

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 23 (m³/min)	10			9.62	7.19	11.49	8.15	12.43	8.37	13.23	8.51	14.82	9.17	15.39	8.91
	12			9.62	7.19	11.49	8.15	12.43	8.37	13.21	8.50	14.76	9.14	15.32	8.88
	14			9.62	7.19	11.49	8.15	12.43	8.37	13.19	8.49	14.71	9.12	15.25	8.85
	16			9.62	7.19	11.49	8.15	12.43	8.37	13.17	8.48	14.66	9.10	15.19	8.83
	18			9.62	7.19	11.49	8.15	12.43	8.37	13.16	8.48	14.60	9.08	15.12	8.80
	20			9.62	7.19	11.49	8.15	12.43	8.37	13.14	8.47	14.55	9.05	15.05	8.77
	22			9.60	7.18	11.49	8.15	12.43	8.37	13.08	8.44	14.37	8.98	14.85	8.70
	24			9.59	7.18	11.49	8.15	12.43	8.37	13.02	8.42	14.18	8.90	14.64	8.62
	26			9.58	7.17	11.43	8.12	12.32	8.32	12.86	8.34	13.96	8.81	14.42	8.53
	28	8.68	7.06	9.57	7.17	11.38	8.10	12.20	8.27	12.71	8.28	13.73	8.71	14.19	8.45
	30	8.68	7.06	9.55	7.16	11.29	8.06	12.08	8.21	12.56	8.21	13.53	8.63	13.98	8.37
	32	8.68	7.06	9.52	7.14	11.20	8.02	11.96	8.16	12.42	8.15	13.32	8.55	13.77	8.29
	34	8.68	7.06	9.49	7.13	11.16	8.00	11.81	8.09	12.22	8.07	13.03	8.43	13.48	8.19
	35	8.68	7.06	9.48	7.12	11.14	7.99	11.73	8.05	12.12	8.02	12.89	8.37	13.34	8.13
	36	8.68	7.06	9.47	7.12	11.06	7.95	11.67	8.03	12.00	7.97	12.66	8.28	13.08	8.04
	38	8.68	7.06	9.44	7.11	10.89	7.87	11.55	7.98	11.77	7.87	12.20	8.10	12.56	7.85
	39	8.68	7.06	9.43	7.10	10.81	7.84	11.50	7.95	11.65	7.82	11.97	8.01	12.31	7.76
	41	8.68	7.06	9.40	7.09	10.48	7.69	11.03	7.75	11.16	7.62	11.44	7.81	11.73	7.56
	43	8.68	7.06	9.36	7.07	10.16	7.55	10.56	7.55	10.67	7.42	10.90	7.61	11.15	7.36

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
Lo 23 (m³/min)	-19.8	-20	7.59	7.59	7.59	7.59	7.59
	-17.8	-18	8.08	8.08	8.08	8.08	8.08
	-15.7	-16	8.57	8.57	8.57	8.57	8.57
	-13.7	-14	9.06	9.06	9.06	9.06	9.06
	-11.7	-12	9.55	9.55	9.55	9.55	9.55
	-9.6	-10	10.04	10.04	10.04	10.04	10.04
	-7.5	-8	10.65	10.65	10.65	10.65	10.65
	-5.5	-6	11.26	11.26	11.26	11.26	11.26
	-3.4	-4	11.65	11.63	11.62	11.50	11.39
	-1.3	-2	12.04	12.01	11.98	11.75	11.52
	0.8	0	12.70	12.52	12.34	11.90	11.45
	3.9	3	13.78	13.29	12.80	12.08	11.36
	7.0	6	15.05	14.07	13.09	12.17	11.26
	10.1	9	14.96	14.00	13.04	12.10	11.16
	13.2	12	14.86	13.91	12.96	12.01	11.06
	16.9	15.5	14.74	13.79	12.84	11.90	10.95

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PFA003Z958

(I) Floor standing-2 way type (FDFW)

Model **FDFW28KXE6F** Cool Mode

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 9 (m³/min)	10			2.30	2.07	2.74	2.33	2.97	2.38	3.16	2.41	3.54	2.60	3.67	2.54
	12			2.30	2.07	2.74	2.33	2.97	2.38	3.15	2.40	3.52	2.60	3.66	2.54
	14			2.30	2.07	2.74	2.33	2.97	2.38	3.15	2.40	3.51	2.59	3.64	2.53
	16			2.30	2.07	2.74	2.33	2.97	2.38	3.14	2.40	3.50	2.59	3.63	2.53
	18			2.30	2.07	2.74	2.33	2.97	2.38	3.14	2.40	3.49	2.58	3.61	2.52
	20			2.30	2.07	2.74	2.33	2.97	2.38	3.14	2.40	3.47	2.58	3.59	2.51
	22			2.29	2.07	2.74	2.33	2.97	2.38	3.12	2.39	3.43	2.56	3.54	2.50
	24			2.29	2.07	2.74	2.33	2.97	2.38	3.11	2.38	3.39	2.55	3.50	2.49
	26			2.29	2.07	2.73	2.33	2.94	2.37	3.07	2.37	3.33	2.53	3.44	2.46
	28	2.07	1.99	2.28	2.06	2.72	2.31	2.91	2.36	3.03	2.35	3.28	2.51	3.39	2.45
	30	2.07	1.99	2.28	2.06	2.70	2.31	2.88	2.34	3.00	2.34	3.23	2.49	3.34	2.43
	32	2.07	1.99	2.27	2.06	2.67	2.30	2.86	2.34	2.96	2.33	3.18	2.47	3.29	2.42
	34	2.07	1.99	2.27	2.06	2.66	2.29	2.82	2.32	2.92	2.31	3.11	2.45	3.22	2.40
	35	2.07	1.99	2.26	2.05	2.66	2.29	2.80	2.30	2.89	2.29	3.08	2.44	3.18	2.38
	36	2.07	1.99	2.26	2.05	2.64	2.28	2.79	2.30	2.86	2.28	3.02	2.42	3.12	2.36
	38	2.07	1.99	2.25	2.05	2.60	2.27	2.76	2.29	2.81	2.26	2.91	2.38	3.00	2.33
	39	2.07	1.99	2.25	2.05	2.58	2.26	2.74	2.28	2.78	2.25	2.86	2.36	2.94	2.31
	41	2.07	1.99	2.24	2.05	2.50	2.23	2.63	2.24	2.66	2.21	2.73	2.32	2.80	2.26
	43	2.07	1.99	2.24	2.05	2.43	2.20	2.52	2.20	2.55	2.17	2.60	2.28	2.66	2.20

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 9 (m³/min)	-19.8	-20	1.86	1.86	1.86	1.86	1.86
	-17.8	-18	1.98	1.98	1.98	1.98	1.98
	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
	-5.5	-6	2.75	2.75	2.75	2.75	2.75
	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 8 (m³/min)	10			2.12	1.88	2.54	2.13	2.75	2.17	2.92	2.19	3.27	2.37	3.40	2.32
	12			2.12	1.88	2.54	2.13	2.75	2.17	2.92	2.19	3.26	2.37	3.38	2.31
	14			2.12	1.88	2.54	2.13	2.75	2.17	2.91	2.18	3.25	2.36	3.37	2.31
	16			2.12	1.88	2.54	2.13	2.75	2.17	2.91	2.18	3.24	2.36	3.35	2.30
	18			2.12	1.88	2.54	2.13	2.75	2.17	2.91	2.18	3.22	2.35	3.34	2.30
	20			2.12	1.88	2.54	2.13	2.75	2.17	2.90	2.18	3.21	2.35	3.32	2.29
	22			2.12	1.88	2.54	2.13	2.75	2.17	2.89	2.18	3.17	2.34	3.28	2.28
	24			2.12	1.88	2.54	2.13	2.75	2.17	2.87	2.17	3.13	2.32	3.23	2.26
	26			2.12	1.88	2.52	2.12	2.72	2.16	2.84	2.16	3.08	2.30	3.18	2.24
	28	1.92	1.84	2.11	1.88	2.51	2.12	2.69	2.14	2.81	2.15	3.03	2.28	3.13	2.23
	30	1.92	1.84	2.11	1.88	2.49	2.11	2.67	2.14	2.77	2.13	2.99	2.27	3.09	2.22
	32	1.92	1.84	2.10	1.88	2.47	2.10	2.64	2.12	2.74	2.12	2.94	2.25	3.04	2.20
	34	1.92	1.84	2.10	1.88	2.46	2.10	2.61	2.11	2.70	2.11	2.88	2.23	2.98	2.18
	35	1.92	1.84	2.09	1.87	2.46	2.10	2.59	2.11	2.68	2.10	2.85	2.22	2.95	2.17
	36	1.92	1.84	2.09	1.87	2.44	2.09	2.58	2.10	2.65	2.09	2.80	2.20	2.89	2.15
	38	1.92	1.84	2.08	1.86	2.40	2.07	2.55	2.09	2.60	2.07	2.69	2.17	2.77	2.10
	39	1.92	1.84	2.08	1.86	2.39	2.07	2.54	2.09	2.57	2.06	2.64	2.14	2.72	2.08
	41	1.92	1.84	2.08	1.86	2.31	2.03	2.43	2.04	2.46	2.02	2.53	2.10	2.59	2.05
	43	1.92	1.84	2.07	1.86	2.24	2.01	2.33	2.01	2.36	1.98	2.41	2.06	2.46	2.01

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 8 (m³/min)	-19.8	-20	1.69	1.69	1.69	1.69	1.69
	-17.8	-18	1.80	1.80	1.80	1.80	1.80
	-15.7	-16	1.91	1.91	1.91	1.91	1.91
	-13.7	-14	2.01	2.01	2.01	2.01	2.01
	-11.7	-12	2.12	2.12	2.12	2.12	2.12
	-9.6	-10	2.23	2.23	2.23	2.23	2.23
	-7.5	-8	2.37	2.37	2.37	2.37	2.37
	-5.5	-6	2.50	2.50	2.50	2.50	2.50
	-3.4	-4	2.59	2.59	2.58	2.56	2.53
	-1.3	-2	2.68	2.67	2.66	2.61	2.56
	0.8	0	2.82	2.78	2.74	2.64	2.55
	3.9	3	3.06	2.95	2.84	2.68	2.52
	7.0	6	3.35	3.13	2.91	2.71	2.50
	10.1	9	3.32	3.11	2.90	2.69	2.48
	13.2	12	3.30	3.09	2.88	2.67	2.46
	16.9	15.5	3.28	3.07	2.86	2.64	2.43

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 7 (m³/min)	10			1.84	1.64	2.19	1.86	2.37	1.90	2.53	1.92	2.83	2.07	2.94	2.03
	12			1.84	1.64	2.19	1.86	2.37	1.90	2.52	1.91	2.82	2.07	2.93	2.02
	14			1.84	1.64	2.19	1.86	2.37	1.90	2.52	1.91	2.81	2.07	2.91	2.02
	16			1.84	1.64	2.19	1.86	2.37	1.90	2.52	1.91	2.80	2.06	2.90	2.00
	18			1.84	1.64	2.19	1.86	2.37	1.90	2.51	1.91	2.79	2.06	2.89	2.00
	20			1.84	1.64	2.19	1.86	2.37	1.90	2.51	1.91	2.78	2.06	2.87	1.99
	22			1.83	1.64	2.19	1.86	2.37	1.90	2.50	1.91	2.74	2.04	2.84	1.98
	24			1.83	1.64	2.19	1.86	2.37	1.90	2.49	1.90	2.71	2.02	2.80	1.97
	26			1.83	1.64	2.18	1.85	2.35	1.89	2.46	1.89	2.67	2.01	2.75	1.96
	28	1.66	1.59	1.83	1.64	2.17	1.85	2.33	1.88	2.43	1.88	2.62	1.99	2.71	1.94
	30	1.66	1.59	1.82	1.64	2.16	1.85	2.31	1.87	2.40	1.87	2.58	1.98	2.67	1.93
	32	1.66	1.59	1.82	1.64	2.14	1.84	2.28	1.86	2.37	1.85	2.54	1.96	2.63	1.92
	34	1.66	1.59	1.81	1.63	2.13	1.83	2.25	1.85	2.33	1.84	2.49	1.95	2.57	1.90
	35	1.66	1.59	1.81	1.63	2.13	1.83	2.24	1.84	2.31	1.83	2.46	1.94	2.55	1.89
	36	1.66	1.59	1.81	1.63	2.11	1.83	2.23	1.84	2.29	1.83	2.42	1.92	2.50	1.88
	38	1.66	1.59	1.80	1.63	2.08	1.82	2.21	1.83	2.25	1.81	2.33	1.89	2.40	1.85
	39	1.66	1.59	1.80	1.63	2.06	1.81	2.20	1.83	2.23	1.80	2.29	1.88	2.35	1.83
	41	1.66	1.59	1.79	1.62	2.00	1.78	2.11	1.79	2.13	1.77	2.18	1.84	2.24	1.80
	43	1.66	1.59	1.79	1.62	1.94	1.76	2.02	1.76	2.04	1.73	2.08	1.81	2.13	1.77

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 7 (m³/min)	-19.8	-20	1.51	1.51	1.51	1.51	1.51
	-17.8	-18	1.61	1.61	1.61	1.61	1.61
	-15.7	-16	1.71	1.71	1.71	1.71	1.71
	-13.7	-14	1.81	1.81	1.81	1.81	1.81
	-11.7	-12	1.90	1.90	1.90	1.90	1.90
	-9.6	-10	2.00	2.00	2.00	2.00	2.00
	-7.5	-8	2.12	2.12	2.12	2.12	2.12
	-5.5	-6	2.24	2.24	2.24	2.24	2.24
	-3.4	-4	2.32	2.32	2.32	2.29	2.27
	-1.3	-2	2.40	2.39	2.39	2.34	2.30
	0.8	0	2.53	2.50	2.46	2.37	2.28
	3.9	3	2.75	2.65	2.55	2.41	2.26
	7.0	6	3.00	2.81	2.61	2.43	2.24
	10.1	9	2.98	2.79	2.60	2.41	2.23
	13.2	12	2.96	2.77	2.58	2.39	2.21
	16.9	15.5	2.94	2.75	2.56	2.37	2.18

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PGF000Z008

Model **FDFW45KXE6F** Cool Mode

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			3.69	2.70	4.41	3.06	4.77	3.15	5.07	3.21	5.68	3.46	5.90	3.35
	12			3.69	2.70	4.41	3.06	4.77	3.15	5.07	3.21	5.66	3.45	5.88	3.34
	14			3.69	2.70	4.41	3.06	4.77	3.15	5.06	3.20	5.64	3.44	5.85	3.33
	16			3.69	2.70	4.41	3.06	4.77	3.15	5.05	3.20	5.62	3.43	5.83	3.32
	18			3.69	2.70	4.41	3.06	4.77	3.15	5.05	3.20	5.60	3.42	5.80	3.31
Hi	20			3.69	2.70	4.41	3.06	4.77	3.15	5.04	3.19	5.58	3.40	5.78	3.30
	22			3.68	2.69	4.41	3.06	4.77	3.15	5.02	3.19	5.51	3.38	5.70	3.28
9	24			3.68	2.69	4.41	3.06	4.77	3.15	4.99	3.17	5.44	3.35	5.62	3.24
(m³/min)	26			3.68	2.69	4.39	3.06	4.73	3.14	4.93	3.14	5.35	3.31	5.53	3.21
	28	3.33	2.65	3.67	2.69	4.37	3.05	4.68	3.11	4.88	3.12	5.27	3.28	5.44	3.18
	30	3.33	2.65	3.66	2.68	4.33	3.03	4.64	3.09	4.82	3.09	5.19	3.24	5.36	3.14
	32	3.33	2.65	3.65	2.68	4.30	3.01	4.59	3.07	4.76	3.07	5.11	3.21	5.28	3.12
	34	3.33	2.65	3.64	2.68	4.28	3.00	4.53	3.04	4.69	3.04	5.00	3.16	5.17	3.07
	35	3.33	2.65	3.64	2.68	4.28	3.00	4.50	3.03	4.65	3.02	4.95	3.15	5.12	3.05
	36	3.33	2.65	3.63	2.67	4.24	2.98	4.48	3.02	4.60	3.00	4.86	3.11	5.02	3.01
	38	3.33	2.65	3.62	2.67	4.18	2.95	4.43	3.00	4.52	2.96	4.68	3.04	4.82	2.94
	39	3.33	2.65	3.62	2.67	4.15	2.94	4.41	2.99	4.47	2.93	4.59	3.00	4.72	2.89
	41	3.33	2.65	3.61	2.66	4.02	2.88	4.23	2.90	4.28	2.86	4.39	2.91	4.50	2.82
	43	3.33	2.65	3.59	2.65	3.90	2.83	4.05	2.83	4.09	2.78	4.18	2.84	4.28	2.75

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	2.90	2.90	2.90	2.90	2.90
	-17.8	-18	3.09	3.09	3.09	3.09	3.09
	-15.7	-16	3.27	3.27	3.27	3.27	3.27
	-13.7	-14	3.46	3.46	3.46	3.46	3.46
	-11.7	-12	3.65	3.65	3.65	3.65	3.65
Hi	-9.6	-10	3.83	3.83	3.83	3.83	3.83
	-7.5	-8	4.07	4.07	4.07	4.07	4.07
9	-5.5	-6	4.30	4.30	4.30	4.30	4.30
(m³/min)	-3.4	-4	4.45	4.44	4.44	4.39	4.35
	-1.3	-2	4.60	4.59	4.58	4.49	4.40
	0.8	0	4.85	4.78	4.71	4.54	4.38
	3.9	3	5.26	5.08	4.89	4.61	4.34
	7.0	6	5.75	5.38	5.00	4.65	4.30
	10.1	9	5.71	5.35	4.98	4.62	4.26
	13.2	12	5.68	5.31	4.95	4.59	4.23
	16.9	15.5	5.63	5.27	4.91	4.54	4.18

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			3.35	2.43	4.01	2.77	4.34	2.85	4.61	2.90	5.17	3.12	5.36	3.03
	12			3.35	2.43	4.01	2.77	4.34	2.85	4.61	2.90	5.15	3.12	5.34	3.02
	14			3.35	2.43	4.01	2.77	4.34	2.85	4.60	2.89	5.13	3.11	5.32	3.01
	16			3.35	2.43	4.01	2.77	4.34	2.85	4.59	2.89	5.11	3.10	5.30	3.01
	18			3.35	2.43	4.01	2.77	4.34	2.85	4.59	2.89	5.09	3.09	5.27	2.99
Me	20			3.35	2.43	4.01	2.77	4.34	2.85	4.58	2.88	5.07	3.08	5.25	2.98
	22			3.35	2.43	4.01	2.77	4.34	2.85	4.56	2.88	5.01	3.06	5.18	2.95
8	24			3.34	2.43	4.00	2.76	4.34	2.85	4.54	2.87	4.95	3.02	5.11	2.93
(m³/min)	26			3.34	2.43	3.99	2.76	4.29	2.83	4.49	2.84	4.87	2.99	5.03	2.90
	28	3.03	2.39	3.34	2.43	3.97	2.75	4.25	2.81	4.43	2.81	4.79	2.96	4.95	2.87
	30	3.03	2.39	3.33	2.42	3.94	2.73	4.21	2.79	4.38	2.79	4.72	2.93	4.87	2.83
	32	3.03	2.39	3.32	2.42	3.91	2.72	4.17	2.77	4.33	2.77	4.64	2.89	4.80	2.81
	34	3.03	2.39	3.31	2.42	3.89	2.71	4.12	2.75	4.26	2.74	4.54	2.85	4.70	2.77
	35	3.03	2.39	3.30	2.41	3.89	2.71	4.09	2.73	4.23	2.72	4.50	2.84	4.65	2.75
	36	3.03	2.39	3.30	2.41	3.86	2.69	4.07	2.73	4.18	2.70	4.42	2.80	4.56	2.72
	38	3.03	2.39	3.29	2.41	3.80	2.67	4.03	2.71	4.10	2.67	4.25	2.74	4.38	2.65
	39	3.03	2.39	3.29	2.41	3.77	2.65	4.01	2.70	4.06	2.65	4.17	2.70	4.29	2.62
	41	3.03	2.39	3.28	2.40	3.66	2.60	3.84	2.61	3.89	2.57	3.99	2.63	4.09	2.54
	43	3.03	2.39	3.27	2.39	3.54	2.55	3.68	2.55	3.72	2.51	3.80	2.55	3.89	2.47

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	2.64	2.64	2.64	2.64	2.64
	-17.8	-18	2.81	2.81	2.81	2.81	2.81
	-15.7	-16	2.98	2.98	2.98	2.98	2.98
	-13.7	-14	3.15	3.15	3.15	3.15	3.15
	-11.7	-12	3.32	3.32	3.32	3.32	3.32
Me	-9.6	-10	3.49	3.49	3.49	3.49	3.49
	-7.5	-8	3.70	3.70	3.70	3.70	3.70
8	-5.5	-6	3.91	3.91	3.91	3.91	3.91
(m³/min)	-3.4	-4	4.05	4.04	4.04	4.00	3.96
	-1.3	-2	4.19	4.17	4.16	4.08	4.00
	0.8	0	4.41	4.35	4.29	4.13	3.98
	3.9	3	4.79	4.62	4.45	4.20	3.95
	7.0	6	5.23	4.89	4.55	4.23	3.91
	10.1	9	5.20	4.87	4.53	4.21	3.88
	13.2	12	5.16	4.83	4.50	4.17	3.84
	16.9	15.5	5.12	4.79	4.46	4.13	3.80

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			2.90	2.12	3.47	2.41	3.75	2.48	3.99	2.52	4.47	2.72	4.64	2.64
	12			2.90	2.12	3.47	2.41	3.75	2.48	3.99	2.52	4.46	2.71	4.62	2.63
	14			2.90	2.12	3.47	2.41	3.75	2.48	3.98	2.52	4.44	2.71	4.60	2.62
	16			2.90	2.12	3.47	2.41	3.75	2.48	3.98	2.52	4.42	2.70	4.58	2.61
	18			2.90	2.12	3.47	2.41	3.75	2.48	3.97	2.51	4.41	2.69	4.56	2.61
Lo	20			2.90	2.12	3.47	2.41	3.75	2.48	3.97	2.51	4.39	2.68	4.54	2.60
	22			2.90	2.12	3.47	2.41	3.75	2.48	3.95	2.51	4.34	2.66	4.48	2.58
7	24			2.89	2.12	3.47	2.41	3.75	2.48	3.93	2.49	4.28	2.64	4.42	2.55
(m³/min)	26			2.89	2.12	3.45	2.40	3.72	2.46	3.88	2.47	4.21	2.60	4.35	2.52
	28	2.62	2.08	2.89	2.12	3.43	2.39	3.68	2.44	3.84	2.45	4.14	2.58	4.28	2.50
	30	2.62	2.08	2.88	2.11	3.41	2.38	3.65	2.43	3.79	2.43	4.08	2.55	4.22	2.47
	32	2.62	2.08	2.87	2.11	3.38	2.37	3.61	2.41	3.75	2.41	4.02	2.52	4.16	2.45
	34	2.62	2.08	2.87	2.11	3.37	2.36	3.56	2.39	3.69	2.39	3.93	2.49	4.07	2.42
	35	2.62	2.08	2.86	2.10	3.36	2.36	3.54	2.38	3.66	2.38	3.89	2.47	4.03	2.39
	36	2.62	2.08	2.86	2.10	3.34	2.35	3.52	2.37	3.62	2.36	3.82	2.44	3.95	2.37
	38	2.62	2.08	2.85	2.09	3.29	2.33	3.49	2.36	3.55	2.32	3.68	2.38	3.79	2.31
	39	2.62	2.08	2.85	2.09	3.26	2.31	3.47	2.35	3.52	2.31	3.61	2.36	3.71	2.28
	41	2.62	2.08	2.84	2.09	3.16	2.27	3.33	2.29	3.37	2.25	3.45	2.30	3.54	2.22
	43	2.62	2.08	2.83	2.08	3.07	2.23	3.19	2.23	3.22	2.19	3.29	2.23	3.37	2.16

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃DB	18 ℃DB	20 ℃DB	22 ℃DB	24 ℃DB
	-19.8	-20	2.36	2.36	2.36	2.36	2.36
	-17.8	-18	2.51	2.51	2.51	2.51	2.51
	-15.7	-16	2.66	2.66	2.66	2.66	2.66
	-13.7	-14	2.82	2.82	2.82	2.82	2.82
	-11.7	-12	2.97	2.97	2.97	2.97	2.97
Lo	-9.6	-10	3.12	3.12	3.12	3.12	3.12
	-7.5	-8	3.31	3.31	3.31	3.31	3.31
7	-5.5	-6	3.50	3.50	3.50	3.50	3.50
(m³/min)	-3.4	-4	3.62	3.62	3.61	3.58	3.54
	-1.3	-2	3.74	3.73	3.72	3.65	3.58
	0.8	0	3.95	3.89	3.84	3.70	3.56
	3.9	3	4.28	4.13	3.98	3.75	3.53
	7.0	6	4.68	4.38	4.07	3.79	3.50
	10.1	9	4.65	4.35	4.05	3.76	3.47
	13.2	12	4.62	4.32	4.03	3.73	3.44
	16.9	15.5	4.58	4.29	3.99	3.70	3.40

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PGF000Z008

Model **FDFW56KXE6F** Cool Mode

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Hi 11 (m³/min)	10			4.59	3.34	5.49	3.80	5.94	3.91	6.32	3.98	7.07	4.28	7.35	4.16
	12			4.59	3.34	5.49	3.80	5.94	3.91	6.31	3.97	7.05	4.27	7.31	4.14
	14			4.59	3.34	5.49	3.80	5.94	3.91	6.30	3.97	7.02	4.26	7.28	4.13
	16			4.59	3.34	5.49	3.80	5.94	3.91	6.29	3.96	7.00	4.25	7.25	4.11
	18			4.59	3.34	5.49	3.80	5.94	3.91	6.28	3.96	6.97	4.23	7.22	4.09
	20			4.59	3.34	5.49	3.80	5.94	3.91	6.27	3.95	6.95	4.23	7.19	4.08
	22			4.58	3.33	5.49	3.80	5.94	3.91	6.24	3.94	6.86	4.19	7.09	4.05
	24			4.58	3.33	5.48	3.79	5.94	3.91	6.21	3.92	6.77	4.14	6.99	4.01
	26			4.57	3.33	5.46	3.78	5.88	3.88	6.14	3.89	6.66	4.10	6.88	3.97
	28	4.14	3.27	4.57	3.33	5.43	3.76	5.82	3.85	6.07	3.86	6.56	4.06	6.78	3.93
	30	4.14	3.27	4.56	3.33	5.39	3.75	5.77	3.83	6.00	3.83	6.46	4.02	6.67	3.89
	32	4.14	3.27	4.55	3.32	5.35	3.73	5.71	3.80	5.93	3.80	6.36	3.97	6.57	3.85
	34	4.14	3.27	4.53	3.31	5.33	3.72	5.64	3.77	5.83	3.75	6.22	3.91	6.44	3.80
	35	4.14	3.27	4.52	3.31	5.32	3.72	5.60	3.75	5.79	3.74	6.16	3.89	6.37	3.77
	36	4.14	3.27	4.52	3.31	5.28	3.69	5.57	3.73	5.73	3.71	6.05	3.84	6.25	3.73
	38	4.14	3.27	4.51	3.30	5.20	3.65	5.52	3.71	5.62	3.66	5.82	3.75	6.00	3.64
	39	4.14	3.27	4.50	3.29	5.16	3.63	5.49	3.70	5.56	3.64	5.71	3.71	5.87	3.59
	41	4.14	3.27	4.49	3.29	5.00	3.56	5.26	3.59	5.33	3.53	5.46	3.60	5.60	3.48
	43	4.14	3.27	4.47	3.28	4.85	3.49	5.04	3.50	5.10	3.44	5.21	3.51	5.32	3.39

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Me 9 (m³/min)	10			4.08	2.89	4.88	3.29	5.28	3.40	5.62	3.46	6.29	3.73	6.53	3.62
	12			4.08	2.89	4.88	3.29	5.28	3.40	5.61	3.46	6.27	3.72	6.50	3.61
	14			4.08	2.89	4.88	3.29	5.28	3.40	5.60	3.46	6.25	3.71	6.48	3.59
	16			4.08	2.89	4.88	3.29	5.28	3.40	5.59	3.45	6.22	3.70	6.45	3.58
	18			4.08	2.89	4.88	3.29	5.28	3.40	5.59	3.45	6.20	3.69	6.42	3.57
	20			4.08	2.89	4.88	3.29	5.28	3.40	5.58	3.45	6.18	3.68	6.39	3.56
	22			4.08	2.89	4.88	3.29	5.28	3.40	5.55	3.43	6.10	3.64	6.30	3.52
	24			4.07	2.89	4.88	3.29	5.28	3.40	5.53	3.42	6.02	3.61	6.22	3.48
	26			4.07	2.89	4.85	3.28	5.23	3.37	5.46	3.38	5.93	3.57	6.12	3.44
	28	3.69	2.83	4.06	2.88	4.83	3.27	5.18	3.35	5.40	3.36	5.83	3.52	6.03	3.41
	30	3.69	2.83	4.05	2.88	4.79	3.25	5.13	3.32	5.33	3.33	5.74	3.48	5.94	3.37
	32	3.69	2.83	4.04	2.87	4.76	3.23	5.08	3.30	5.27	3.30	5.65	3.44	5.85	3.33
	34	3.69	2.83	4.03	2.87	4.74	3.22	5.01	3.27	5.19	3.26	5.53	3.38	5.72	3.28
	35	3.69	2.83	4.02	2.86	4.73	3.22	4.98	3.25	5.14	3.24	5.47	3.36	5.66	3.26
	36	3.69	2.83	4.02	2.86	4.70	3.21	4.96	3.24	5.10	3.22	5.38	3.33	5.55	3.22
	38	3.69	2.83	4.01	2.86	4.62	3.17	4.91	3.22	5.00	3.18	5.18	3.24	5.33	3.13
	39	3.69	2.83	4.00	2.85	4.59	3.15	4.88	3.20	4.95	3.15	5.08	3.20	5.22	3.09
	41	3.69	2.83	3.99	2.85	4.45	3.08	4.68	3.11	4.74	3.06	4.86	3.11	4.98	3.00
	43	3.69	2.83	3.98	2.84	4.31	3.02	4.48	3.02	4.53	2.96	4.63	3.01	4.73	2.90

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
Lo 8 (m³/min)	10			3.53	2.53	4.22	2.87	4.57	2.97	4.86	3.02	5.44	3.25	5.65	3.15
	12			3.53	2.53	4.22	2.87	4.57	2.97	4.85	3.02	5.42	3.25	5.63	3.14
	14			3.53	2.53	4.22	2.87	4.57	2.97	4.85	3.02	5.41	3.24	5.60	3.13
	16			3.53	2.53	4.22	2.87	4.57	2.97	4.84	3.01	5.39	3.23	5.58	3.12
	18			3.53	2.53	4.22	2.87	4.57	2.97	4.83	3.01	5.37	3.22	5.56	3.12
	20			3.53	2.53	4.22	2.87	4.57	2.97	4.83	3.01	5.35	3.21	5.53	3.10
	22			3.53	2.53	4.22	2.87	4.57	2.97	4.81	3.00	5.28	3.18	5.46	3.08
	24			3.52	2.53	4.22	2.87	4.57	2.97	4.78	2.98	5.21	3.15	5.38	3.05
	26			3.52	2.53	4.20	2.86	4.53	2.95	4.73	2.96	5.13	3.12	5.30	3.01
	28	3.19	2.48	3.52	2.53	4.18	2.85	4.48	2.92	4.67	2.93	5.05	3.08	5.22	2.98
	30	3.19	2.48	3.51	2.52	4.15	2.84	4.44	2.91	4.62	2.91	4.97	3.05	5.14	2.95
	32	3.19	2.48	3.50	2.52	4.12	2.83	4.40	2.89	4.56	2.88	4.89	3.01	5.06	2.92
	34	3.19	2.48	3.49	2.51	4.10	2.82	4.34	2.85	4.49	2.85	4.79	2.97	4.95	2.88
	35	3.19	2.48	3.48	2.51	4.09	2.81	4.31	2.84	4.45	2.83	4.74	2.95	4.90	2.86
	36	3.19	2.48	3.48	2.51	4.06	2.80	4.29	2.83	4.41	2.81	4.65	2.91	4.81	2.82
	38	3.19	2.48	3.47	2.50	4.00	2.77	4.25	2.81	4.32	2.77	4.48	2.84	4.62	2.75
	39	3.19	2.48	3.47	2.50	3.97	2.76	4.22	2.80	4.28	2.76	4.40	2.81	4.52	2.71
	41	3.19	2.48	3.45	2.49	3.85	2.70	4.05	2.72	4.10	2.68	4.20	2.72	4.31	2.63
	43	3.19	2.48	3.44	2.49	3.73	2.64	3.88	2.65	3.92	2.60	4.01	2.65	4.10	2.56

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 11 (m³/min)	-19.8	-20	3.65	3.65	3.65	3.65	3.65
	-17.8	-18	3.89	3.89	3.89	3.89	3.89
	-15.7	-16	4.12	4.12	4.12	4.12	4.12
	-13.7	-14	4.36	4.36	4.36	4.36	4.36
	-11.7	-12	4.59	4.59	4.59	4.59	4.59
	-9.6	-10	4.83	4.83	4.83	4.83	4.83
	-7.5	-8	5.12	5.12	5.12	5.12	5.12
	-5.5	-6	5.42	5.42	5.42	5.42	5.42
	-3.4	-4	5.61	5.60	5.59	5.54	5.48
	-1.3	-2	5.80	5.78	5.76	5.65	5.54
	0.8	0	6.11	6.02	5.94	5.73	5.51
	3.9	3	6.63	6.39	6.16	5.81	5.47
	7.0	6	7.25	6.77	6.30	5.86	5.42
	10.1	9	7.20	6.74	6.28	5.82	5.37
	13.2	12	7.15	6.69	6.24	5.78	5.32
	16.9	15.5	7.10	6.64	6.18	5.73	5.27

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 9 (m³/min)	-19.8	-20	3.32	3.32	3.32	3.32	3.32
	-17.8	-18	3.54	3.54	3.54	3.54	3.54
	-15.7	-16	3.75	3.75	3.75	3.75	3.75
	-13.7	-14	3.97	3.97	3.97	3.97	3.97
	-11.7	-12	4.18	4.18	4.18	4.18	4.18
	-9.6	-10	4.39	4.39	4.39	4.39	4.39
	-7.5	-8	4.66	4.66	4.66	4.66	4.66
	-5.5	-6	4.93	4.93	4.93	4.93	4.93
	-3.4	-4	5.10	5.09	5.09	5.04	4.99
	-1.3	-2	5.27	5.26	5.24	5.14	5.04
	0.8	0	5.56	5.48	5.40	5.21	5.01
	3.9	3	6.03	5.82	5.60	5.29	4.97
	7.0	6	6.59	6.16	5.73	5.33	4.93
	10.1	9	6.55	6.13	5.71	5.30	4.88
	13.2	12	6.50	6.09	5.67	5.26	4.84
	16.9	15.5	6.45	6.04	5.62	5.21	4.79

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 8 (m³/min)	-19.8	-20	2.98	2.98	2.98	2.98	2.98
	-17.8	-18	3.17	3.17	3.17	3.17	3.17
	-15.7	-16	3.36	3.36	3.36	3.36	3.36
	-13.7	-14	3.55	3.55	3.55	3.55	3.55
	-11.7	-12	3.74	3.74	3.74	3.74	3.74
	-9.6	-10	3.93	3.93	3.93	3.93	3.93
	-7.5	-8	4.17	4.17	4.17	4.17	4.17
	-5.5	-6	4.41	4.41	4.41	4.41	4.41
	-3.4	-4	4.57	4.56	4.55	4.51	4.46
	-1.3	-2	4.72	4.71	4.69	4.60	4.51
	0.8	0	4.98	4.91	4.84	4.66	4.49
	3.9	3	5.40	5.21	5.01	4.73	4.45
	7.0	6	5.90	5.51	5.13	4.77	4.41
	10.1	9	5.86	5.49	5.11	4.74	4.37
	13.2	12	5.82	5.45	5.08	4.71	4.33
	16.9	15.5	5.78	5.41	5.03	4.66	4.29

PGF000Z008

(m) Floor standing (with casing) type (FDFL)

Model **FDFL71KXE6F** Cool Mode

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			5.82	4.76	6.96	5.38	7.53	5.51	8.01	5.57	8.97	6.01	9.31	5.86
	12			5.82	4.76	6.96	5.38	7.53	5.51	8.00	5.57	8.94	6.00	9.27	5.84
	14			5.82	4.76	6.96	5.38	7.53	5.51	7.99	5.57	8.90	5.98	9.23	5.83
	16			5.82	4.76	6.96	5.38	7.53	5.51	7.97	5.56	8.87	5.97	9.19	5.81
	18			5.82	4.76	6.96	5.38	7.53	5.51	7.96	5.55	8.84	5.96	9.15	5.80
Hi	20			5.82	4.76	6.96	5.38	7.53	5.51	7.95	5.55	8.81	5.95	9.11	5.79
	22			5.81	4.76	6.95	5.38	7.53	5.51	7.92	5.54	8.70	5.91	8.99	5.75
18	24			5.80	4.75	6.95	5.38	7.53	5.51	7.88	5.52	8.58	5.87	8.86	5.70
(m³/min)	26			5.80	4.75	6.92	5.37	7.46	5.48	7.79	5.49	8.45	5.82	8.73	5.66
	28	5.25	4.69	5.79	4.75	6.89	5.35	7.38	5.45	7.69	5.45	8.31	5.77	8.59	5.62
	30	5.25	4.69	5.78	4.75	6.83	5.33	7.31	5.42	7.60	5.41	8.19	5.72	8.46	5.57
	32	5.25	4.69	5.77	4.74	6.78	5.31	7.24	5.38	7.51	5.38	8.06	5.68	8.33	5.53
	34	5.25	4.69	5.75	4.73	6.76	5.30	7.15	5.34	7.39	5.32	7.89	5.62	8.16	5.47
	35	5.25	4.69	5.74	4.73	6.75	5.30	7.10	5.33	7.33	5.30	7.80	5.59	8.08	5.44
	36	5.25	4.69	5.73	4.72	6.69	5.27	7.06	5.31	7.26	5.27	7.66	5.52	7.92	5.39
	38	5.25	4.69	5.72	4.72	6.59	5.23	6.99	5.28	7.12	5.22	7.38	5.43	7.61	5.29
	39	5.25	4.69	5.71	4.71	6.54	5.21	6.96	5.27	7.05	5.19	7.24	5.38	7.45	5.24
	41	5.25	4.69	5.69	4.71	6.35	5.12	6.67	5.15	6.76	5.08	6.92	5.26	7.10	5.11
	43	5.25	4.69	5.67	4.70	6.15	5.04	6.39	5.04	6.46	4.94	6.60	5.15	6.75	5.01

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	4.64	4.64	4.64	4.64	4.64
	-17.8	-18	4.94	4.94	4.94	4.94	4.94
	-15.7	-16	5.24	5.24	5.24	5.24	5.24
	-13.7	-14	5.54	5.54	5.54	5.54	5.54
	-11.7	-12	5.83	5.83	5.83	5.83	5.83
Hi	-9.6	-10	6.13	6.13	6.13	6.13	6.13
	-7.5	-8	6.51	6.51	6.51	6.51	6.51
18	-5.5	-6	6.88	6.88	6.88	6.88	6.88
(m³/min)	-3.4	-4	7.12	7.11	7.10	7.03	6.96
	-1.3	-2	7.36	7.34	7.32	7.18	7.04
	0.8	0	7.76	7.65	7.54	7.27	7.00
	3.9	3	8.42	8.12	7.82	7.38	6.94
	7.0	6	9.20	8.60	8.00	7.44	6.88
	10.1	9	9.14	8.56	7.97	7.40	6.82
	13.2	12	9.08	8.50	7.92	7.34	6.76
	16.9	15.5	9.01	8.43	7.85	7.27	6.69

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			5.11	4.14	6.10	4.68	6.60	4.78	7.03	4.85	7.87	5.24	8.17	5.10
	12			5.11	4.14	6.10	4.68	6.60	4.78	7.02	4.85	7.84	5.23	8.14	5.09
	14			5.11	4.14	6.10	4.68	6.60	4.78	7.01	4.84	7.81	5.22	8.10	5.08
	16			5.11	4.14	6.10	4.68	6.60	4.78	7.00	4.84	7.78	5.20	8.07	5.07
	18			5.11	4.14	6.10	4.68	6.60	4.78	6.99	4.83	7.76	5.20	8.03	5.05
Me	20			5.11	4.14	6.10	4.68	6.60	4.78	6.98	4.83	7.73	5.18	8.00	5.04
	22			5.10	4.14	6.10	4.68	6.60	4.78	6.95	4.82	7.63	5.15	7.89	5.01
15	24			5.09	4.13	6.10	4.68	6.60	4.78	6.91	4.80	7.53	5.10	7.78	4.97
(m³/min)	26			5.09	4.13	6.07	4.67	6.54	4.76	6.83	4.77	7.41	5.06	7.66	4.92
	28	4.61	4.08	5.08	4.13	6.04	4.65	6.48	4.73	6.75	4.74	7.29	5.01	7.54	4.88
	30	4.61	4.08	5.07	4.13	6.00	4.64	6.42	4.71	6.67	4.70	7.18	4.97	7.43	4.84
	32	4.61	4.08	5.06	4.12	5.95	4.61	6.35	4.68	6.59	4.67	7.07	4.93	7.31	4.80
	34	4.61	4.08	5.04	4.11	5.93	4.61	6.27	4.65	6.49	4.63	6.92	4.87	7.16	4.75
	35	4.61	4.08	5.03	4.11	5.92	4.60	6.23	4.63	6.44	4.61	6.85	4.85	7.09	4.72
	36	4.61	4.08	5.03	4.11	5.87	4.58	6.20	4.62	6.37	4.58	6.73	4.80	6.95	4.68
	38	4.61	4.08	5.02	4.10	5.78	4.54	6.14	4.59	6.25	4.54	6.48	4.71	6.67	4.58
	39	4.61	4.08	5.01	4.10	5.74	4.53	6.11	4.58	6.19	4.51	6.36	4.67	6.54	4.54
	41	4.61	4.08	4.99	4.09	5.57	4.45	5.86	4.48	5.93	4.41	6.07	4.57	6.23	4.44
	43	4.61	4.08	4.97	4.08	5.40	4.38	5.61	4.38	5.67	4.31	5.79	4.47	5.92	4.34

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	4.21	4.21	4.21	4.21	4.21
	-17.8	-18	4.48	4.48	4.48	4.48	4.48
	-15.7	-16	4.75	4.75	4.75	4.75	4.75
	-13.7	-14	5.02	5.02	5.02	5.02	5.02
	-11.7	-12	5.29	5.29	5.29	5.29	5.29
Me	-9.6	-10	5.56	5.56	5.56	5.56	5.56
	-7.5	-8	5.90	5.90	5.90	5.90	5.90
15	-5.5	-6	6.24	6.24	6.24	6.24	6.24
(m³/min)	-3.4	-4	6.45	6.44	6.43	6.37	6.31
	-1.3	-2	6.67	6.65	6.63	6.51	6.38
	0.8	0	7.03	6.93	6.83	6.59	6.34
	3.9	3	7.63	7.36	7.09	6.69	6.29
	7.0	6	8.34	7.79	7.25	6.74	6.24
	10.1	9	8.28	7.75	7.22	6.70	6.18
	13.2	12	8.23	7.70	7.18	6.65	6.13
	16.9	15.5	8.17	7.64	7.11	6.59	6.06

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃DB 14 ℃WB TC	21 ℃DB 14 ℃WB SHC	23 ℃DB 16 ℃WB TC	23 ℃DB 16 ℃WB SHC	26 ℃DB 18 ℃WB TC	26 ℃DB 18 ℃WB SHC	27 ℃DB 19 ℃WB TC	27 ℃DB 19 ℃WB SHC	28 ℃DB 20 ℃WB TC	28 ℃DB 20 ℃WB SHC	31 ℃DB 22 ℃WB TC	31 ℃DB 22 ℃WB SHC	33 ℃DB 24 ℃WB TC	33 ℃DB 24 ℃WB SHC
	10			4.29	3.41	5.12	3.85	5.54	3.94	5.90	3.99	6.61	4.31	6.86	4.20
	12			4.29	3.41	5.12	3.85	5.54	3.94	5.89	3.99	6.58	4.30	6.83	4.19
	14			4.29	3.41	5.12	3.85	5.54	3.94	5.88	3.99	6.56	4.29	6.80	4.18
	16			4.29	3.41	5.12	3.85	5.54	3.94	5.87	3.98	6.54	4.29	6.77	4.17
	18			4.29	3.41	5.12	3.85	5.54	3.94	5.87	3.98	6.51	4.27	6.74	4.15
Lo	20			4.29	3.41	5.12	3.85	5.54	3.94	5.86	3.98	6.49	4.27	6.71	4.14
	22			4.28	3.40	5.12	3.85	5.54	3.94	5.83	3.96	6.41	4.23	6.62	4.11
12	24			4.27	3.40	5.12	3.85	5.54	3.94	5.80	3.95	6.32	4.20	6.53	4.08
(m³/min)	26			4.27	3.40	5.10	3.84	5.49	3.92	5.74	3.93	6.22	4.16	6.43	4.05
	28	3.87	3.35	4.27	3.40	5.07	3.82	5.44	3.89	5.67	3.90	6.12	4.12	6.33	4.01
	30	3.87	3.35	4.26	3.39	5.03	3.81	5.39	3.87	5.60	3.87	6.03	4.08	6.23	3.98
	32	3.87	3.35	4.25	3.39	4.99	3.79	5.33	3.85	5.54	3.85	5.94	4.05	6.14	3.94
	34	3.87	3.35	4.23	3.38	4.98	3.79	5.26	3.82	5.45	3.81	5.81	4.00	6.01	3.89
	35	3.87	3.35	4.23	3.38	4.97	3.78	5.23	3.81	5.40	3.79	5.75	3.98	5.95	3.87
	36	3.87	3.35	4.22	3.37	4.93	3.76	5.20	3.79	5.35	3.77	5.65	3.94	5.83	3.83
	38	3.87	3.35	4.21	3.37	4.86	3.73	5.15	3.77	5.25	3.73	5.44	3.86	5.60	3.75
	39	3.87	3.35	4.20	3.36	4.82	3.72	5.13	3.76	5.20	3.71	5.34	3.83	5.49	3.72
	41	3.87	3.35	4.19	3.36	4.67	3.65	4.92	3.68	4.98	3.62	5.10	3.74	5.23	3.63
	43	3.87	3.35	4.18	3.36	4.53	3.59	4.71	3.59	4.76	3.54	4.86	3.65	4.97	3.55

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
	-19.8	-20	3.53	3.53	3.53	3.53	3.53
	-17.8	-18	3.76	3.76	3.76	3.76	3.76
	-15.7	-16	3.99	3.99	3.99	3.99	3.99
	-13.7	-14	4.21	4.21	4.21	4.21	4.21
	-11.7	-12	4.44	4.44	4.44	4.44	4.44
Lo	-9.6	-10	4.67	4.67	4.67	4.67	4.67
	-7.5	-8	4.95	4.95	4.95	4.95	4.95
12	-5.5	-6	5.24	5.24	5.24	5.24	5.24
(m³/min)	-3.4	-4	5.42	5.41	5.40	5.35	5.30
	-1.3	-2	5.60	5.59	5.57	5.47	5.36
	0.8	0	5.91	5.82	5.74	5.53	5.33
	3.9	3	6.41	6.18	5.95	5.62	5.28
	7.0	6	7.00	6.55	6.09	5.66	5.24
	10.1	9	6.96	6.51	6.07	5.63	5.19
	13.2	12	6.91	6.47	6.03	5.59	5.15
	16.9	15.5	6.86	6.42	5.98	5.53	5.09

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PGD000Z102

(n) Floor standing (without casing) type (FDFU)

Model **FDFU28KXE6F** Cool Mode

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Hi 12 (m³/min)	10			2.30	2.21	2.74	2.63	2.97	2.75	3.16	2.77	3.54	3.02	3.67	2.96
	12			2.30	2.21	2.74	2.63	2.97	2.75	3.15	2.77	3.52	3.01	3.66	2.95
	14			2.30	2.21	2.74	2.63	2.97	2.75	3.15	2.77	3.51	3.01	3.64	2.95
	16			2.30	2.21	2.74	2.63	2.97	2.75	3.14	2.77	3.50	3.00	3.63	2.95
	18			2.30	2.21	2.74	2.63	2.97	2.75	3.14	2.77	3.49	3.00	3.61	2.94
	20			2.30	2.21	2.74	2.63	2.97	2.75	3.14	2.77	3.47	2.99	3.59	2.93
	22			2.29	2.20	2.74	2.63	2.97	2.75	3.12	2.76	3.43	2.98	3.54	2.92
	24			2.29	2.20	2.74	2.63	2.97	2.75	3.11	2.76	3.39	2.97	3.50	2.91
	26			2.29	2.20	2.73	2.62	2.94	2.74	3.07	2.74	3.33	2.95	3.44	2.88
	28	2.07	1.99	2.28	2.19	2.72	2.61	2.91	2.73	3.03	2.73	3.28	2.93	3.39	2.87
	30	2.07	1.99	2.28	2.19	2.70	2.59	2.88	2.72	3.00	2.72	3.23	2.91	3.34	2.85
	32	2.07	1.99	2.27	2.18	2.67	2.56	2.86	2.72	2.96	2.71	3.18	2.90	3.29	2.84
	34	2.07	1.99	2.27	2.18	2.66	2.55	2.82	2.70	2.92	2.69	3.11	2.88	3.22	2.82
	35	2.07	1.99	2.26	2.17	2.66	2.55	2.80	2.69	2.89	2.68	3.08	2.87	3.18	2.81
	36	2.07	1.99	2.26	2.17	2.64	2.53	2.79	2.68	2.86	2.67	3.02	2.85	3.12	2.79
	38	2.07	1.99	2.25	2.16	2.60	2.50	2.76	2.65	2.81	2.65	2.91	2.79	3.00	2.75
	39	2.07	1.99	2.25	2.16	2.58	2.48	2.74	2.63	2.78	2.64	2.86	2.75	2.94	2.73
	41	2.07	1.99	2.24	2.15	2.50	2.40	2.63	2.52	2.66	2.55	2.73	2.62	2.80	2.69
	43	2.07	1.99	2.24	2.15	2.43	2.33	2.52	2.42	2.55	2.45	2.60	2.50	2.66	2.55

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Hi 12 (m³/min)	-19.8	-20	1.86	1.86	1.86	1.86	1.86
	-17.8	-18	1.98	1.98	1.98	1.98	1.98
	-15.7	-16	2.09	2.09	2.09	2.09	2.09
	-13.7	-14	2.21	2.21	2.21	2.21	2.21
	-11.7	-12	2.33	2.33	2.33	2.33	2.33
	-9.6	-10	2.45	2.45	2.45	2.45	2.45
	-7.5	-8	2.60	2.60	2.60	2.60	2.60
	-5.5	-6	2.75	2.75	2.75	2.75	2.75
	-3.4	-4	2.85	2.84	2.84	2.81	2.78
	-1.3	-2	2.94	2.94	2.93	2.87	2.82
	0.8	0	3.10	3.06	3.02	2.91	2.80
	3.9	3	3.37	3.25	3.13	2.95	2.78
	7.0	6	3.68	3.44	3.20	2.98	2.75
	10.1	9	3.66	3.42	3.19	2.96	2.73
	13.2	12	3.63	3.40	3.17	2.94	2.70
	16.9	15.5	3.60	3.37	3.14	2.91	2.68

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Me 11 (m³/min)	10			2.17	2.08	2.60	2.50	2.81	2.56	2.99	2.58	3.35	2.81	3.48	2.74
	12			2.17	2.08	2.60	2.50	2.81	2.56	2.98	2.58	3.34	2.80	3.46	2.74
	14			2.17	2.08	2.60	2.50	2.81	2.56	2.98	2.58	3.32	2.79	3.45	2.74
	16			2.17	2.08	2.60	2.50	2.81	2.56	2.98	2.58	3.31	2.79	3.43	2.73
	18			2.17	2.08	2.60	2.50	2.81	2.56	2.97	2.57	3.30	2.78	3.42	2.73
	20			2.17	2.08	2.60	2.50	2.81	2.56	2.97	2.57	3.29	2.78	3.40	2.72
	22			2.17	2.08	2.60	2.50	2.81	2.56	2.95	2.57	3.25	2.77	3.35	2.71
	24			2.17	2.08	2.59	2.49	2.81	2.56	2.94	2.56	3.20	2.75	3.31	2.69
	26			2.16	2.07	2.58	2.48	2.78	2.55	2.91	2.55	3.15	2.74	3.26	2.68
	28	1.96	1.88	2.16	2.07	2.57	2.47	2.76	2.54	2.87	2.53	3.10	2.72	3.21	2.67
	30	1.96	1.88	2.16	2.07	2.55	2.45	2.73	2.53	2.84	2.52	3.06	2.71	3.16	2.65
	32	1.96	1.88	2.15	2.06	2.53	2.43	2.70	2.52	2.80	2.51	3.01	2.68	3.11	2.63
	34	1.96	1.88	2.14	2.05	2.52	2.42	2.67	2.51	2.76	2.50	2.94	2.66	3.05	2.61
	35	1.96	1.88	2.14	2.05	2.52	2.42	2.65	2.50	2.74	2.49	2.91	2.65	3.01	2.60
	36	1.96	1.88	2.14	2.05	2.50	2.40	2.64	2.50	2.71	2.48	2.86	2.64	2.96	2.59
	38	1.96	1.88	2.13	2.04	2.46	2.36	2.61	2.49	2.66	2.46	2.76	2.61	2.84	2.55
	39	1.96	1.88	2.13	2.04	2.44	2.34	2.60	2.48	2.63	2.45	2.70	2.59	2.78	2.53
	41	1.96	1.88	2.12	2.04	2.37	2.28	2.49	2.39	2.52	2.41	2.58	2.48	2.65	2.49
	43	1.96	1.88	2.12	2.04	2.30	2.21	2.39	2.29	2.41	2.31	2.46	2.36	2.52	2.42

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Me 11 (m³/min)	-19.8	-20	1.76	1.76	1.76	1.76	1.76
	-17.8	-18	1.88	1.88	1.88	1.88	1.88
	-15.7	-16	1.99	1.99	1.99	1.99	1.99
	-13.7	-14	2.10	2.10	2.10	2.10	2.10
	-11.7	-12	2.22	2.22	2.22	2.22	2.22
	-9.6	-10	2.33	2.33	2.33	2.33	2.33
	-7.5	-8	2.47	2.47	2.47	2.47	2.47
	-5.5	-6	2.61	2.61	2.61	2.61	2.61
	-3.4	-4	2.71	2.70	2.70	2.67	2.64
	-1.3	-2	2.80	2.79	2.78	2.73	2.68
	0.8	0	2.95	2.91	2.87	2.76	2.66
	3.9	3	3.20	3.09	2.97	2.80	2.64
	7.0	6	3.50	3.27	3.04	2.83	2.61
	10.1	9	3.47	3.25	3.03	2.81	2.59
	13.2	12	3.45	3.23	3.01	2.79	2.57
	16.9	15.5	3.42	3.20	2.98	2.76	2.54

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Lo 10 (m³/min)	10			2.04	1.96	2.44	2.34	2.64	2.40	2.81	2.42	3.15	2.62	3.27	2.57
	12			2.04	1.96	2.44	2.34	2.64	2.40	2.80	2.42	3.13	2.62	3.25	2.56
	14			2.04	1.96	2.44	2.34	2.64	2.40	2.80	2.42	3.12	2.61	3.24	2.56
	16			2.04	1.96	2.44	2.34	2.64	2.40	2.80	2.42	3.11	2.61	3.22	2.55
	18			2.04	1.96	2.44	2.34	2.64	2.40	2.79	2.41	3.10	2.60	3.21	2.55
	20			2.04	1.96	2.44	2.34	2.64	2.40	2.79	2.41	3.09	2.60	3.20	2.55
	22			2.04	1.96	2.44	2.34	2.64	2.40	2.78	2.41	3.05	2.59	3.15	2.53
	24			2.04	1.96	2.44	2.34	2.64	2.40	2.76	2.40	3.01	2.58	3.11	2.52
	26			2.03	1.95	2.43	2.33	2.61	2.39	2.73	2.39	2.96	2.56	3.06	2.51
	28	1.84	1.77	2.03	1.95	2.42	2.32	2.59	2.38	2.70	2.38	2.92	2.55	3.01	2.49
	30	1.84	1.77	2.03	1.95	2.40	2.30	2.56	2.37	2.67	2.37	2.87	2.53	2.97	2.48
	32	1.84	1.77	2.02	1.94	2.38	2.28	2.54	2.37	2.64	2.36	2.83	2.52	2.92	2.46
	34	1.84	1.77	2.02	1.94	2.37	2.28	2.51	2.36	2.59	2.34	2.77	2.50	2.86	2.45
	35	1.84	1.77	2.01	1.93	2.37	2.28	2.49	2.35	2.57	2.34	2.74	2.49	2.83	2.44
	36	1.84	1.77	2.01	1.93	2.35	2.26	2.48	2.34	2.55	2.33	2.69	2.47	2.78	2.42
	38	1.84	1.77	2.00	1.92	2.31	2.22	2.45	2.33	2.50	2.31	2.59	2.44	2.67	2.39
	39	1.84	1.77	2.00	1.92	2.29	2.20	2.44	2.33	2.47	2.30	2.54	2.43	2.61	2.38
	41	1.84	1.77	1.99	1.91	2.23	2.14	2.34	2.25	2.37	2.26	2.43	2.33	2.49	2.34
	43	1.84	1.77	1.99	1.91	2.16	2.07	2.24	2.15	2.27	2.18	2.31	2.22	2.37	2.28

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Lo 10 (m³/min)	-19.8	-20	1.66	1.66	1.66	1.66	1.66
	-17.8	-18	1.77	1.77	1.77	1.77	1.77
	-15.7	-16	1.87	1.87	1.87	1.87	1.87
	-13.7	-14	1.98	1.98	1.98	1.98	1.98
	-11.7	-12	2.09	2.09	2.09	2.09	2.09
	-9.6	-10	2.19	2.19	2.19	2.19	2.19
	-7.5	-8	2.33	2.33	2.33	2.33	2.33
	-5.5	-6	2.46	2.46	2.46	2.46	2.46
	-3.4	-4	2.55	2.54	2.54	2.51	2.49
	-1.3	-2	2.63	2.62	2.62	2.57	2.52
	0.8	0	2.77	2.73	2.70	2.60	2.50
	3.9	3	3.01	2.90	2.80	2.64	2.48
	7.0	6	3.29	3.07	2.86	2.66	2.46
	10.1	9	3.27	3.06	2.85	2.64	2.44
	13.2	12	3.25	3.04	2.83	2.62	2.42
	16.9	15.5	3.22	3.01	2.81	2.60	2.39

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PGD000Z101

Model **FDFU45KXE6F** Cool Mode

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Hi 14 (m³/min)	10			3.69	3.35	4.41	3.79	4.77	3.86	5.07	3.90	5.68	4.22	5.90	4.13
	12			3.69	3.35	4.41	3.79	4.77	3.86	5.07	3.90	5.66	4.22	5.88	4.12
	14			3.69	3.35	4.41	3.79	4.77	3.86	5.06	3.89	5.64	4.21	5.85	4.11
	16			3.69	3.35	4.41	3.79	4.77	3.86	5.05	3.89	5.62	4.20	5.83	4.11
	18			3.69	3.35	4.41	3.79	4.77	3.86	5.05	3.89	5.60	4.19	5.80	4.10
	20			3.69	3.35	4.41	3.79	4.77	3.86	5.04	3.88	5.58	4.19	5.78	4.09
	22			3.68	3.35	4.41	3.79	4.77	3.86	5.02	3.88	5.51	4.16	5.70	4.06
	24			3.68	3.35	4.41	3.79	4.77	3.86	4.99	3.87	5.44	4.14	5.62	4.04
	26			3.68	3.35	4.39	3.78	4.73	3.84	4.93	3.84	5.35	4.11	5.53	4.01
	28	3.33	3.20	3.67	3.34	4.37	3.78	4.68	3.82	4.88	3.82	5.27	4.07	5.44	3.97
	30	3.33	3.20	3.66	3.34	4.33	3.76	4.64	3.81	4.82	3.80	5.19	4.04	5.36	3.95
	32	3.33	3.20	3.65	3.33	4.30	3.75	4.59	3.79	4.76	3.78	5.11	4.02	5.28	3.92
	34	3.33	3.20	3.64	3.33	4.28	3.74	4.53	3.77	4.69	3.75	5.00	3.98	5.17	3.89
	35	3.33	3.20	3.64	3.33	4.28	3.74	4.50	3.76	4.65	3.74	4.95	3.96	5.12	3.87
	36	3.33	3.20	3.63	3.33	4.24	3.72	4.48	3.75	4.60	3.72	4.86	3.93	5.02	3.84
	38	3.33	3.20	3.62	3.32	4.18	3.70	4.43	3.73	4.52	3.69	4.68	3.87	4.82	3.78
	39	3.33	3.20	3.62	3.32	4.15	3.69	4.41	3.72	4.47	3.67	4.59	3.84	4.72	3.75
	41	3.33	3.20	3.61	3.32	4.02	3.64	4.23	3.65	4.28	3.60	4.39	3.78	4.50	3.68
	43	3.33	3.20	3.59	3.31	3.90	3.58	4.05	3.59	4.09	3.54	4.18	3.71	4.28	3.61

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Hi 14 (m³/min)	-19.8	-20	2.90	2.90	2.90	2.90	2.90
	-17.8	-18	3.09	3.09	3.09	3.09	3.09
	-15.7	-16	3.27	3.27	3.27	3.27	3.27
	-13.7	-14	3.46	3.46	3.46	3.46	3.46
	-11.7	-12	3.65	3.65	3.65	3.65	3.65
	-9.6	-10	3.83	3.83	3.83	3.83	3.83
	-7.5	-8	4.07	4.07	4.07	4.07	4.07
	-5.5	-6	4.30	4.30	4.30	4.30	4.30
	-3.4	-4	4.45	4.44	4.44	4.39	4.35
	-1.3	-2	4.60	4.59	4.58	4.49	4.40
	0.8	0	4.85	4.78	4.71	4.54	4.38
	3.9	3	5.26	5.08	4.89	4.61	4.34
	7.0	6	5.75	5.38	5.00	4.65	4.30
	10.1	9	5.71	5.35	4.98	4.62	4.26
	13.2	12	5.68	5.31	4.95	4.59	4.23
	16.9	15.5	5.63	5.27	4.91	4.54	4.18

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Me 12 (m³/min)	10			3.31	2.93	3.96	3.32	4.28	3.38	4.56	3.43	5.10	3.70	5.30	3.62
	12			3.31	2.93	3.96	3.32	4.28	3.38	4.55	3.42	5.09	3.70	5.28	3.61
	14			3.31	2.93	3.96	3.32	4.28	3.38	4.54	3.42	5.07	3.69	5.25	3.60
	16			3.31	2.93	3.96	3.32	4.28	3.38	4.54	3.42	5.05	3.68	5.23	3.59
	18			3.31	2.93	3.96	3.32	4.28	3.38	4.53	3.41	5.03	3.68	5.21	3.59
	20			3.31	2.93	3.96	3.32	4.28	3.38	4.53	3.41	5.01	3.67	5.18	3.58
	22			3.31	2.93	3.96	3.32	4.28	3.38	4.50	3.40	4.95	3.65	5.11	3.56
	24			3.30	2.93	3.96	3.32	4.28	3.38	4.48	3.40	4.88	3.62	5.04	3.53
	26			3.30	2.93	3.94	3.31	4.24	3.37	4.43	3.38	4.81	3.60	4.97	3.51
	28	2.99	2.87	3.30	2.93	3.92	3.31	4.20	3.35	4.38	3.36	4.73	3.57	4.89	3.48
	30	2.99	2.87	3.29	2.92	3.89	3.29	4.16	3.34	4.33	3.33	4.66	3.55	4.82	3.46
	32	2.99	2.87	3.28	2.92	3.86	3.28	4.12	3.32	4.28	3.31	4.59	3.52	4.74	3.44
	34	2.99	2.87	3.27	2.92	3.84	3.27	4.07	3.30	4.21	3.29	4.49	3.48	4.64	3.40
	35	2.99	2.87	3.26	2.91	3.84	3.27	4.04	3.29	4.17	3.27	4.44	3.46	4.60	3.39
	36	2.99	2.87	3.26	2.91	3.81	3.26	4.02	3.28	4.13	3.26	4.36	3.44	4.51	3.36
	38	2.99	2.87	3.25	2.91	3.75	3.24	3.98	3.27	4.05	3.23	4.20	3.38	4.33	3.30
	39	2.99	2.87	3.25	2.91	3.72	3.23	3.96	3.26	4.01	3.21	4.12	3.36	4.24	3.27
	41	2.99	2.87	3.24	2.90	3.61	3.18	3.80	3.20	3.84	3.15	3.94	3.30	4.04	3.21
	43	2.99	2.87	3.23	2.90	3.50	3.14	3.64	3.14	3.68	3.09	3.76	3.24	3.84	3.15

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Me 12 (m³/min)	-19.8	-20	2.60	2.60	2.60	2.60	2.60
	-17.8	-18	2.77	2.77	2.77	2.77	2.77
	-15.7	-16	2.93	2.93	2.93	2.93	2.93
	-13.7	-14	3.10	3.10	3.10	3.10	3.10
	-11.7	-12	3.27	3.27	3.27	3.27	3.27
	-9.6	-10	3.43	3.43	3.43	3.43	3.43
	-7.5	-8	3.64	3.64	3.64	3.64	3.64
	-5.5	-6	3.85	3.85	3.85	3.85	3.85
	-3.4	-4	3.99	3.98	3.98	3.94	3.90
	-1.3	-2	4.12	4.11	4.10	4.02	3.94
	0.8	0	4.35	4.28	4.22	4.07	3.92
	3.9	3	4.72	4.55	4.38	4.13	3.89
	7.0	6	5.15	4.82	4.48	4.17	3.85
	10.1	9	5.12	4.79	4.46	4.14	3.82
	13.2	12	5.08	4.76	4.44	4.11	3.79
	16.9	15.5	5.05	4.72	4.40	4.07	3.75

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Lo 10 (m³/min)	10			2.89	2.53	3.46	2.87	3.74	2.92	3.98	2.95	4.46	3.19	4.63	3.12
	12			2.89	2.53	3.46	2.87	3.74	2.92	3.98	2.95	4.44	3.19	4.61	3.11
	14			2.89	2.53	3.46	2.87	3.74	2.92	3.97	2.95	4.43	3.18	4.59	3.10
	16			2.89	2.53	3.46	2.87	3.74	2.92	3.96	2.94	4.41	3.17	4.57	3.10
	18			2.89	2.53	3.46	2.87	3.74	2.92	3.96	2.94	4.39	3.17	4.55	3.09
	20			2.89	2.53	3.46	2.87	3.74	2.92	3.95	2.94	4.38	3.16	4.53	3.08
	22			2.89	2.53	3.46	2.87	3.74	2.92	3.94	2.94	4.32	3.14	4.47	3.06
	24			2.89	2.53	3.46	2.87	3.74	2.92	3.92	2.93	4.27	3.12	4.41	3.04
	26			2.88	2.53	3.44	2.86	3.71	2.91	3.87	2.91	4.20	3.10	4.34	3.02
	28	2.61	2.50	2.88	2.53	3.42	2.85	3.67	2.89	3.83	2.89	4.13	3.07	4.27	3.00
	30	2.61	2.50	2.87	2.52	3.40	2.84	3.64	2.88	3.78	2.87	4.07	3.05	4.21	2.98
	32	2.61	2.50	2.87	2.52	3.37	2.83	3.60	2.86	3.74	2.86	4.01	3.03	4.14	2.96
	34	2.61	2.50	2.86	2.52	3.36	2.82	3.55	2.84	3.68	2.84	3.92	3.00	4.06	2.93
	35	2.61	2.50	2.85	2.51	3.35	2.82	3.53	2.84	3.65	2.83	3.88	2.99	4.02	2.92
	36	2.61	2.50	2.85	2.51	3.33	2.81	3.51	2.83	3.61	2.81	3.81	2.96	3.94	2.89
	38	2.61	2.50	2.84	2.51	3.28	2.79	3.48	2.82	3.54	2.78	3.67	2.91	3.78	2.84
	39	2.61	2.50	2.84	2.51	3.25	2.78	3.46	2.81	3.51	2.77	3.60	2.89	3.70	2.82
	41	2.61	2.50	2.83	2.51	3.15	2.74	3.32	2.75	3.36	2.72	3.44	2.83	3.53	2.74
	43	2.61	2.50	2.82	2.50	3.06	2.70	3.18	2.70	3.21	2.66	3.28	2.78	3.36	2.69

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Lo 10 (m³/min)	-19.8	-20	2.27	2.27	2.27	2.27	2.27
	-17.8	-18	2.41	2.41	2.41	2.41	2.41
	-15.7	-16	2.56	2.56	2.56	2.56	2.56
	-13.7	-14	2.71	2.71	2.71	2.71	2.71
	-11.7	-12	2.85	2.85	2.85	2.85	2.85
	-9.6	-10	3.00	3.00	3.00	3.00	3.00
	-7.5	-8	3.18	3.18	3.18	3.18	3.18
	-5.5	-6	3.36	3.36	3.36	3.36	3.36
	-3.4	-4	3.48	3.48	3.47	3.44	3.40
	-1.3	-2	3.60	3.59	3.58	3.51	3.44
	0.8	0	3.79	3.74	3.69	3.55	3.42
	3.9	3	4.12	3.97	3.82	3.61	3.39
	7.0	6	4.50	4.20	3.91	3.64	3.36
	10.1	9	4.47	4.18	3.90	3.61	3.33
	13.2	12	4.44	4.15	3.87	3.59	3.30
	16.9	15.5	4.40	4.12	3.84	3.55	3.27

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PGD000Z101

Model **FDFU56KXE6F** Cool Mode

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Hi 14 (m³/min)	10			4.59	3.77	5.49	4.26	5.94	4.35	6.32	4.41	7.07	4.76	7.35	4.64
	12			4.59	3.77	5.49	4.26	5.94	4.35	6.31	4.41	7.05	4.75	7.31	4.63
	14			4.59	3.77	5.49	4.26	5.94	4.35	6.30	4.41	7.02	4.74	7.28	4.62
	16			4.59	3.77	5.49	4.26	5.94	4.35	6.29	4.40	7.00	4.73	7.25	4.61
	18			4.59	3.77	5.49	4.26	5.94	4.35	6.28	4.40	6.97	4.72	7.22	4.60
	20			4.59	3.77	5.49	4.26	5.94	4.35	6.27	4.39	6.95	4.71	7.19	4.59
	22			4.58	3.76	5.49	4.26	5.94	4.35	6.24	4.38	6.86	4.68	7.09	4.55
	24			4.58	3.76	5.48	4.26	5.94	4.35	6.21	4.37	6.77	4.65	6.99	4.52
	26			4.57	3.76	5.46	4.25	5.88	4.33	6.14	4.34	6.66	4.61	6.88	4.48
	28	4.14	3.71	4.57	3.76	5.43	4.23	5.82	4.30	6.07	4.31	6.56	4.57	6.78	4.45
	30	4.14	3.71	4.56	3.75	5.39	4.22	5.77	4.28	6.00	4.28	6.46	4.53	6.67	4.41
	32	4.14	3.71	4.55	3.75	5.35	4.20	5.71	4.26	5.93	4.25	6.36	4.49	6.57	4.37
	34	4.14	3.71	4.53	3.74	5.33	4.19	5.64	4.23	5.83	4.21	6.22	4.44	6.44	4.33
	35	4.14	3.71	4.52	3.73	5.32	4.19	5.60	4.21	5.79	4.20	6.16	4.42	6.37	4.30
	36	4.14	3.71	4.52	3.73	5.28	4.17	5.57	4.20	5.73	4.17	6.05	4.38	6.25	4.26
	38	4.14	3.71	4.51	3.73	5.20	4.14	5.52	4.18	5.62	4.13	5.82	4.29	6.00	4.18
	39	4.14	3.71	4.50	3.72	5.16	4.12	5.49	4.17	5.56	4.11	5.71	4.26	5.87	4.14
	41	4.14	3.71	4.49	3.72	5.00	4.06	5.26	4.08	5.33	4.02	5.46	4.17	5.60	4.05
	43	4.14	3.71	4.47	3.71	4.85	3.99	5.04	3.99	5.10	3.93	5.21	4.08	5.32	3.96

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Hi 14 (m³/min)	-19.8	-20	3.65	3.65	3.65	3.65	3.65
	-17.8	-18	3.89	3.89	3.89	3.89	3.89
	-15.7	-16	4.12	4.12	4.12	4.12	4.12
	-13.7	-14	4.36	4.36	4.36	4.36	4.36
	-11.7	-12	4.59	4.59	4.59	4.59	4.59
	-9.6	-10	4.83	4.83	4.83	4.83	4.83
	-7.5	-8	5.12	5.12	5.12	5.12	5.12
	-5.5	-6	5.42	5.42	5.42	5.42	5.42
	-3.4	-4	5.61	5.60	5.59	5.54	5.48
	-1.3	-2	5.80	5.78	5.76	5.65	5.54
	0.8	0	6.11	6.02	5.94	5.73	5.51
	3.9	3	6.63	6.39	6.16	5.81	5.47
	7.0	6	7.25	6.77	6.30	5.86	5.42
	10.1	9	7.20	6.74	6.28	5.82	5.37
	13.2	12	7.15	6.69	6.24	5.78	5.32
	16.9	15.5	7.10	6.64	6.18	5.73	5.27

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Me 12 (m³/min)	10			4.08	3.31	4.88	3.74	5.28	3.83	5.62	3.88	6.29	4.19	6.53	4.08
	12			4.08	3.31	4.88	3.74	5.28	3.83	5.61	3.87	6.27	4.18	6.50	4.07
	14			4.08	3.31	4.88	3.74	5.28	3.83	5.60	3.87	6.25	4.17	6.48	4.06
	16			4.08	3.31	4.88	3.74	5.28	3.83	5.59	3.87	6.22	4.16	6.45	4.05
	18			4.08	3.31	4.88	3.74	5.28	3.83	5.59	3.87	6.20	4.15	6.42	4.04
	20			4.08	3.31	4.88	3.74	5.28	3.83	5.58	3.86	6.18	4.15	6.39	4.03
	22			4.08	3.31	4.88	3.74	5.28	3.83	5.55	3.85	6.10	4.12	6.30	4.00
	24			4.07	3.31	4.88	3.74	5.28	3.83	5.53	3.84	6.02	4.08	6.22	3.97
	26			4.07	3.31	4.85	3.73	5.23	3.81	5.46	3.81	5.93	4.05	6.12	3.93
	28	3.69	3.26	4.06	3.30	4.83	3.72	5.18	3.79	5.40	3.79	5.83	4.01	6.03	3.90
	30	3.69	3.26	4.05	3.30	4.79	3.70	5.13	3.76	5.33	3.76	5.74	3.97	5.94	3.87
	32	3.69	3.26	4.04	3.29	4.76	3.69	5.08	3.74	5.27	3.74	5.65	3.94	5.85	3.84
	34	3.69	3.26	4.03	3.29	4.74	3.68	5.01	3.71	5.19	3.70	5.53	3.90	5.72	3.79
	35	3.69	3.26	4.02	3.28	4.73	3.68	4.98	3.70	5.14	3.69	5.47	3.87	5.66	3.77
	36	3.69	3.26	4.02	3.28	4.70	3.67	4.96	3.69	5.10	3.67	5.38	3.84	5.55	3.74
	38	3.69	3.26	4.01	3.28	4.62	3.63	4.91	3.67	5.00	3.63	5.18	3.77	5.33	3.67
	39	3.69	3.26	4.00	3.28	4.59	3.62	4.88	3.66	4.95	3.61	5.08	3.73	5.22	3.63
	41	3.69	3.26	3.99	3.27	4.45	3.56	4.68	3.58	4.74	3.53	4.86	3.65	4.98	3.55
	43	3.69	3.26	3.98	3.27	4.31	3.50	4.48	3.50	4.53	3.45	4.63	3.57	4.73	3.47

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Me 12 (m³/min)	-19.8	-20	3.28	3.28	3.28	3.28	3.28
	-17.8	-18	3.49	3.49	3.49	3.49	3.49
	-15.7	-16	3.70	3.70	3.70	3.70	3.70
	-13.7	-14	3.91	3.91	3.91	3.91	3.91
	-11.7	-12	4.12	4.12	4.12	4.12	4.12
	-9.6	-10	4.33	4.33	4.33	4.33	4.33
	-7.5	-8	4.60	4.60	4.60	4.60	4.60
	-5.5	-6	4.86	4.86	4.86	4.86	4.86
	-3.4	-4	5.03	5.02	5.01	4.96	4.92
	-1.3	-2	5.20	5.18	5.17	5.07	4.97
	0.8	0	5.48	5.40	5.33	5.13	4.94
	3.9	3	5.95	5.73	5.52	5.21	4.90
	7.0	6	6.50	6.07	5.65	5.25	4.86
	10.1	9	6.46	6.04	5.63	5.22	4.82
	13.2	12	6.41	6.00	5.59	5.18	4.77
	16.9	15.5	6.36	5.95	5.54	5.13	4.72

Air flow	Outdoor air temp. (°CDB)	Indoor air temperature 21 °CDB 14 °CWB TC	21 °CDB 14 °CWB SHC	23 °CDB 16 °CWB TC	23 °CDB 16 °CWB SHC	26 °CDB 18 °CWB TC	26 °CDB 18 °CWB SHC	27 °CDB 19 °CWB TC	27 °CDB 19 °CWB SHC	28 °CDB 20 °CWB TC	28 °CDB 20 °CWB SHC	31 °CDB 22 °CWB TC	31 °CDB 22 °CWB SHC	33 °CDB 24 °CWB TC	33 °CDB 24 °CWB SHC
Lo 10 (m³/min)	10			3.53	2.82	4.22	3.18	4.57	3.26	4.86	3.30	5.44	3.57	5.65	3.47
	12			3.53	2.82	4.22	3.18	4.57	3.26	4.85	3.30	5.42	3.56	5.63	3.47
	14			3.53	2.82	4.22	3.18	4.57	3.26	4.85	3.30	5.41	3.56	5.60	3.46
	16			3.53	2.82	4.22	3.18	4.57	3.26	4.84	3.30	5.39	3.55	5.58	3.45
	18			3.53	2.82	4.22	3.18	4.57	3.26	4.83	3.29	5.37	3.54	5.56	3.44
	20			3.53	2.82	4.22	3.18	4.57	3.26	4.83	3.29	5.35	3.53	5.53	3.43
	22			3.53	2.82	4.22	3.18	4.57	3.26	4.81	3.28	5.28	3.51	5.46	3.41
	24			3.52	2.81	4.22	3.18	4.57	3.26	4.78	3.27	5.21	3.48	5.38	3.38
	26			3.52	2.81	4.20	3.18	4.53	3.24	4.73	3.25	5.13	3.45	5.30	3.35
	28	3.19	2.77	3.52	2.81	4.18	3.17	4.48	3.22	4.67	3.23	5.05	3.42	5.22	3.32
	30	3.19	2.77	3.51	2.81	4.15	3.15	4.44	3.21	4.62	3.21	4.97	3.38	5.14	3.29
	32	3.19	2.77	3.50	2.80	4.12	3.14	4.40	3.19	4.56	3.18	4.89	3.35	5.06	3.26
	34	3.19	2.77	3.49	2.80	4.10	3.13	4.34	3.16	4.49	3.15	4.79	3.31	4.95	3.22
	35	3.19	2.77	3.48	2.79	4.09	3.13	4.31	3.15	4.45	3.14	4.74	3.30	4.90	3.21
	36	3.19	2.77	3.48	2.79	4.06	3.12	4.29	3.14	4.41	3.12	4.65	3.26	4.81	3.18
	38	3.19	2.77	3.47	2.79	4.00	3.09	4.25	3.13	4.32	3.09	4.48	3.20	4.62	3.11
	39	3.19	2.77	3.47	2.79	3.97	3.08	4.22	3.11	4.28	3.07	4.40	3.17	4.52	3.08
	41	3.19	2.77	3.45	2.78	3.85	3.03	4.05	3.04	4.10	3.00	4.20	3.10	4.31	3.01
	43	3.19	2.77	3.44	2.78	3.73	2.98	3.88	2.98	3.92	2.93	4.01	3.03	4.10	2.94

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 °CDB	18 °CDB	20 °CDB	22 °CDB	24 °CDB
Lo 10 (m³/min)	-19.8	-20	2.86	2.86	2.86	2.86	2.86
	-17.8	-18	3.04	3.04	3.04	3.04	3.04
	-15.7	-16	3.23	3.23	3.23	3.23	3.23
	-13.7	-14	3.41	3.41	3.41	3.41	3.41
	-11.7	-12	3.60	3.60	3.60	3.60	3.60
	-9.6	-10	3.78	3.78	3.78	3.78	3.78
	-7.5	-8	4.01	4.01	4.01	4.01	4.01
	-5.5	-6	4.24	4.24	4.24	4.24	4.24
	-3.4	-4	4.39	4.38	4.38	4.33	4.29
	-1.3	-2	4.54	4.52	4.51	4.42	4.34
	0.8	0	4.78	4.71	4.65	4.48	4.31
	3.9	3	5.19	5.00	4.82	4.55	4.28
	7.0	6	5.67	5.30	4.93	4.58	4.24
	10.1	9	5.63	5.27	4.91	4.56	4.20
	13.2	12	5.60	5.24	4.88	4.52	4.17
	16.9	15.5	5.55	5.19	4.84	4.48	4.12

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PGD000Z101

Model **FDFU71KXE6F** Cool Mode

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Hi 18 (m³/min)	10			5.82	4.76	6.96	5.38	7.53	5.51	8.01	5.57	8.97	6.01	9.31	5.86
	12			5.82	4.76	6.96	5.38	7.53	5.51	8.00	5.57	8.94	6.00	9.27	5.84
	14			5.82	4.76	6.96	5.38	7.53	5.51	7.99	5.57	8.90	5.98	9.23	5.83
	16			5.82	4.76	6.96	5.38	7.53	5.51	7.97	5.56	8.87	5.97	9.19	5.81
	18			5.82	4.76	6.96	5.38	7.53	5.51	7.96	5.55	8.84	5.96	9.15	5.80
	20			5.82	4.76	6.96	5.38	7.53	5.51	7.95	5.55	8.81	5.95	9.11	5.79
	22			5.81	4.76	6.95	5.38	7.53	5.51	7.92	5.54	8.70	5.91	8.99	5.75
	24			5.80	4.75	6.95	5.38	7.53	5.51	7.88	5.52	8.58	5.87	8.86	5.70
	26			5.80	4.75	6.92	5.37	7.46	5.48	7.79	5.49	8.45	5.82	8.73	5.66
	28	5.25	4.69	5.79	4.75	6.89	5.35	7.38	5.45	7.69	5.45	8.31	5.77	8.59	5.62
	30	5.25	4.69	5.78	4.75	6.83	5.33	7.31	5.42	7.60	5.41	8.19	5.72	8.46	5.57
	32	5.25	4.69	5.77	4.74	6.78	5.31	7.24	5.38	7.51	5.38	8.06	5.68	8.33	5.53
	34	5.25	4.69	5.75	4.73	6.76	5.30	7.15	5.34	7.39	5.32	7.89	5.62	8.16	5.47
	35	5.25	4.69	5.74	4.73	6.75	5.30	7.10	5.33	7.33	5.30	7.80	5.59	8.08	5.44
	36	5.25	4.69	5.73	4.72	6.69	5.27	7.06	5.31	7.26	5.27	7.66	5.52	7.92	5.39
	38	5.25	4.69	5.72	4.72	6.59	5.23	6.99	5.28	7.12	5.22	7.38	5.43	7.61	5.29
	39	5.25	4.69	5.71	4.71	6.54	5.21	6.96	5.27	7.05	5.19	7.24	5.38	7.45	5.24
	41	5.25	4.69	5.69	4.71	6.35	5.12	6.67	5.15	6.76	5.08	6.92	5.26	7.10	5.11
	43	5.25	4.69	5.67	4.70	6.15	5.04	6.39	5.04	6.46	4.94	6.60	5.15	6.75	5.01

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Me 15 (m³/min)	10			5.11	4.14	6.10	4.68	6.60	4.78	7.03	4.85	7.87	5.24	8.17	5.10
	12			5.11	4.14	6.10	4.68	6.60	4.78	7.02	4.85	7.84	5.23	8.14	5.09
	14			5.11	4.14	6.10	4.68	6.60	4.78	7.01	4.84	7.81	5.22	8.10	5.08
	16			5.11	4.14	6.10	4.68	6.60	4.78	7.00	4.84	7.78	5.20	8.07	5.07
	18			5.11	4.14	6.10	4.68	6.60	4.78	6.99	4.83	7.76	5.20	8.03	5.05
	20			5.11	4.14	6.10	4.68	6.60	4.78	6.98	4.83	7.73	5.18	8.00	5.04
	22			5.10	4.14	6.10	4.68	6.60	4.78	6.95	4.82	7.63	5.15	7.89	5.01
	24			5.09	4.13	6.10	4.68	6.60	4.78	6.91	4.80	7.53	5.10	7.78	4.97
	26			5.09	4.13	6.07	4.67	6.54	4.76	6.83	4.77	7.41	5.06	7.66	4.92
	28	4.61	4.08	5.08	4.13	6.04	4.65	6.48	4.73	6.75	4.74	7.29	5.01	7.54	4.88
	30	4.61	4.08	5.07	4.13	6.00	4.64	6.42	4.71	6.67	4.70	7.18	4.97	7.43	4.84
	32	4.61	4.08	5.06	4.12	5.95	4.61	6.35	4.68	6.59	4.67	7.07	4.93	7.31	4.80
	34	4.61	4.08	5.04	4.11	5.93	4.61	6.27	4.65	6.49	4.63	6.92	4.87	7.16	4.75
	35	4.61	4.08	5.03	4.11	5.92	4.60	6.23	4.63	6.44	4.61	6.85	4.85	7.09	4.72
	36	4.61	4.08	5.03	4.11	5.87	4.58	6.20	4.62	6.37	4.58	6.73	4.80	6.95	4.68
	38	4.61	4.08	5.02	4.10	5.78	4.54	6.14	4.59	6.25	4.54	6.48	4.71	6.67	4.58
	39	4.61	4.08	5.01	4.10	5.74	4.53	6.11	4.58	6.19	4.51	6.36	4.67	6.54	4.54
	41	4.61	4.08	4.99	4.09	5.57	4.45	5.86	4.48	5.93	4.41	6.07	4.57	6.23	4.44
	43	4.61	4.08	4.97	4.08	5.40	4.38	5.61	4.38	5.67	4.31	5.79	4.47	5.92	4.34

Air flow	Outdoor air temp. (℃DB)	Indoor air temperature 21 ℃CDB 14 ℃WB TC	21 ℃CDB 14 ℃WB SHC	23 ℃CDB 16 ℃WB TC	23 ℃CDB 16 ℃WB SHC	26 ℃CDB 18 ℃WB TC	26 ℃CDB 18 ℃WB SHC	27 ℃CDB 19 ℃WB TC	27 ℃CDB 19 ℃WB SHC	28 ℃CDB 20 ℃WB TC	28 ℃CDB 20 ℃WB SHC	31 ℃CDB 22 ℃WB TC	31 ℃CDB 22 ℃WB SHC	33 ℃CDB 24 ℃WB TC	33 ℃CDB 24 ℃WB SHC
Lo 12 (m³/min)	10			4.29	3.41	5.12	3.85	5.54	3.94	5.90	3.99	6.61	4.31	6.86	4.20
	12			4.29	3.41	5.12	3.85	5.54	3.94	5.89	3.99	6.58	4.30	6.83	4.19
	14			4.29	3.41	5.12	3.85	5.54	3.94	5.88	3.99	6.56	4.29	6.80	4.18
	16			4.29	3.41	5.12	3.85	5.54	3.94	5.87	3.98	6.54	4.29	6.77	4.17
	18			4.29	3.41	5.12	3.85	5.54	3.94	5.87	3.98	6.51	4.27	6.74	4.15
	20			4.29	3.41	5.12	3.85	5.54	3.94	5.86	3.98	6.49	4.27	6.71	4.14
	22			4.28	3.40	5.12	3.85	5.54	3.94	5.83	3.96	6.41	4.23	6.62	4.11
	24			4.27	3.40	5.12	3.85	5.54	3.94	5.80	3.95	6.32	4.20	6.53	4.08
	26			4.27	3.40	5.10	3.84	5.49	3.92	5.74	3.93	6.22	4.16	6.43	4.05
	28	3.87	3.35	4.27	3.40	5.07	3.82	5.44	3.89	5.67	3.90	6.12	4.12	6.33	4.01
	30	3.87	3.35	4.26	3.39	5.03	3.81	5.39	3.87	5.60	3.87	6.03	4.08	6.23	3.98
	32	3.87	3.35	4.25	3.39	4.99	3.79	5.33	3.85	5.54	3.85	5.94	4.05	6.14	3.94
	34	3.87	3.35	4.23	3.38	4.98	3.79	5.26	3.82	5.45	3.81	5.81	4.00	6.01	3.89
	35	3.87	3.35	4.23	3.38	4.97	3.78	5.23	3.81	5.40	3.79	5.75	3.98	5.95	3.87
	36	3.87	3.35	4.22	3.37	4.93	3.76	5.20	3.79	5.35	3.77	5.65	3.94	5.83	3.83
	38	3.87	3.35	4.21	3.37	4.86	3.73	5.15	3.77	5.25	3.73	5.44	3.86	5.60	3.75
	39	3.87	3.35	4.20	3.36	4.82	3.72	5.13	3.76	5.20	3.71	5.34	3.83	5.49	3.72
	41	3.87	3.35	4.19	3.36	4.67	3.65	4.92	3.68	4.98	3.62	5.10	3.74	5.23	3.63
	43	3.87	3.35	4.18	3.36	4.53	3.59	4.71	3.59	4.76	3.54	4.86	3.65	4.97	3.55

Heat Mode

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Hi 18 (m³/min)	-19.8	-20	4.64	4.64	4.64	4.64	4.64
	-17.8	-18	4.94	4.94	4.94	4.94	4.94
	-15.7	-16	5.24	5.24	5.24	5.24	5.24
	-13.7	-14	5.54	5.54	5.54	5.54	5.54
	-11.7	-12	5.83	5.83	5.83	5.83	5.83
	-9.6	-10	6.13	6.13	6.13	6.13	6.13
	-7.5	-8	6.51	6.51	6.51	6.51	6.51
	-5.5	-6	6.88	6.88	6.88	6.88	6.88
	-3.4	-4	7.12	7.11	7.10	7.03	6.96
	-1.3	-2	7.36	7.34	7.32	7.18	7.04
	0.8	0	7.76	7.65	7.54	7.27	7.00
	3.9	3	8.42	8.12	7.82	7.38	6.94
	7.0	6	9.20	8.60	8.00	7.44	6.88
	10.1	9	9.14	8.56	7.97	7.40	6.82
	13.2	12	9.08	8.50	7.92	7.34	6.76
	16.9	15.5	9.01	8.43	7.85	7.27	6.69

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Me 15 (m³/min)	-19.8	-20	4.05	4.05	4.05	4.05	4.05
	-17.8	-18	4.32	4.32	4.32	4.32	4.32
	-15.7	-16	4.58	4.58	4.58	4.58	4.58
	-13.7	-14	4.84	4.84	4.84	4.84	4.84
	-11.7	-12	5.10	5.10	5.10	5.10	5.10
	-9.6	-10	5.36	5.36	5.36	5.36	5.36
	-7.5	-8	5.69	5.69	5.69	5.69	5.69
	-5.5	-6	6.01	6.01	6.01	6.01	6.01
	-3.4	-4	6.22	6.21	6.20	6.14	6.08
	-1.3	-2	6.43	6.41	6.40	6.27	6.15
	0.8	0	6.78	6.68	6.59	6.35	6.12
	3.9	3	7.36	7.09	6.83	6.45	6.06
	7.0	6	8.04	7.51	6.99	6.50	6.01
	10.1	9	7.99	7.47	6.96	6.46	5.96
	13.2	12	7.93	7.43	6.92	6.41	5.91
	16.9	15.5	7.87	7.37	6.86	6.35	5.85

Air flow	outdoor temp DB	outdoor temp WB	indoor temp 16 ℃CDB	18 ℃CDB	20 ℃CDB	22 ℃CDB	24 ℃CDB
Lo 12 (m³/min)	-19.8	-20	3.40	3.40	3.40	3.40	3.40
	-17.8	-18	3.62	3.62	3.62	3.62	3.62
	-15.7	-16	3.84	3.84	3.84	3.84	3.84
	-13.7	-14	4.06	4.06	4.06	4.06	4.06
	-11.7	-12	4.28	4.28	4.28	4.28	4.28
	-9.6	-10	4.50	4.50	4.50	4.50	4.50
	-7.5	-8	4.77	4.77	4.77	4.77	4.77
	-5.5	-6	5.05	5.05	5.05	5.05	5.05
	-3.4	-4	5.22	5.22	5.21	5.16	5.11
	-1.3	-2	5.40	5.39	5.37	5.27	5.17
	0.8	0	5.69	5.61	5.53	5.33	5.14
	3.9	3	6.18	5.96	5.74	5.42	5.09
	7.0	6	6.75	6.31	5.87	5.46	5.05
	10.1	9	6.71	6.28	5.85	5.43	5.00
	13.2	12	6.66	6.24	5.81	5.39	4.96
	16.9	15.5	6.61	6.19	5.76	5.33	4.91

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)
(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

PGD000Z101

(o) Outdoor air processing unit type (FDU-F)

Model **FDU500FKXE6F**

Cooling

Air flow	Outdoor tempreture	15℃WB		20℃WB		25℃WB		28℃WB		30℃WB		32℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
8.5 m³/min 100Pa	20℃DB	1.82	1.57										
	25℃DB	2.31	2.31	4.26	2.35								
	30℃DB	2.55	2.55	4.87	3.43	6.60	2.89	8.90	2.98				
	35℃DB	2.80	2.80	5.10	4.32	7.54	4.09	9.10	3.86	10.95	4.01	12.50	3.96
	40℃DB	3.04	3.04	5.35	5.20	7.79	4.98	9.49	4.82	10.95	4.80	12.45	4.74
9.5 m³/min 100Pa	20℃DB	1.84	1.67										
	25℃DB	2.34	2.34	4.33	2.46								
	30℃DB	2.60	2.60	4.98	3.63	6.77	2.99	9.14	3.00				
	35℃DB	2.87	2.87	5.24	4.62	7.77	4.28	9.39	4.00	11.31	4.08	12.81	3.94
	40℃DB	3.13	3.13	5.52	5.52	8.06	5.27	9.84	5.05	11.36	4.98	12.82	4.83
10.5 m³/min 100Pa	20℃DB	1.89	1.79										
	25℃DB	2.41	2.41	4.46	2.58								
	30℃DB	2.68	2.68	5.13	3.85	6.96	3.12	9.41	3.06				
	35℃DB	2.95	2.95	5.39	4.93	7.99	4.48	9.66	4.14	11.64	4.17	13.19	3.99
	40℃DB	3.22	3.22	5.69	5.69	8.30	5.57	10.12	5.27	11.69	5.16	13.20	4.95

Heating

Air flow	Outdoor tempreture	-10℃WB	-5℃WB	0℃WB	4℃WB	8℃WB	12℃WB
8.5 m³/min 100Pa	-10℃DB	4.83					
	-5℃DB	4.51	4.51				
	0℃DB	4.20	4.20	4.20			
	4℃DB	3.53	3.53	3.53	3.53		
	8℃DB	2.87	2.87	2.87	2.88	2.89	
	12℃DB	2.19	2.19	2.19	2.20	2.22	2.23
	16℃DB	1.51	1.51	1.51	1.52	1.52	1.53
	20℃DB	1.18	1.18	1.18	1.19	1.19	1.20
9.5 m³/min 100Pa	-10℃DB	5.16					
	-5℃DB	4.81	4.81				
	0℃DB	4.48	4.48	4.48			
	4℃DB	3.77	3.77	3.77	3.77		
	8℃DB	3.09	3.09	3.09	3.11	3.12	
	12℃DB	2.37	2.37	2.37	2.38	2.39	2.40
	16℃DB	1.63	1.63	1.63	1.64	1.64	1.65
	20℃DB	1.27	1.27	1.27	1.28	1.29	1.29
10.5 m³/min 100Pa	-10℃DB	5.34					
	-5℃DB	4.98	4.98				
	0℃DB	4.64	4.64	4.64			
	4℃DB	3.90	3.90	3.90	3.90		
	8℃DB	3.31	3.31	3.31	3.32	3.34	
	12℃DB	2.53	2.53	2.53	2.54	2.56	2.57
	16℃DB	1.74	1.74	1.74	1.75	1.76	1.77
	20℃DB	1.36	1.36	1.36	1.37	1.38	1.38

Note(1) This data shows average statuses out of those possible to occur in the system control. (Depending on controls, there may be ranges where the operation is not conducted continuously.)

(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

(3) At heating operation outdoor temperature -5℃DB～-10℃DB,a wind of 10℃ or lower in temperature is blown out for 5～10mintes when starting a outdoor air processing unit after ending a defrosting operation.

PJD001Z365

Model FDU850FKXE6F

Cooling

Air flow	Outdoor tempreture	15℃WB		20℃WB		25℃WB		28℃WB		30℃WB		32℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
14 m³/min 100Pa	20℃DB	3.41	2.73										
	25℃DB	4.54	4.54	7.31	3.99								
	30℃DB	5.61	5.61	8.95	6.05	10.85	4.75	13.70	4.54				
	35℃DB	6.68	6.68	9.33	7.50	12.11	6.57	14.30	6.08	17.40	6.35	18.50	5.70
	40℃DB	7.06	7.06	9.71	8.93	12.48	7.99	15.00	7.64	17.53	7.69	18.20	6.86
16 m³/min 100Pa	20℃DB	3.44	2.93										
	25℃DB	4.61	4.61	7.44	4.17								
	30℃DB	5.72	5.72	9.15	6.41	11.12	4.92	14.06	4.56				
	35℃DB	6.85	6.85	9.59	8.05	12.47	6.92	14.75	6.30	17.97	6.45	18.96	5.69
	40℃DB	7.27	7.27	10.03	9.68	12.92	8.54	15.55	8.05	18.19	8.00	18.75	7.06
17.5 m³/min 80Pa	20℃DB	3.55	3.10										
	25℃DB	4.74	4.74	7.66	4.36								
	30℃DB	5.89	5.89	9.42	6.73	11.45	5.12	14.48	4.68				
	35℃DB	7.05	7.05	9.87	8.53	12.84	7.25	15.18	6.54	18.49	6.62	19.52	5.80
	40℃DB	7.48	7.48	10.32	10.27	13.29	8.99	16.00	8.42	18.72	8.29	19.29	7.30

Heating

Air flow	Outdoor tempreture	-10℃WB	-5℃WB	0℃WB	4℃WB	8℃WB	12℃WB
14 m³/min 100Pa	-10℃DB	7.96					
	-5℃DB	7.48	7.48				
	0℃DB	7.00	7.00	7.00			
	4℃DB	5.82	5.82	5.82	5.82		
	8℃DB	4.72	4.72	4.72	4.74	4.77	
	12℃DB	3.61	3.61	3.61	3.63	3.65	3.67
	16℃DB	2.48	2.48	2.48	2.50	2.51	2.52
	20℃DB	1.95	1.95	1.95	1.95	1.96	1.97
16 m³/min 100Pa	-10℃DB	8.49					
	-5℃DB	7.98	7.98				
	0℃DB	7.47	7.47	7.47			
	4℃DB	6.21	6.21	6.21	6.21		
	8℃DB	5.10	5.10	5.10	5.13	5.15	
	12℃DB	3.91	3.91	3.91	3.93	3.95	3.97
	16℃DB	2.68	2.68	2.68	2.70	2.71	2.72
	20℃DB	2.10	2.10	2.10	2.11	2.12	2.13
17.5 m³/min 80Pa	-10℃DB	8.61					
	-5℃DB	8.18	8.18				
	0℃DB	7.66	7.66	7.66			
	4℃DB	6.36	6.36	6.36	6.36		
	8℃DB	5.23	5.23	5.23	5.26	5.28	
	12℃DB	4.00	4.00	4.00	4.02	4.04	4.06
	16℃DB	2.75	2.75	2.75	2.76	2.78	2.79
	20℃DB	2.15	2.15	2.15	2.17	2.18	2.19

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)

(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

(3) At heating operation outdoor temperature -5℃DB～-10℃DB,a wind of 10℃ or lower in temperature is blown out for 5～10mintes when starting a outdoor air processing unit after ending a defrosting operation.

PJD001Z365

Model FDU1300FKXE6F

Cooling

Air flow	Outdoor tempreture	15℃WB		20℃WB		25℃WB		28℃WB		30℃WB		32℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
22 m³/min 100Pa	20℃CDB	5.00	4.15										
	25℃CDB	6.80	6.80	11.50	6.29								
	30℃CDB	8.10	8.10	13.00	9.01	17.00	7.45	22.40	7.47				
	35℃CDB	9.40	9.40	14.40	11.70	19.40	10.51	22.40	9.52	28.00	10.25	29.20	8.99
	40℃CDB	10.00	10.00	15.00	13.97	20.00	12.77	22.60	11.60	28.00	12.27	29.00	10.93
25 m³/min 100Pa	20℃CDB	5.05	4.43										
	25℃CDB	6.90	6.90	11.70	6.57								
	30℃CDB	8.26	8.26	13.29	9.59	17.43	7.73	23.00	7.50				
	35℃CDB	9.64	9.64	14.80	12.56	19.98	11.05	23.11	9.89	28.92	10.40	29.93	8.98
	40℃CDB	10.30	10.30	15.49	15.11	20.70	13.61	23.43	12.27	29.06	12.77	29.87	11.24
28 m³/min 60Pa	20℃CDB	5.20	4.77										
	25℃CDB	7.11	7.11	12.05	6.87								
	30℃CDB	8.51	8.51	13.68	10.19	17.94	8.05	23.67	7.67				
	35℃CDB	9.92	9.92	15.23	13.39	20.57	11.60	23.79	10.28	29.76	10.67	30.81	9.14
	40℃CDB	10.60	10.60	15.94	15.94	21.31	14.41	24.11	12.87	29.90	13.25	30.74	11.64

Heating

Air flow	Outdoor tempreture	-10℃WB	-5℃WB	0℃WB	4℃WB	8℃WB	12℃WB
22 m³/min 100Pa	-10℃CDB	12.50					
	-5℃CDB	11.70	11.70				
	0℃CDB	10.90	10.90	10.90			
	4℃CDB	9.15	9.15	9.15	9.15		
	8℃CDB	7.42	7.42	7.42	7.46	7.49	
	12℃CDB	5.68	5.68	5.68	5.71	5.74	5.76
	16℃CDB	3.90	3.90	3.90	3.92	3.94	3.96
	20℃CDB	3.06	3.06	3.06	3.07	3.09	3.10
25 m³/min 100Pa	-10℃CDB	13.02					
	-5℃CDB	12.19	12.19				
	0℃CDB	11.35	11.35	11.35			
	4℃CDB	9.53	9.53	9.53	9.53		
	8℃CDB	7.79	7.79	7.79	7.83	7.87	
	12℃CDB	5.97	5.97	5.97	6.00	6.03	6.06
	16℃CDB	4.10	4.10	4.10	4.12	4.14	4.16
	20℃CDB	3.21	3.21	3.21	3.23	3.24	3.26
28 m³/min 60Pa	-10℃CDB	13.46					
	-5℃CDB	12.60	12.60				
	0℃CDB	11.74	11.74	11.74			
	4℃CDB	9.85	9.85	9.85	9.85		
	8℃CDB	8.05	8.05	8.05	8.09	8.13	
	12℃CDB	6.16	6.16	6.16	6.19	6.23	6.26
	16℃CDB	4.23	4.23	4.23	4.26	4.28	4.30
	20℃CDB	3.32	3.32	3.32	3.33	3.35	3.37

Note(1) This data shows average statuses out of those possible to occur in the system control. (Depending on controls, there may be ranges where the operation is not conducted continuously.)

(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

(3) At heating operation outdoor temperature -5℃CDB～-10℃CDB,a wind of 10℃ or lower in temperature is blown out for 5～10mintes when starting a outdoor air processing unit after ending a defrosting operation.

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Model **FDU1800FKXE6F**

Cooling

Air flow	Outdoor tempreture	15℃WB		20℃WB		25℃WB		28℃WB		30℃WB		32℃WB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
30 m³/min 100Pa	20℃DB	6.10	5.33										
	25℃DB	8.30	8.30	14.03	7.88								
	30℃DB	9.88	9.88	15.86	11.47	20.74	9.16	27.50	8.96				
	35℃DB	11.47	11.47	17.57	14.98	23.67	13.14	28.20	12.05	30.30	10.81	32.50	9.61
	40℃DB	12.20	12.20	18.30	18.00	24.40	16.15	27.57	14.52	30.20	13.54	32.40	12.29
34 m³/min 100Pa	20℃DB	6.16	5.73										
	25℃DB	8.42	8.42	14.28	8.27								
	30℃DB	10.08	10.08	16.22	12.24	21.26	9.60	28.23	9.11				
	35℃DB	11.75	11.75	18.05	16.15	24.38	13.91	29.09	12.58	31.29	11.23	33.31	9.78
	40℃DB	12.57	12.57	18.90	18.90	25.26	17.32	28.58	15.47	31.34	14.33	33.37	12.88
38 m³/min 60Pa	20℃DB	6.34	6.18										
	25℃DB	8.67	8.67	14.70	8.69								
	30℃DB	10.38	10.38	16.69	13.04	21.89	10.03	29.06	9.34				
	35℃DB	12.10	12.10	18.58	17.26	25.09	14.66	29.94	13.08	32.21	11.58	34.29	9.99
	40℃DB	12.93	12.93	19.45	19.45	25.99	18.37	29.42	16.33	32.25	15.05	34.34	13.48

Heating

Air flow	Outdoor tempreture	-10℃WB	-5℃WB	0℃WB	4℃WB	8℃WB	12℃WB
30 m³/min 100Pa	-10℃DB	17.06					
	-5℃DB	15.93	15.93				
	0℃DB	14.80	14.80	14.80			
	4℃DB	12.47	12.47	12.47	12.47		
	8℃DB	10.12	10.12	10.12	10.17	10.22	
	12℃DB	7.74	7.74	7.74	7.78	7.82	7.86
	16℃DB	5.32	5.32	5.32	5.35	5.37	5.40
	20℃DB	4.17	4.17	4.17	4.19	4.21	4.23
34 m³/min 100Pa	-10℃DB	17.58					
	-5℃DB	16.41	16.41				
	0℃DB	15.25	15.25	15.25			
	4℃DB	12.85	12.85	12.85	12.85		
	8℃DB	10.49	10.49	10.49	10.54	10.59	
	12℃DB	8.03	8.03	8.03	8.07	8.11	8.15
	16℃DB	5.52	5.52	5.52	5.54	5.57	5.60
	20℃DB	4.32	4.32	4.32	4.34	4.36	4.39
38 m³/min 60Pa	-10℃DB	18.01					
	-5℃DB	16.82	16.82				
	0℃DB	15.62	15.62	15.62			
	4℃DB	13.16	13.16	13.16	13.16		
	8℃DB	10.74	10.74	10.74	10.79	10.85	
	12℃DB	8.22	8.22	8.22	8.26	8.30	8.34
	16℃DB	5.65	5.65	5.65	5.68	5.70	5.73
	20℃DB	4.43	4.43	4.43	4.45	4.47	4.49

Note(1) This data shows average statuses out of those possible to occur in the system control.
(Depending on controls, there may be ranges where the operation is not conducted continuously.)

(2) Symbols are as follows
TC :Total cooling capacity(kW)
SHC :Sensible heat capacity(kW)

(3) At heating operation outdoor temperature -5℃DB～-10℃DB,a wind of 10℃ or lower in temperature is blown out for 5～10mintes when starting a outdoor air processing unit after ending a defrosting operation.

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3 APPLICATION DATA

3.1 Installation of indoor unit

This manual is for the installation of an indoor unit.
For electrical wiring work (Indoor), refer to the electrical wiring work installation manual. For remote controller installation, refer to the installation manual attached to a remote controller. For wireless kit installation, refer to the installation manual attached to a wireless kit. For electrical wiring work (Outdoor) and refrigerant pipe work installation for outdoor unit, refer to the installation manual attached to an outdoor unit.

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and then strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION .
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- The meanings of "Marks" used here are as shown on the right:
  ⃠ Never do it under any circumstances. | ❗ Always do it according to the instruction.
- After completing the installation, do commissioning to confirm there are no abnormalities, and explain to the customers about "SAFETY PRECAUTIONS", correct operation method and maintenance method (air filter cleaning, operation method and temperature setting method) with user's manual of this unit.
  Ask your customers to keep this installation manual together with the user's manual. Also, ask them to hand over the user's manual to the new user when the owner is changed.

⚠ WARNING

- **Installation should be performed by the specialist.**
  If you install the unit by yourself, it may lead to serious trouble such as water leakage, electric shock, fire, and injury due to overturn of the unit.
- **Install the system correctly according to these installation manuals.**
  Improper installation may cause explosion, injury, water leakage, electric shock, and fire.
- **Check the density refered by the foumula (accordance with ISO5149).**
  If the density exceeds the limit density, please consult the dealer and installate the ventilation system.
- **Use the genuine accessories and the specified parts for installation.**
  If parts unspecified by our company are used it could cause water leakage, electric shock, fire, and injury due to overturn of the unit.
- **Ventilate the working area well in case the refrigerant leaks during installation.**
  If the refrigerant contacts the fire, toxic gas is produced.
- **Install the unit in a location that can hold heavy weight.**
  Improper installation may cause the unit to fall leading to accidents.
- **Install the unit properly in order to be able to withstand strong winds such as typhoons, and earthquakes.**
  Improper installation may cause the unit to fall leading to accidents.
- **Do not mix air in to the cooling cycle on installation or removal of the air conditioner.**
  If air is mixed in, the pressure in the cooling cycle will rise abnormally and may cause explosion and injuries.
- **Be sure to have the electrical wiring work done by qualified electrical installer, and use exclusive circuit.**
  Power source with insufficient capacity and improper work can cause electric shock and fire.
- **Use specified wire for electrical wiring, fasten the wiring to the terminal securely, and hold the cable securely in order not to apply unexpected stress on the terminal.**
  Loose connections or hold could result in abnormal heat generation or fire.
- **Arrange the electrical wires in the control box properly to prevent them from rising. Fit the lid of the services panel property.**
  Improper fitting may cause abnormal heat and fire.
- **Check for refrigerant gas leakage after installation is completed.**
  If the refrigerant gas leaks into the house and comes in contact with a fan heater, a stove, or an oven, toxic gas is produced.
- **Use the specified pipe, flare nut, and tools for R410A.**
  Using existing parts (R22) could cause the unit failure and serious accident due to explosion of the cooling cycle.
- **Tighten the flare nut according to the specified method by with torque wrench.**
  If the flare nut were tightened with excess torque, it could cause burst and refrigerant leakage after a long period.
- **Do not put the drainage pipe directly into drainage channels where poisonous gases such as sulfide gas can occur.**
  Poisonous gases will flow into the room through drainage pipe and seriously affect the user's health and safety. This can also cause the corrosion of the indoor unit and a resultant unit failure or refrigerant leak.
- **Connect the pipes for refrigeration circuit securely in installation work before compressor is operated.**
  If the compressor is operated when the service valve is open without connecting the pipe, it could cause explosion and injuries due to abnormal high pressure in the system.
- **Stop the compressor before removing the pipe after shutting the service valve on pump down work.**
  If the pipe is removed when the compressor is in operation with the service valve open, air would be mixed in the refrigeration circuit and it could cause explosion and injuries due to abnormal high pressure in the cooling cycle.
- **Only use prescribed optional parts. The installation must be carried out by the qualified installer.**
  If you install the system by yourself, it can cause serious trouble such as water leaks, electric shocks, fire.
- **Do not repair by yourself. And consult with the dealer about repair.**
  Improper repair may cause water leakage, electric shock or fire.
- **Consult the dealer or a specialist about removal of the air conditioner.**
  Improper installation may cause water leakage, electric shock or fire.
- **Turn off the power source during servicing or inspection work.**
  If the power is supplied during servicing or inspection work, it could cause electric shock and injury by the operating fan.
- **Do not run the unit when the panel or protection guard are taken off.**
  Touching the rotating equipment, hot surface, or high voltage section could cause an injury to be caught in the machine, to get burned, or electric shock.
- **Shut off the power before electrical wiring work.**
  It could cause electric shock, unit failure and improper running.

⚠ CAUTION

- **Perform earth wiring surely.**
  Do not connect the earth wiring to the gas pipe, water pipe, lightning rod and telephone earth wiring. Improper earth could cause unit failure and electric shock due to a short circuit.
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.
- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Do not use any materials other than a fuse of correct capacity where a fuse should be used.**
  Connecting the circuit by wire or copper wire could cause unit failure and fire.
- **Do not install the indoor unit near the location where there is possibility of flammable gas leakages.**
  If the gas leaks and gathers around the unit, it could cause fire.
- **Do not install and use the unit where corrosive gas (such as sulfurous acid gas etc.) or flammable gas (such as thinner, petroleum etc.) may be generated or accumulated, or volatile flammable substances are handled.**
  It could cause the corrosion of heat exchanger, breakage of plastic parts etc. And inflammable gas could cause fire.
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **Do not use the indoor unit at the place where water splashes such as laundry.**
  Indoor unit is not waterproof. It could cause electric shock and fire.
- **Do not use the indoor unit for a special purpose such as food storage, cooling for precision instrument, preservation of animals, plants, and a work of art.**
  It could cause the damage of the items.
- **Do not install nor use the system near equipments which generate electromagnetic wave or high harmonics.**
  Equipments like inverter equipment, private power generator, high-frequency medical equipment, or telecommunication equipment might influence the air conditioner and cause a malfunction and breakdown. Or the air conditioner might influence medical equipments or telecommunication equipments, and obstruct their medical activity or cause jamming.
- **Do not install the remote controller at the direct sunlight.**
  It could cause breakdown or deformation of the remote controller.
- **Do not install the indoor unit at the place listed below.**
  - Places where flammable gas could leak.
  - Places where carbon fiber, metal powder or any powder is floated.
  - Place where the substances which affect the air conditioner are generated such as sulfide gas, chloride gas, acid, alkali or ammonic atmospheres.
  - Places exposed to oil mist or steam directly.
  - On vehicles and ships
  - Places where machinery which generates high harmonics is used.
  - Places where cosmetics or special sprays are frequently used.
  - Highly salted area such as beach.
  - Heavy snow area
  - Places where the system is affected by smoke from a chimney.
  - Altitude over 1000m
- **Do not install the indoor unit in the locations listed below (Be sure to install the indoor unit according to the installation manual for each model because each indoor unit has each limitation)**
  - Locations with any obstacles which can prevent inlet and outlet air of the unit
  - Locations where vibration can be amplified due to insufficient strength of structure.
  - Locations where the infrared receiver is exposed to the direct sunlight or the strong light beam. (in case of the infrared specification unit)
  - Locations where an equipment affected by high harmonics is placed. (TV set or radio receiver is placed within 5m)
  - Locations where drainage cannot run off safely.

  It can affect performance or function and etc..
- **Do not put any valuables which will break down by getting wet under the air conditioner.**
  Condensation could drop when the relative humidity is higher than 80% or drain pipe is clogged, and it damages user's belongings.
- **Do not use the base frame for the outdoor unit which is corroded or damaged after a long period of use.**
  It could cause the unit falling down and injury.
- **Pay attention not to damage the drain pan by weld sputter when brazing work is done near the unit.**
  If sputter entered into the unit during brazing work, it could cause damage (pinhole) of drain pan and leakage of water. To avoid damaging, keep the indoor unit packed or cover the indoor unit.
- **Install the drain pipe to drain the water surely according to the installation manual.**
  Improper connection of the drain pipe may cause dropping water into room and damaging user's belongings.
- **Do not share the drain pipe for indoor unit and GHP (Gas Heat Pump system) outdoor unit.**
  Toxic exhaust gas would flow into room and it might cause serious damage (some poisoning or deficiency of oxygen) to user's health and safety.
- **Be sure to perform air tightness test by pressurizing with nitrogen gas after completed refrigerant piping work.**
  If the density of refrigerant exceeds the limit in the event of refrigerant leakage in the small room, lack of oxygen can occur, which can cause serious accidents.
- **For drain pipe installation, be sure to make descending slope of greater than 1/100, not to make traps, and not to make air-bleeding.**
  Check if the drainage is correctly done during commissioning and ensure the space for inspection and maintenance.
- **Ensure the insulation on the pipes for refrigeration circuit so as not to condense water.**
  Incomplete insulation could cause condensation and it would wet ceiling, floor, and any other valuables.
- **Do not install the outdoor unit where is likely to be a nest for insects and small animals.**
  Insects and small animals could come into the electronic components and cause breakdown and fire. Instruct the user to keep the surroundings clean.
- **Pay extra attention, carrying the unit by hand.**
  Carry the unit with 2 people if it is heavier than 20kg. Do not use the plastic straps but the grabbing place, moving the unit by hand. Use protective gloves in order to avoid injury by the aluminum fin.
- **Make sure to dispose of the packaging material.**
  Leaving the materials may cause injury as metals like nail and woods are used in the package.
- **Do not operate the system without the air filter.**
  It may cause the breakdown of the system due to clogging of the heat exchanger.
- **Do not touch any button with wet hands.**
  It could cause electric shock.
- **Do not touch the refrigerant piping with bare hands when in operation.**
  The pipe during operation would become very hot or cold according to the operating condition, and it could cause a burn or frostbite.
- **Do not clean up the air conditioner with water.**
  It could cause electric shock.
- **Do not turn off the power source immediately after stopping the operation.**
  Be sure to wait for more than 5 minutes. Otherwise it could cause water leakage or breakdown.
- **Do not control the operation with the circuit breaker.**
  It could cause fire or water leakage. In addition, the fan may start operation unexpectedly and it may cause injury.

(a) Ceiling cassette-4way type (FDT)

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①Before installation

- Install correctly according to the installation manual.
- Confirm the following points:
  - ○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

Accessory item

For unit hanging		For refrigerant pipe			For drain pipe			
Flat washer (M10)	Level gauge	Pipe cover(big)	Pipe cover (small)	Strap	Pipe cover(big)	Pipe cover(small)	Drain hose	Hose clamp
8	1	1	1	4	1	1	1	1
For unit hanging	For unit hanging and adjustment	For heat insulation of gas pipe	For heat insulation of liquid tube	For pipe cover fixing	For heat insulation of drain socket	For heat insulation of drain socket	For drain pipe connecting	For drain hose mounting

②Selection of installation location for the indoor unit

① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%. This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above. If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation. (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

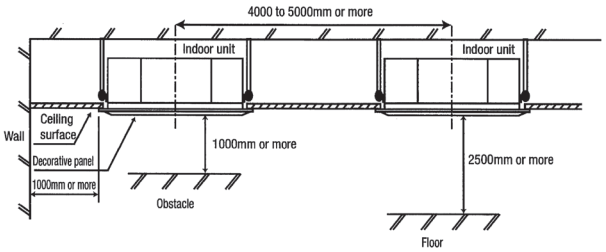
②Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

③If there are 2 units of wireless type, keep them away for more than 6m to avoid malfunction due to cross communication.

④When plural indoor units are installed nearby, keep them away for more than 4 to 5m.

Space for installation and service

- When it is not possible to keep enough space between indoor unit and wall or between indoor units, close the air supply port where it is not possible to keep space and confirm there is no short circuit of airflow.
- Install the indoor unit at a height of more than 2.5m above the floor.



Set blow-out pattern

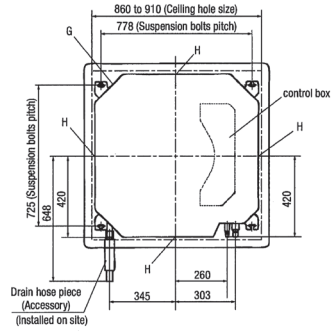
- Select the most proper number of blow-out air supply port direction from 4 way, 3 way or 2 way according to the shape of the room and installation position. (1 way is not available.)
- If it is necessary to change the number of air supply port, prepare the covering materials.

- Instruct the user not to use low fan speed when 2way or 3way air supply is used.
- Do not use 2way air supply port under high temperature and humidity environment. (Otherwise it could cause condensation and leakage of water.)
- It is possible to set the airflow direction port by port independently. Refer to tne user's manual for details.

③Preparation before installation

- If suspension bolt becomes longer, do reinforcement of earthquake resistant.
  - ○For grid ceiling
    When suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
  - ○In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
    When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
- Prepare four (4) sets of suspension bolt, nut and spring washer (M10 or M8) on site.

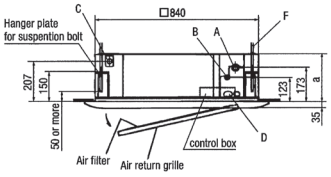
Ceiling opening, Suspension bolts pitch, Pipe position

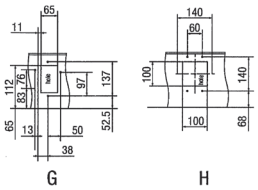


(mm)

Series	Type	a
Single Split (PAC) series	40 to 71 type	246
	100 to 140 type	298
VRF (KX) series	28 to 71 type	246
	90 to 160 type	298

Symbol	
A	Gas piping
B	Liquid piping
C	Drain piping
D	Hole for wiring
F	Suspension bolts
G	Outside air opening for ducting
H	Air outlet opening for ducting





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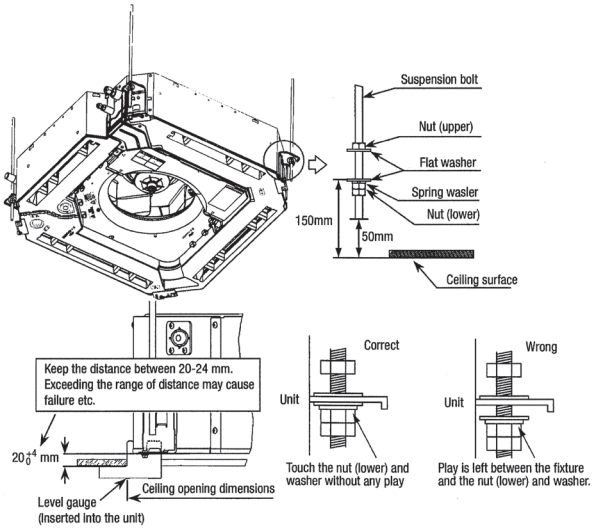
④Installation of indoor unit

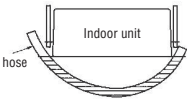
Work procedure

1. Prepare a ceiling hole with the size of from 860mm × 860mm to 910mm × 910mm referring to the template attached in the package.
2. Arrange the suspension bolt at the right position (725mm×778mm).
3. Make sure to use four suspension bolts and fix them so as to be able to hold 500N load.
4. Ensure that the lower end of the suspension bolt should be 50mm above the ceiling plane. Temporarily put the four lower nuts 150mm above the ceiling plane and the upper nuts on distant place from the lower nuts in order not to obstruct hanging the indoor unit or adjust the indoor unit position, and then hang the indoor unit.
5. Adjust the indoor unit position after hanging it by inserting the level gauge attached on the package into the air supply port and checking if the gap between the ceiling plane and the indoor unit is appropriate. In order to adjust the indoor unit position, adjust the lower nuts while the upper nuts are put on distant place. Confirm there is no backlash between the hanger plate for suspension bolt and the lower nut and washer.



④Installation of indoor unit (continued)

6. Make sure to install the indoor unit horizontally. Confirm the levelness of the indoor unit with a level gauge or transparent hose filled with water. Keep the height difference at both ends of the indoor unit within 3mm.
7. Tighten four upper nuts and fix the unit after height and levelness adjustment.



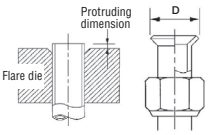
Caution

- Do not adjust the height by adjusting upper nuts. It will cause unexpected stress on the indoor unit and it will lead to deformation of the unit, failure of attaching a panel, and generating noise from the fan.
- Make sure to install the indoor unit horizontally and set the gap between the unit underside and the ceiling plane properly. Improper installation may cause air leakage, dew condensation, water leakage and noise.
- Even after decorative panel attached, still the unit height can be adjusted finely. Refer to the installation manual for decorative panel for details.
- Make sure there is no gap between decoration panel and ceiling surface, and between decoration panel and the indoor unit. The gap may cause air leakage, dew condensation and water leakage.
- In case decorative panel is not installed at the same time, or ceiling material is installed after the unit installed, put the cardboard template for installation attached on the package (packing material of cardboard box) on the bottom of the unit in order to avoid dust coming into the indoor unit.

⑤Refrigerant pipe

Caution

- Be sure to use new pipes for the refrigerant pipes. Use the flare nut attached to the product or a nut compatible with JIS B 8607, Class 2.
  Regarding whether existing pipes can be reused or not, and the washing method, refer to the instruction manual of the outdoor unit, catalogue or technical data.
  1) In case of reuse: Do not use old flare nut, but use the one attached to the unit or compatible with JIS B 8607, Class 2.
  2) In case of reuse: Flare the end of pipe replaced partially for R410A.



Pipe dia. d mm	Min. pipe wall thickness mm	Protruding dimension for flare, mm		Flare O.D. D mm	Flare nut tightening torque N·m
		Rigid (Clutch type)			
		For R410A	Conventional tool		
6.35	0.8	0 ~ 0.5	0.7 ~ 1.3	8.9 ~ 9.1	14 ~ 18
9.52	0.8			12.8 ~ 13.2	32 ~ 42
12.7	0.8			16.2 ~ 16.6	49 ~ 61
15.88	1			19.3 ~ 19.7	68 ~ 72
19.05	1.2			23.6 ~ 24.0	100 ~ 120

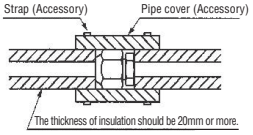
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   (Gas may come out at this time, but it is not abnormal.)
   - Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※Bend radius of pipe must be 4D or larger. Once a pipe is bent, do not readjust the bending. Do not twist a pipe or collapse to 2/3D or smaller.
   ※Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - Make sure to insulate both gas pipes and liquid pipes completely.
     ※Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

⑤Refrigerant pipe (continued)

Caution:
Refrigerating machine oil should not be applied to the threads of union or external surface of flare. It is because, even if the same tightening torque is applied, the oil is likely to decrease the slide friction force on the threads and increase, in turn, the axial component force so that it could crack the flare by the stress corrosion. Refrigerating machine oil may be applied to the internal surface of flare only.



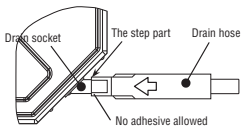
⑥Drain pipe

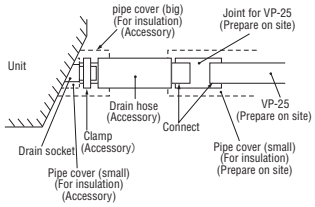
Caution

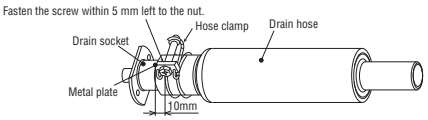
- Install the drain pipe according to the installation manual in order to drain properly.
  Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

Work procedure

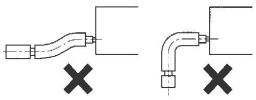
1. Make sure to insert the drain hose (the end mode of soft PVC) to the end of the step part of drain socket.
   Attach the hose clamp to the drain hose around 10mm from the end, and fasten the screw within 5mm left to the nut.
   - Do not apply adhesives on this end.



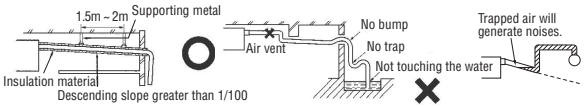




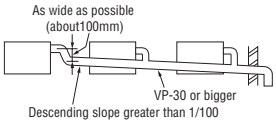
2. Prepare a joint for connecting VP-25 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-25 pipe (prepare on site).
   ※As for drain pipe, apply VP-25 made of rigid PVC which is on the market.
   - Make sure that the adhesive will not get into the supplied drain hose.
     It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - The flexible drain hose is intended to absorb a small difference at installation of the unit or drain pipes. Intentional bending, expanding may cause the flexible hose broken and water leakage.



3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - Do nt set up air vent.



- When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.

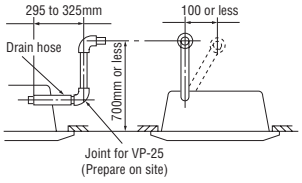


4. Insulate the drain pipe.
   - Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

⑥Drain pipe (continued)

Drain up

- The position for drain pipe outlet can be raised up to 700mm above the ceiling. Use elbows for installation to avoid obstacles inside ceiling. If the horizontal drain pipe is too long before vertical pipe, the backflow of water will increase when the unit is stopped, and it may cause overflow of water from the drain pan on the indoor unit. In order to avoid overflow, keep the horizontal pipe length and offset of the pipe within the limit shown in the figure below.



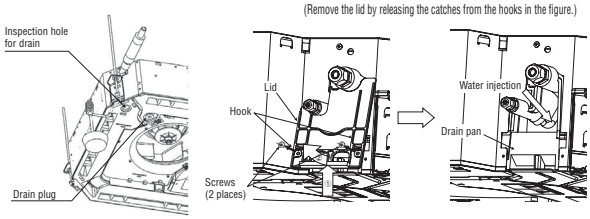
Drain test

- After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan. Check if the motor sound of drain pump is normal or not.
- Do drain test even if installation of heating season.
- For new building cases, make sure to complete the test before hanging the ceiling.

1. Fill water of approx. 1,000 cc in the drain pan of the main unit. Take care not to wet electrical equipment such as the drain pump, etc.
   Inject water through the blow outlet using a feed water pump, or the like, or through the refrigerant pipe joint.

●When injecting water through the blow outlet

●When removing the lid to inject water through the refrigerant joint
(1) Remove screws at 2 places.
(2) While pressing the lid in the direction ①, pull and remove the lid in the direction ②.
(Remove the lid by releasing the catches from the hooks in the figure.)



2. Make sure that water is drained out properly and there is no water leakage from any joints of the drain pipe at the test.
   Confirm that the water is properly drained out while the drain motor is operating. At the drain socket (transparent), it is possible to check if the water is drained out properly.
3. Unplug the drain plug on the indoor unit to remove remaining water on the drain pan after the test, and re-plug it. And insulate the drain pipe properly finally.

Drain pump operation

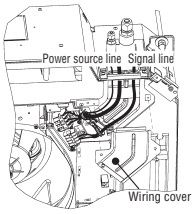
○In case electrical wiring work finished
Drain pump can be operated by remote controller (wired).
For the operation method, refer to Operation for drain pump in the installation manual for wiring work.

○In case electrical wiring work not finished
Drain pump will run continuously when the dip switch"SW7-1" on the indoor unit PCB is turned ON, the Connector CNB is disconnected, and then the power supply (230VAC on the terminal block ① and ②) is turned ON.
Make sure to turn OFF "SW7-1" and reconnect the Connector CNB after the test.

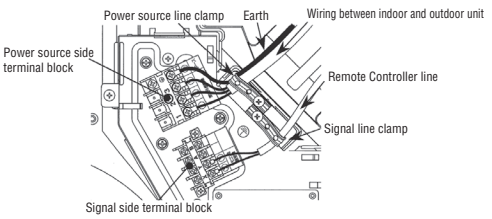
⑦Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (3 screws) and the wiring cover (2 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.

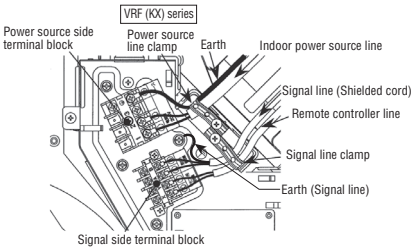


Single Split (PAC) series



⑦Wiring-out position and wiring connection (continued)

VRF (KX) series



⑧Panel installation

- Attach the panel on the indoor unit after electrical wiring work.
- Refer to attached manual for panel installation for details. (See next page)

⑨Check list after installation

- Check the following items after all installation work completed.

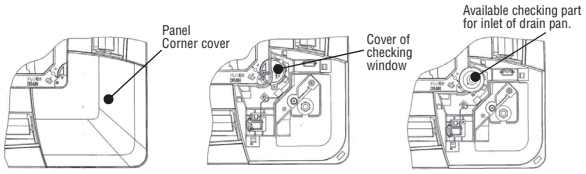
Check if;	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

⑩How to check the dirt of drain pan (Maintenance)

The method of checking the dirt of drain pan

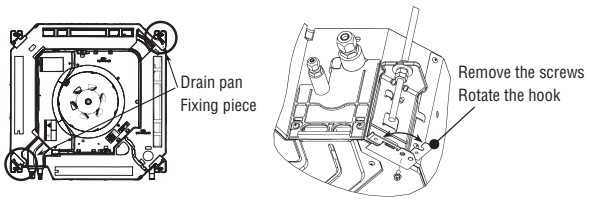
- It is possible to check the dirt for inlet of drain pan without detaching the panel.
  (Inspection is not possible when the high efficient filter and option spacer is installed.)

1. Open the air return grille and remove the panel corner cover on drain pan side.
2. Remove the cover of inspection window. (1screw)
3. Check the drain pan from the inspection window.
   If the drain pan is very dirty, remove the drain pan and clean it.
4. After checking of the dirty of drain pan, restore the cover of the inspection window securely. Improper restoration of the cover may cause dew condensation and water leakage.



Attention for removing drain pan

- The fixing components have been attached the with drain pan. Pay attention to these components during installation and removing. Take off the hanging hook after removing four screws. During the installation of drain pan, fix the drain pan firmly by using four screws after hanging it up with the fixing hook.



PANEL INSTALLATION MANUAL

PJF012D003A A

Read this manual together with the indoor unit's installation manual.

⚠ WARNING

- **Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal. Loose connection or hold will cause abnormal heat generation or fire.**
- **Make sure the power supply is turned off when electric wiring work. Otherwise, electric shock, malfunction and improper running may occur.**

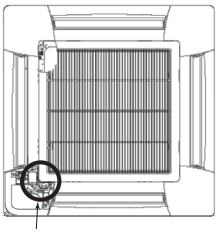
① Before installation

- Follow installation manual carefully, and install the panel properly.
- Check the following items.
  - ○ Accessories

Accessories

Bolt		4 pieces	For panel installation
Strap		4 pieces	For avoiding the corner panel from falling

Note: Accessories are laid in the position removing the corner panel.

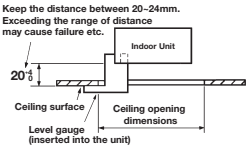


② Checking the indoor unit installation position

- Read this manual together with the air conditioner installation manual carefully.
- Check if the opening size for the indoor unit is correct with the level gauge supplied in the indoor unit.
- Check if the gap between the ceiling plane and the indoor unit is correct by inserting the level gauge into the air outlet port of the indoor unit. (See below drawing)
- Adjust the installation elevation if necessary.

Caution

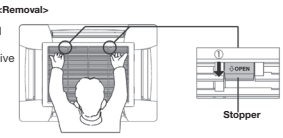
If there is a height difference beyond the design limit between the installation level of the indoor unit and the ceiling plane, the panel may be subject to excessive stress during installation, it may cause distortion and damage.



- The installation level of the indoor unit can be adjusted finely from the opening provided on the corner, even after panel is attached. (Refer to ⑥ Attaching the panel for details.)

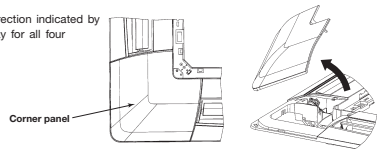
③ Removing the air return grille

1. Hold the stoppers on the air return grille (2 places) toward OPEN direction, open the air return grille.
2. Remove the hooks of the air return grille from the decorative panel while it is in the open position.



④ Removing a corner panel

- Pull the corner panel toward the direction indicated by the arrow and remove it. (Same way for all four corner panels)



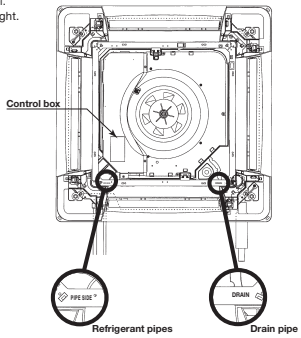
⑤ Orientation of the panel installation

Take note that there is an orientation to install the panel.

- Attach the panel with the orientation shown on the right.
- Align the "PIPE SIDE" mark (on the panel) with the refrigerant pipes on the indoor unit.
- Align the "DRAIN" mark (on the panel) with the drain pipe on the indoor unit.

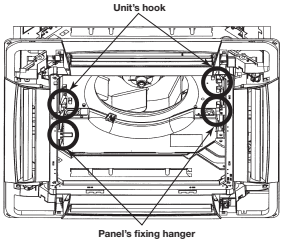
CAUTION

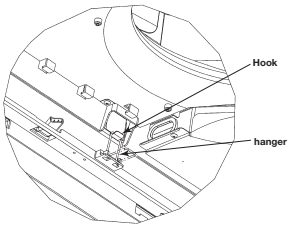
In case the orientation of the panel is not correct, it will lead to air leakage and also it is not possible to connect the louver motor wiring.



⑥ Attaching the panel

1. Temporary attaching
   - Lift up the hanger (2 places) on the panel for temporary support.
   - Hang the panel on the hook on the indoor unit.

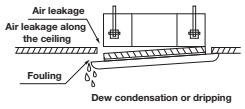


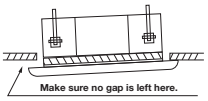


2. Fix the panel on the indoor unit
   - Fasten the panel on the indoor unit with the four bolts supplied with the panel.

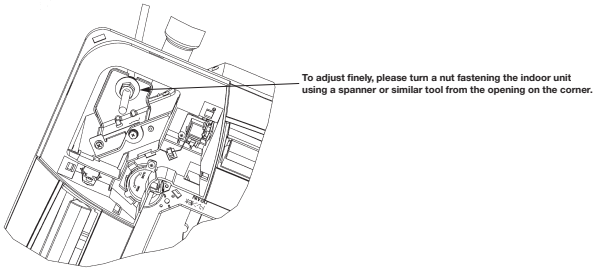
Caution

- Improperly tightened hanging bolts can cause the problems listed below, so make sure that you have tightened them securely.
- If there is a gap remaining between the ceiling and the decorative panel even after the hanging bolts are tightened, adjust the installation level of the indoor unit again.





- It is possible to adjust the installation height of the indoor unit with the panel attached as long as there is no influence on the drain pipe inclination and/or the indoor unit levelness.

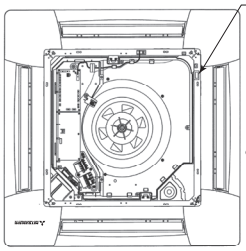


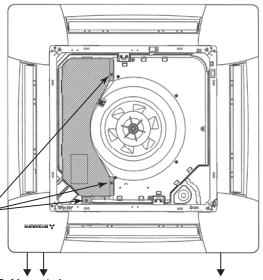
Caution

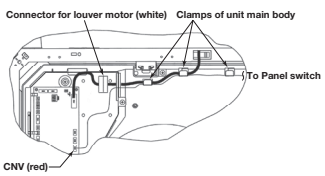
Make sure there is no stress given on the panel when adjusting the height of the indoor unit to avoid unexpected distortion. It may cause the distortion of panel or failing to close the air return grille.

⑦ Electrical wiring

1. After removing three screws of control box, detach the cover of control box (the hatched part).
2. Connect the connector for louver motor (white 20P).
   - Hold the wiring by using the clamps of the indoor unit.
   - Hold the connector inside the control box.
3. Connect the connector for panel switch.
   - Hold the wiring by using the clamps of the indoor unit.
   - Connect CNV (red) inside the control box.





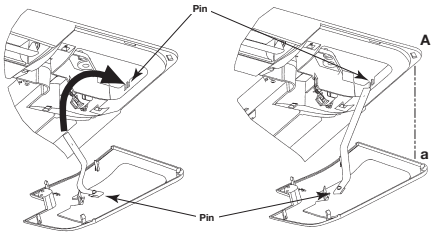


CAUTION

- If the air return grill is opened, the panel switch is turned off so that the air-conditioner cannot be operated any more.
- To start the air conditioner, close the air return grill.

⑧ Attaching a corner panel

1. To avoid unexpected falling of the corner panel, put the strap onto the corner panel's pin with turning the strap up.
2. Then hang the strap of a corner panel onto the decorative panel's pin.
3. First insert the part "a" of a corner panel into the part "A" of the decorative panel, and then engage four hooks.



⑨ How to set the airflow direction *1

It is possible to change the movable range of the louver on the air outlet from the wired remote controller. Once the top and bottom position is set, the louver will swing within the range between the top and the bottom when swing operation is chosen. It is also possible to apply different setting to each louver.

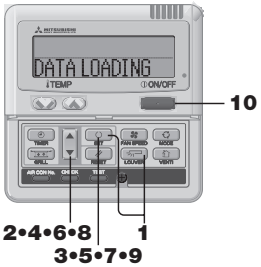
1 Stop the air conditioner and press SET button and LOUVER button simultaneously for three seconds or more.

The following is displayed if the number of the indoor units connected to the remote controller is one. Go to step 4.

" DATA LOADING "
↓
" No.1 ▲"

The following is displayed if the number of the indoor units connected to the remote controller are more than one

" SELECT I/U "
↓
" I/U000 ▲"



2 Press ▲ or ▼ button.(selection of indoor unit)

Select the indoor unit of which the louver is set.

[EXAMPLE]

" I/U000 ▲"⇔" I/U001 ⇕ "⇔" I/U002 ⇕ "⇔
" I/U003 ⇕ "

3 Press SET button. (determination of indoor unit)

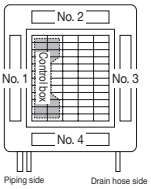
Selected indoor unit is fixed.

[EXAMPLE]

" I/U001 " (displayed for two seconds)
↓
" DATA LOADING "
↓
" No.1 ▲"

NOTICE

- For FDT type, in case the louver No to be set is uncertain, set any louver temporarily. The louver will swing once when the setting is completed and it is possible to confirm the louver No and the position.
  After that, choose the correct louver No and set the top and bottom position.



Louver No.

4 Press ▲ or ▼ button. (selection of louver No.)

Select the louver No. to be set according to the right figure.

[EXAMPLE]

" No.1 ▲"⇔" No.2 ⇕"⇔" No.3 ⇕"⇔
" No.4 ▼"

5 Press SET button. (Determination of louver No.)

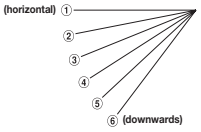
The louver No. to be set is confirmed and the display shows the upper limit of the movable range.

[EXAMPLE] If No.1 louver is selected,
"No.1 UPPER2 ⇕" ← current upper limit position

6 Press ▲ or ▼ button. (selection of upper limit position)

Select the upper limit of louver movable range.
"position1" is the most horizontal, and "position 6" is the most downward.
"position --" is to return to the factory setting. If you need to change the setting to the default setting, use "position --".

"No.1 UPPER1 ▼" (the most horizotal)
⇔ "No.1 UPPER2 ⇕"
⇔ "No.1 UPPER3 ⇕"
⇔ "No.1 UPPER4 ⇕"
⇔ "No.1 UPPER5 ⇕"
⇔ "No.1 UPPER6 ⇕" (the most downwards)
⇔ "No.1 UPPER-- ▲" (return to the default setting)



the position of the louver

7 Press SET button (Fixing of the upper limit position)

The upper limit position is fixed and the setting position is displayed for two seconds. Then proceed to lower limit position selection display.

[EXAMPLE]

No.1 UPPER2 (displayed for two seconds)
↓
No.1 LOWER5 ⇕ (shows current setting)

8 Press ▲ or ▼ button (Selection of lower limit position)

Select the lower limit position of louver.
"position 1" is the most horizontal, and "position 6 "is the most downwards.
"position --" is to return to the factory setting. If you need to change the setting to the default setting, use "position --".

No.1 LOWER1 ▼ (the most horizontal)
No.1 LOWER2 ⇕
No.1 LOWER3 ⇕
No.1 LOWER4 ⇕
No.1 LOWER5 ⇕
No.1 LOWER6 ⇕ (the most horizontal)
No.1 LOWER-- ▲ (return to the default setting)

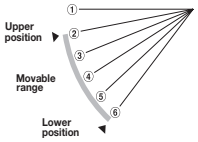
9 Press SET button (Fixing of the lower limit position)

Upper limit position and lower limit position are fixed, and the set positions are displayed for two seconds, then setting is completed.

- After the setting is completed, the louver which was set moves from the original position to the lower limit position, and goes back to the original position again. (This operation is not performed if the indoor unit and/or indoor unit fan is in operation.)

[Example]

No.1 U2 L6 (displayed for two seconds)
SET COMPLETE
No.1 ▲



10 Press ON/OFF button.

Louver adjusting mode ends and returns to the original display.

*2

Caution

If the upper limit position number and the lower limit position number are set to the same position, the louver is fixed at that position auto swing does not funtion.

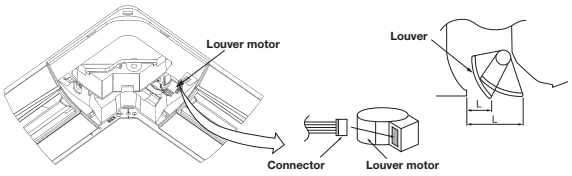
ATTENTION

If you press RESET button during settings, the display will return to previous display. If you press ON/OFF button during settings, the mode will be ended and return to original display, and the settings that have not been completed will become invalid.

When plural remote controllers are connected, louver setting operation cannot be set by slave remote controller.

If it is necessary to fix the louver position manually, follow the procedure mentioned below.

1. Shut off the main power switch.
2. Unplug the connector of the louver motor which you want to fix the position. Make sure to insulate unplugged connectors electrically with a vinyl tape.
3. Adjust the louver position slowly by hand so as to be within the applicable range mentioned below table.



<Range of louver setting>

Vertical airflow direction	Horizontal 0°	Downwards 45°
Dimension L (mm)	43	26

※It can be set between 26~43mm freely.

Caution

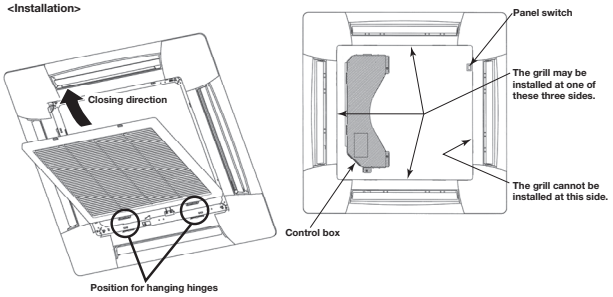
- Any automatic control or operation from the remote controller will be disabled on the louver whose position is fixed in the above way.
- Do not set a louver beyond the specified range. Failure to observe this instruction may result in dripping, dew condensation, the fouling of the ceiling and the malfunctioning of the unit.

⑩ Attaching the air return grille

To attach the air return grille, follow the procedure described in ⑨ Removing the air return grille in the reverse order.

1. Hang the hooks of the air return grille in the hole of the panel. (The hooks of the grille can be hanged in three side of the panel as following.)
2. After the grille is hanged, close the grille while the stoppers on the grille (2 places) are kept pressed to "OPEN" direction. When the grille comes to the original position, release the stoppers to hold the grille. Make sure to hear the sound of "CLICK" in both stoppers.

<Installation>



Caution

- Attaching the air return grille from the hinge side.
- Be careful in air return grille attaching, unstable attaching may cause grille falling.
- Repair or replace the distorted, broken stopper at once, or the grille falling may occur.

*1 This function is not able to be set with wireless remote controls or simple remote control (RCH-H3).
*2 For setting the swing range of other louvers, return to 1 and proceed same procedure respectively.

(b) Ceiling cassette-4way compact type (FDTC)

PJA012D786

① Before installation

- Install correctly according to the installation manual.
- Confirm the following points:
  - ○ Unit type/Power supply specification ○ Pipes/Wires/Small parts ○ Accessory items

Accessory itme

For unit hanging		For refrigerant pipe			For draom pipe			
Flat washer (M10)	Level gauge (Insulation)	Pipe cover(big)	Pipe cover (small)	Strap	Pipe cover(big)	Pipe cover(small)	Drain hose	Hose clamp
8	4	1	1	4	1	1	1	1
For unit hanging	For adjustment in hoisting in the unit's main body	For heat insulation of gas pipe	For heat insulation of liquid tube	For pipe cover fixing	For heat insulation of drain socket	For heat insulation of drain socket	For drain pipe connecting	For drain hose mounting

② Selection of installation location for the indoor unit

① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
  If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

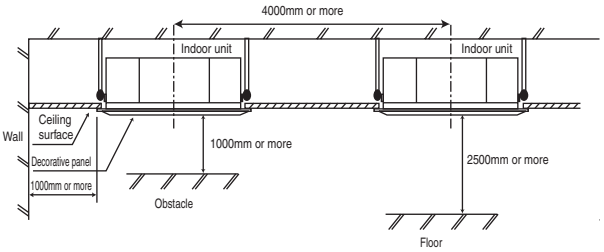
② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

③ If there are 2 units of wireless type, keep them away for more than 5m to avoid malfunction due to cross communication.

④ When plural indoor units are installed nearby, keep them away for more than 4m.

Space for installation and service

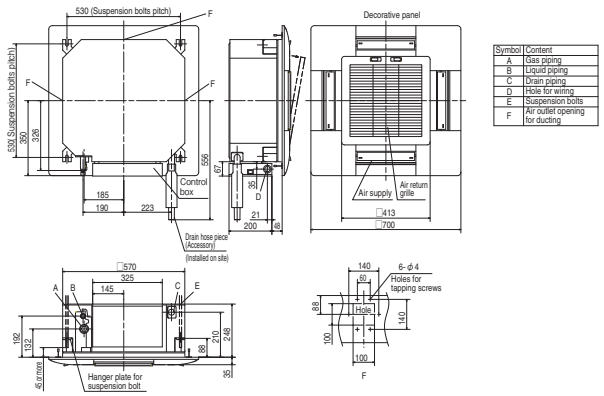
- When it is not possible to keep enough space between indoor unit and wall or between indoor units, close the air supply port where it is not possible to keep space and confirm there is no short circuit of airflow.
- Install the indoor unit at a height of more than 2.5m above the floor.



③ Preparation before installation

- If suspension bolt becomes longer, do reinforcement of earthquake resistant.
  - ○ For grid ceiling
    When suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
  - ○ In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
    When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
- Prepare four (4) sets of suspension bolt, nut and spring washer (M10 or M8) on site.

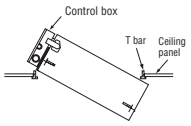
Ceiling opening, Suspension bolts pitch, Pipe position



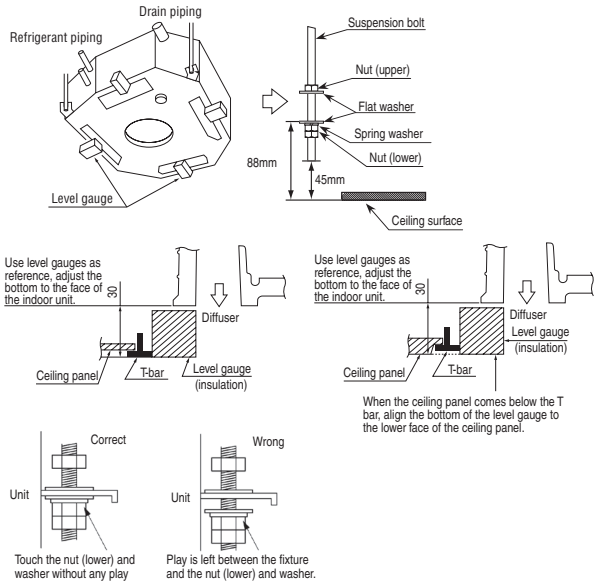
④ Installation of indoor unit

Work procedure

1. This units is designed for 2 x 2 grid ceiling.
   If necessary, please detach the T bar temporarily before you install it.
   If it is installed on a ceiling other than 2 x 2 grid ceiling, provide an inspection port on the control box side.
2. Arrange the suspension bolt at the right position (530mm×530mm).
3. Make sure to use four suspension bolts and fix them so as to be able to hold 500N load.
4. Ensure that the lower end of the suspension bolt should be 45mm above the ceiling plane.
   Temporarily put the four lower nuts 88mm above the ceiling plane and the upper nuts on distant place from the lower nuts in order not to obstruct hanging the indoor unit or adjust the indoor unit position, and then hang the indoor unit.

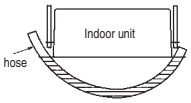


5. Adjust the indoor unit position after hanging it by inserting the level gauge attached on the package into the air supply port and checking if the gap between the ceiling plane and the indoor unit is appropriate. In order to adjust the indoor unit position, adjust the lower nuts while the upper nuts are put on distant place. Confirm there is no backlash between the hanger plate for suspension bolt and the lower nut and washer.



④ Installation of indoor unit (continued)

6. Make sure to install the indoor unit horizontally. Confirm the levelness of the indoor unit with a level gauge or transparent hose filled with water. Keep the height difference at both ends of the indoor unit within 3mm.
7. Tighten four upper nuts and fix the unit after height and levelness adjustment.



Caution

- Do not adjust the height by adjusting upper nuts. It will cause unexpected stress on the indoor unit and it will lead to deformation of the unit, failure of attaching a panel, and generating noise from the fan.
- Make sure to install the indoor unit horizontally and set the gap between the unit underside and the ceiling plane properly. Improper installation may cause air leakage, dew condensation, water leakage and noise.
- Even after decorative panel attached, still the unit height can be adjusted finely. Refer to the installation manual for decorative panel for details.
- Make sure there is no gap between decoration panel and ceiling surface, and between decoration panel and the indoor unit. The gap may cause air leakage, dew condensation and water leakage.
- In case decorative panel is not installed at the same time, or ceiling material is installed after the unit installed, put the cardboard template for installation attached on the package (packing material of cardboard box) on the bottom of the unit in order to avoid dust coming into the indoor unit.

⑤ Refrigerant pipe

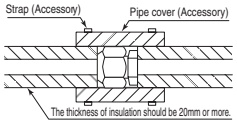
Caution

- Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  ・ Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  ・ Do not use thin-walled pipes.
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   (Gas may come out at this time, but it is not abnormal.)
   - Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※ Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※ Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - Make sure to insulate both gas pipes and liquid pipes completely.
     ※ Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 to 18
ϕ 9.52	34 to 42
ϕ 12.7	49 to 61
ϕ 15.88	68 to 82
ϕ 19.05	100 to 120



⑥ Drain pipe

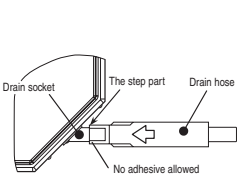
Caution

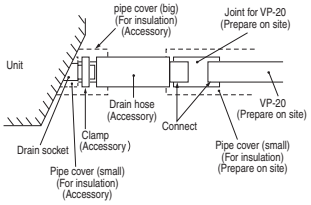
- Install the drain pipe according to the installation manual in order to drain properly.
  Imperfection in draining may cause flood indoors and wetting the household goods etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

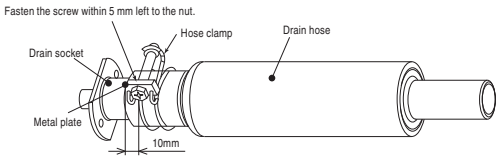
⑥ Drain pipe (continued)

Work procedure

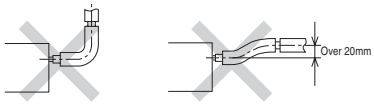
1. Make sure to insert the drain hose (the end mode of soft PVC) to the end of the step part of drain socket.
   Attach the hose clamp to the drain hose around 10mm from the end, and fasten the screw within 5mm left to the nut.
   - Do not apply adhesives on this end.



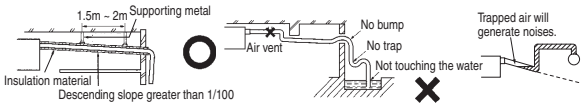




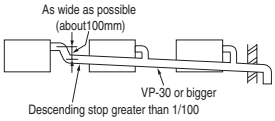
2. Prepare a joint for connecting VP-20 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-20 pipe (prepare on site).
   ※ As for drain pipe, apply VP-20 made of rigid PVC which is on the market.
   - Make sure that the adhesive will not get into the supplied drain hose.
     It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - Do not bend or make an excess offset on the drain hose as shown in the picture.
     Bend or excess offset will cause drain leakage.



3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - Do not set up air vent.



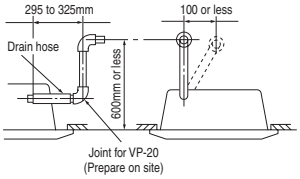
   - When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.



4. Insulate the drain pipe.
   - Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※ After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

Drain up

- The position for drain pipe outlet can be raised up to 600mm above the ceiling. Use elbows for installation to avoid obstacles inside ceiling. If the horizontal drain pipe is too long before vertical pipe, the backflow of water will increase when the unit is stopped, and it may cause overflow of water from the drain pan on the indoor unit. In order to avoid overflow, keep the horizontal pipe length and offset of the pipe within the limit shown in the figure below.

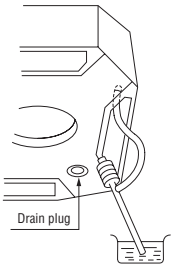


⑥ Drain pipe (continued)

Drain test

- After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan. Check if the motor sound of drain pump is normal or not.
- Do drain test even if installation of heating season.
- For new building cases, make sure to complete the test before hanging the ceiling.

1. Pour water of about 1000cc into the drain pan in the indoor unit by pump so as not to get the electrical component wet.
2. Make sure that water is drained out properly and there is no water leakage from any joints of the drain pipe at the test.
   Confirm that the water is properly drained out while the drain motor is operating. At the drain socket (transparent), it is possible to check if the water is drained out properly.
3. Unplug the drain plug on the indoor unit to remove remaining water on the drain pan after the test, and re-plug it. And insulate the drain pipe properly finally.



Drain pump operation

○ In case electrical wiring work finished
Drain pump can be operated by remote controller (wired).
For the operation method, refer to Operation for drain pump in the installation manual for wiring work.

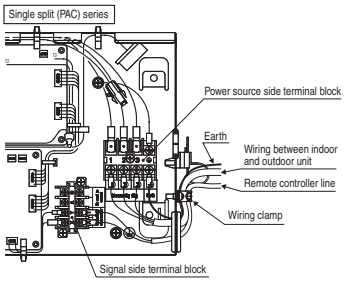
○ In case electrical wiring work not finished
Drain pump will run continuously when the dip switch"SW7-1" on the indoor unit PCB is turned ON, the Connector CNB is disconnected, and then the power supply (220-240VAC on the terminal block [① and ②] or [Ⓛ and Ⓝ]) is turned ON.
Make sure to turn OFF "SW7-1" and reconnect the Connector CNB after the test.

⑦ Wiring-out position and wiring connection

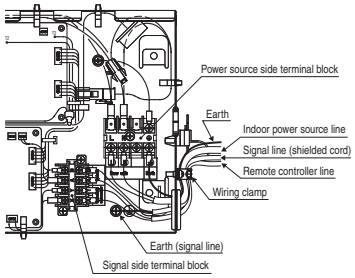
- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country. Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (1 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamp.
4. Install a lid of the control box back to original place.

Single split (PAC) series



VRF (KX) series



⑧ Panel installation

- After wiring work finished, install the panel on the indoor unit.
- Refer to panel installation manual for details. (see next page)

Accessory items

1	Hook		1 piece	For fixing temporarily
2	Chain		2 pieces	
3	Bolt		4 pieces	For installing the panel
4	Screw		1 piece	For attaching a hook
5	Screw		2 pieces	For attaching a chain

- Attach the panel on the indoor unit after electrical wiring work.
- Refer to attached manual for panel installation for details. (See next page)

⑨ Check list after installation

- Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

PANEL INSTALLATION MANUAL

PJA012D783

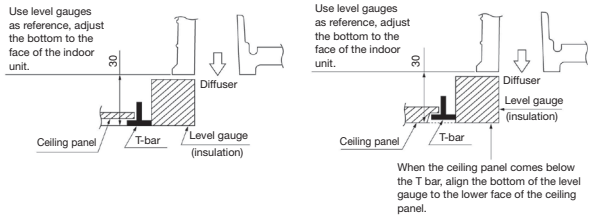
Please read this manual together with the indoor unit's installation manual.

⚠ WARNING

- **Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal.**
  Loose connection or hold will cause abnormal heat generation or fire.
- **Make sure the power supply is turned off when electric wiring work.**
  Otherwise, electric shock, malfunction and improper running may occur.

① Checking the indoor unit installation position

- Read this manual together with the air conditioner installation manual carefully.
- Check if the gap between the ceiling plane and the indoor unit is correct by inserting the level gauge into the air outlet port of the indoor unit. (See below drawing)
- Adjust the installation elevation if necessary.
- Remove the level gauge before you attach the panel.

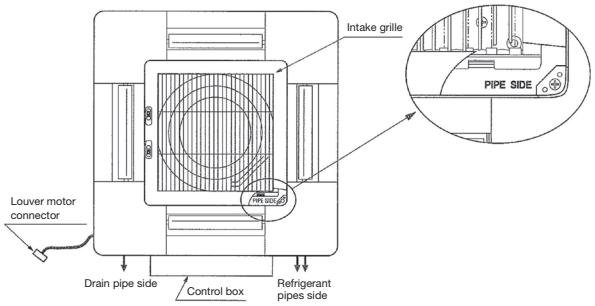


② Orientation of the panel and return air grille installation

1. Take note that there is an orientation to install the panel.
   - Attach the panel with the orientation shown on the below.
   - Align the "PIPE SIDE" mark (on the panel) with the refrigerant pipes on the indoor unit.
2. The intake grille can also be attached in a rotated position by 90 degrees.

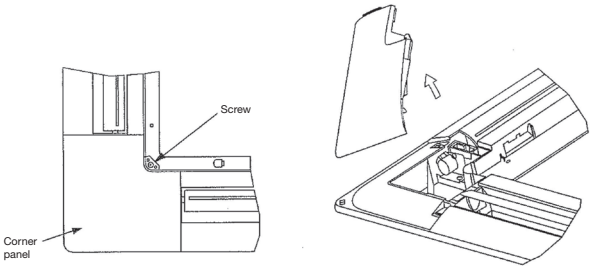
Caution

· In case the orientation of the panel is not correct, it will lead to air leakage and also it is not possible to connect the louver motor wiring.



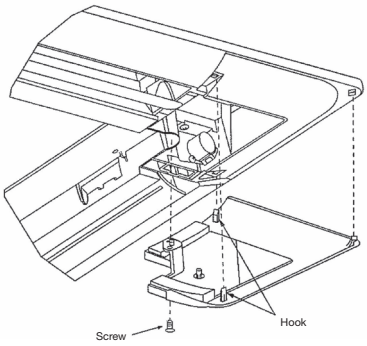
③ Removing a corner panel

- Unscrew the screw from the corner area, pull the corner panel toward the direction indicated by the arrow mark.



④ Attaching a corner panel

- First insert the part "a" of a corner panel into the part "A" of the cover panel, engage two hooks and tighten the screw.



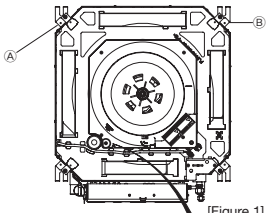
⑤ Panel installation

- Install the panel on the unit after completing the electrical wiring.

Accessories

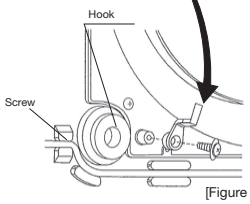
1	Hook		1 piece	For fixing temporarily
2	Chain		2 pieces	
3	Screw		4 pieces	For hoisting the panel
4	Screw		1 piece	For attaching a hook
5	Screw		2 pieces	For attaching a chain

1. Screw in two bolts out of the four supplied with the panel by about slightly less than 5mm. (● mark Ⓐ Ⓑ) [Figure 1]



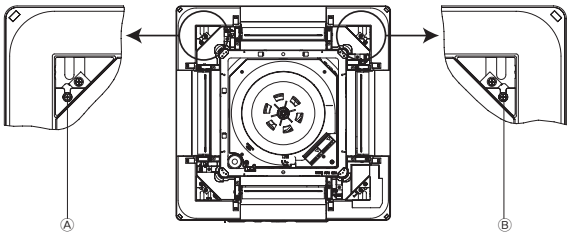
[Figure 1]

2. Attach the hook supplied with the panel to the main body with the hook fixing screw (1 screw). [Figure 2]
3. Open the intake grille.
4. Please remove the screw of a corner panel and remove a corner panel. (four places)



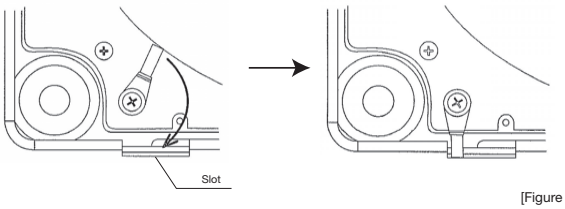
[Figure 2]

5. A panel is hooked on two bolts (● mark Ⓐ Ⓑ). [Figure 3]



[Figure 3]

6. Please rotate a hook, put in the slot on the panel, and carry out fixing the panel temporarily. [Figure 4]

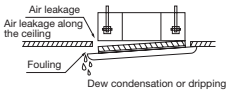


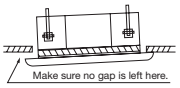
[Figure 4]

7. Tighten the two bolts used for fixing the panel temporarily and the other two.

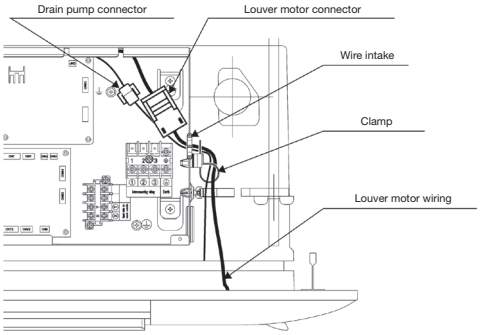
Caution

- Improperly tightened hanging bolts can cause the problems listed below, so make sure that you have tightened them securely.
- If there is a gap remaining between the ceiling and the decorative panel even after the hanging bolts are tightened, adjust the installation level of the indoor unit again.



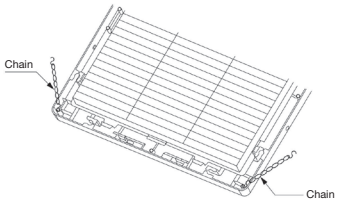


8. Please open the lid of a control box.
9. Like drain pump wiring, please band together by the clamp and put in louver motor wiring into a control box. [Figure 5]
10. Please connect a louver motor connector. [Figure 5]



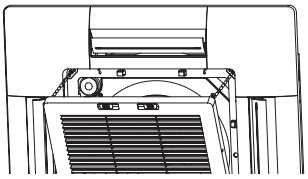
[Figure 5]

11. Attach two chains to the intake grille with two screws. [Figure 6]



[Figure 6]

12. Replace the corner panels. Please also close a chain with a screw together then. [Figure 7]
13. Close the intake grill.



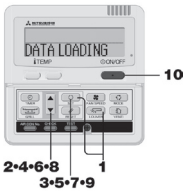
[Figure 7]

Caution

Make sure there is no stress given on the panel when adjusting the height of the indoor unit to avoid unexpected distortion. It may cause the distortion of panel or failing to close the air return grille.

⑦ How to set the airflow direction *1

It is possible to change the movable range of the louver on the air outlet from the wired remote controller. Once the top and bottom position is set, the louver will swing within the range between the top and the bottom when swing operation is chosen. It is also possible to apply different setting to each louver.



1 Stop the air conditioner and press SET button and LOUVER button simultaneously for three seconds or more.

The following is displayed if the number of the indoor units connected to the remote controller is one. Go to step **4**.

"DATA LOADING"
↓
"No.1"

The following is displayed if the number of the indoor units connected to the remote controller are more than one

"SELECT I/U"
↓
"I/U000"

2 Press ▲ or ▼ button. (selection of indoor unit)

Select the indoor unit of which the louver is set.

[EXAMPLE]

"I/U000" ⇔ "I/U001" ⇔ "I/U002" ⇔ "I/U003"

3 Press SET button. (determination of indoor unit)

Selected indoor unit is fixed.

[EXAMPLE]

"I/U001" (displayed for two seconds)
↓
"DATA LOADING"
↓
"No.1"

NOTICE

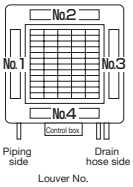
- In case the louver No to be set is uncertain, set any louver temporarily.
  The louver will swing once when the setting is completed and it is possible to confirm the louver No and the position.
  After that, choose the correct louver No and set the top and bottom position.

4 Press ▲ or ▼ button. (selection of louver No.)

Select the louver No. to be set according to the right figure.

[EXAMPLE]

"No.1" ⇔ "No.2" ⇔ "No.3" ⇔ "No.4"



5 Press SET button. (Determination of louver No.)

The louver No. to be set is confirmed and the display shows the upper limit of the movable range.

[EXAMPLE] If No.1 louver is selected,

"No.1 UPPER2" ← current upper limit position

6 Press ▲ or ▼ button. (selection of upper limit position)

Select the upper limit of louver movable range.
"position 1" is the most horizontal, and "position 6" is the most downward.
"position --" is to return to the factory setting. If you need to change the setting to the default setting, use "position --".

"No.1 UPPER1" (the most horizontal)
⇔ "No.1 UPPER2"
⇔ "No.1 UPPER3"
⇔ "No.1 UPPER4"
⇔ "No.1 UPPER5"
⇔ "No.1 UPPER6" (the most downwards)
⇔ "No.1 UPPER--" (return to the default setting)

7 Press SET button. (Fixing of the upper limit position)

The upper limit position is fixed and the setting position is displayed for two seconds. Then proceed to lower limit position selection display.

[EXAMPLE]

No.1 UPPER2 (displayed for two seconds)
↓
No.1 LOWER5 (shows current setting)

8 Press ▲ or ▼ button. (Selection of lower limit position)

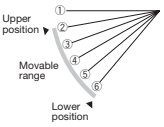
Select the lower limit position of louver.
"position 1" is the most horizontal, and "position 6" is the most downwards.
"position --" is to return to the factory setting. If you need to change the setting to the default setting, use "position --".

No.1 LOWER1 (the most horizontal)
No.1 LOWER2
No.1 LOWER3
No.1 LOWER4
No.1 LOWER5
No.1 LOWER6 (the most downwards)
No.1 LOWER-- (return to the default setting)

9 Press SET button. (Fixing of the lower limit position)

Upper limit position and lower limit position are fixed, and the set positions are displayed for two seconds, then setting is completed.

- After the setting is completed, the louver which was set moves from the original position to the lower limit position, and goes back to the original position again. (This operation is not performed if the indoor unit and/or indoor unit fan is in operation.)



[EXAMPLE]

No.1 U2 L6 (displayed for two seconds)

SET COMPLETE

No.1

10 Press ON/OFF button.

Louver adjusting mode ends and returns to the original display.

Caution *2

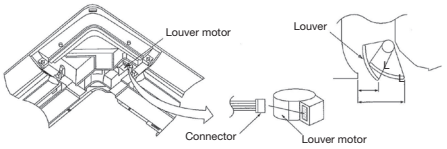
If the upper limit position number and the lower limit position number are set to the same position, the louver is fixed at that position auto swing does not function.

ATTENTION

If you press RESET button during settings, the display will return to previous display.
If you press ON/OFF button during settings, the mode will be ended and return to original display, and the settings that have not been completed will become invalid.

When plural remote controllers are connected, louver setting operation cannot be set by slave remote controller.

If it is necessary to fix the louver position manually, follow the procedure mentioned below.
1. Shut off the main power switch.
2. Unplug the connector of the louver motor which you want to fix the position.
   Make sure to insulate unplugged connectors electrically with a vinyl tape.
3. Adjust the louver position slowly by hand so as to be within the applicable range mentioned below table.



<Range of louver setting>

Vertical airflow direction	Horizontal 23°	Downwards 50°
Dimension L (mm)	40	24

※It can be set between 24~40mm freely.

Caution

- Any automatic control or operation from the remote controller will be disabled on the louver whose position is fixed in the above way.
- Do not set a louver beyond the specified range. Failure to observe this instruction may result in dripping, dew condensation, the fouling of the ceiling and the malfunctioning of the unit.

*1 This function is not able to be set with wireless remote controls or simple remote control (RCH-H3).
*2 For setting the swing range of other louvers, return to 1 and proceed same procedure respectively.

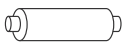
(C) Ceiling cassette-2way type (FDTW)

PJB012D305

① Before installation

● Install the unit correctly according to this installation manual.
● Check the following items:
○ Unit type/Power supply specification ○ Piping/Wiring/Small parts ○ Accessory

Accessory

For unit suspension		For refrigerant pipe			For drain pipe			
Flat washer (M10)	Level gauge	Pipe cover (Large)	Pipe cover (Small)	Strap	Pipe cover (Large)	Pipe cover (Small)	Drain hose	Hose clamp
								
4 pc	1 pc	1 pc	1 pc	4 pc	1 pc	1 pc	1 pc	1 pc
For unit suspension	For adjustment of unit suspension	For heat insulation of gas pipe	For heat insulation of liquid pipe	For pipe cover fixing	For heat insulation of drain socket	For heat insulation of drain socket	For drain pipe connecting	For drain hose mounting

② Selection of installation location for the indoor unit

① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and do maintenace.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.

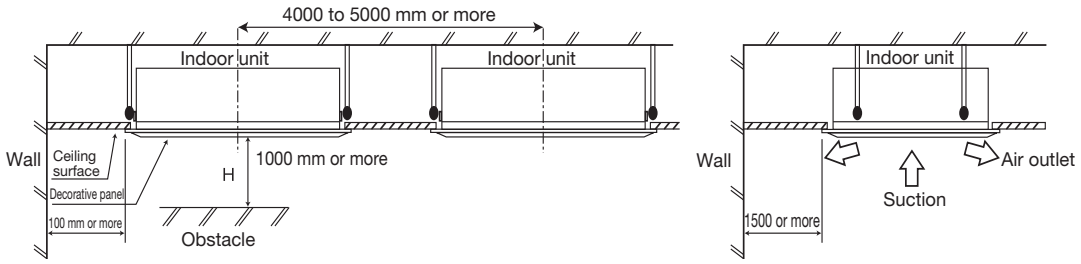
This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thickness for entire surface of indoor unit, refrigeration pipe and drain pipe.

- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table ware, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

② Check if the place where the air conditioner is installed is strong enough to support the weight of the unit. If it is not strong enough to support, reinforce the structure with boards, beams and soon. If the strength is not enough, the unit may fall and it could injure someone.
③ If there are 2 units using wireless remote controller, keep them away for more than 6m to avoid malfunction due to cross communication.
④ When plural indoor units are installed nearby, keep them away for more than 4 to 5m.

Space for installation and maintenance

● Install the unit at 2.5 m or higher.



③ Preparation before installation

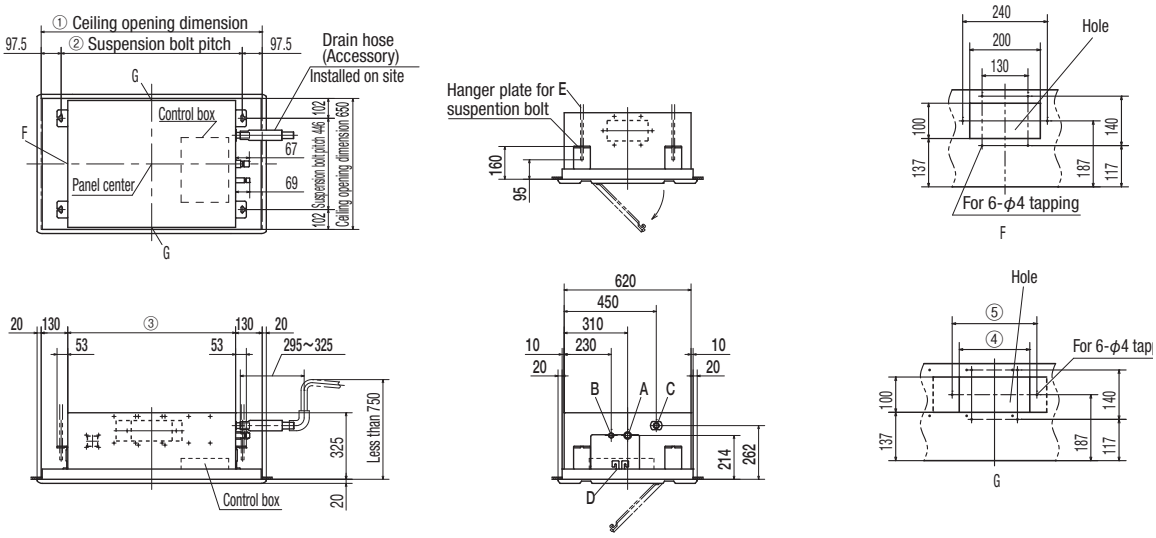
● If suspension bolt becomes longer, do reinforcement of earthquake resistant.
○ For grid ceiling
When suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
○ In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
● Prepare four (4) sets of suspension bolt, nut and spring washer (M10 or M8) on site.

Ceiling opening, suspension bolt pitch and pipe position

(mm)

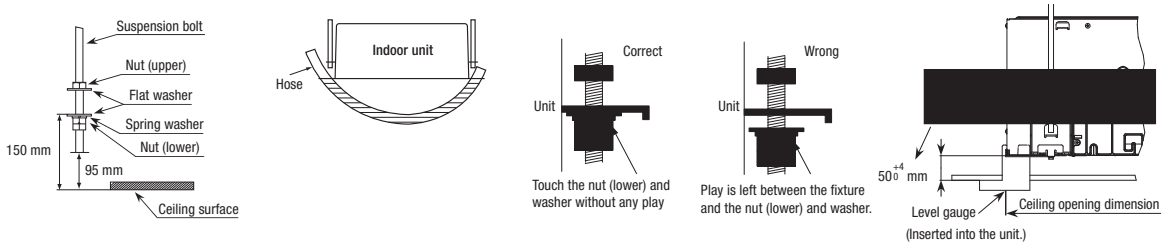
Symbol	Description	Symbol	Description
A	Gas piping	E	Suspension bolt
B	Liquid piping	F	Outside air opening for ducting
C	Drain piping	G	Air outlet opening for ducting
D	Hole for wiring		

Series	Type	①	②	③	④	⑤
VRF (KX) Series	28 to 71 type	1080	885	820	200	240
	90 to 140 type	1795	1600	1535	440	480



Work procedure

1. Prepare a hole of specified size on the ceiling.
2. Install suspension bolts at specified positions.
3. Make sure to use four suspension bolts and fix them so as to be able to hold 500N load.
4. Ensure that the lower end of the suspension bolt should be 95mm above the ceiling plane. Temporarily put the four lower nuts 150mm above the ceiling plane and the upper nuts on distant place from the lower nuts in order not to obstruct hanging the indoor unit or adjust the indoor unit position, and then hang the indoor unit.
5. Adjust the indoor unit position after hanging it by inserting the level gauge attached on the package into the air supply port and checking if the gap between the ceiling plane and the indoor unit is appropriate. In order to adjust the indoor unit position, adjust the lower nuts while the upper nuts are put on distant place. Confirm there is no backlash between the hanger plate for suspension bolt and the lower nut and washer.
6. Make sure to install the indoor unit horizontally. Confirm the levelness of the indoor unit with a level gauge or transparent hose filled with water. Keep the height difference at both ends of the indoor unit within 3mm.
7. Tighten four upper nuts and fix the unit after height and levelness adjustment.



#

④ Installation of indoor unit - Continued

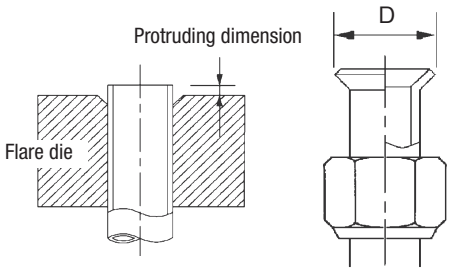
Caution

- Do not adjust the height by adjusting upper nuts. It will cause unexpected stress on the indoor unit and it will lead to deformation of the unit, failure of attaching a panel, and generating noise from the fan.
- Make sure to install the indoor unit horizontally and set the gap between the unit underside and the ceiling plane properly. Improper installation may cause air leakage, dew condensation, water leakage and noise.
- Make sure there is no gap between decoration panel and ceiling surface, and between decoration panel and the indoor unit. The gap may cause air leakage, dew condensation and water leakage.

⑤ Refrigerant pipe

Caution

- **Be sure to use new pipes for the refrigerant pipes. Use the flare nut attached to the product or a nut compatible with JIS B 8607, Class 2.**
  Regarding whether existing pipes can be reused or not, and the washing method, refer to the instruction manual of the outdoor unit, catalogue or technical data.
  1) In case of reuse: Do not use old flare nut, but use the one attached to the unit or compatible with JIS B 8607, Class 2.
  2) In case of reuse: Flare the end of pipe replaced partially for R410A.

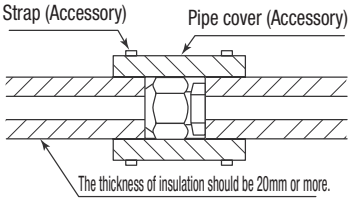


Pipe dia. d mm	Min. pipe wall thickness mm	Protruding dimension for flare, mm		Flare O.D. D mm	Flare nut tightening torque N·m
		Rigid (Clutch type)			
		For R410A	Conventional tool		
6.35	0.8	0 ~ 0.5	0.7 ~ 1.3	8.9 ~ 9.1	14 ~ 18
9.52	0.8			12.8 ~ 13.2	32 ~ 42
12.7	0.8			16.2 ~ 16.6	49 ~ 61
15.88	1			19.3 ~ 19.7	68 ~ 72
19.05	1.2			23.6 ~ 24.0	100 ~ 120

- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them. (Gas may come out at this time, but it is not abnormal.)
   - **Pay attention whether the flare nut pops out.** (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※ Bend radius of pipe must be 4D or larger. Once a pipe is bent, do not readjust the bending. Do not twist a pipe or collapse to 2/3D or smaller.
   ※ Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table above. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - **Make sure to insulate both gas pipes and liquid pipes completely.**
   ※ Incomplete insulation may cause dew condensation or water leakage.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.



Caution:
Refrigerating machine oil should not be applied to the threads of union or external surface of flare. It is because, even if the same tightening torque is applied, the oil is likely to decrease the slide friction force on the threads and increase, in turn, the axial component force so that it could crack the flare by the stress corrosion.
Refrigerating machine oil may be applied to the internal surface of flare only.

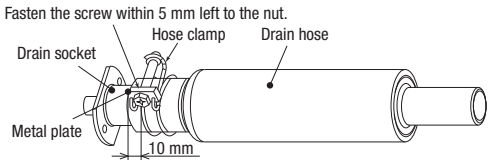
⑥ Drain pipe

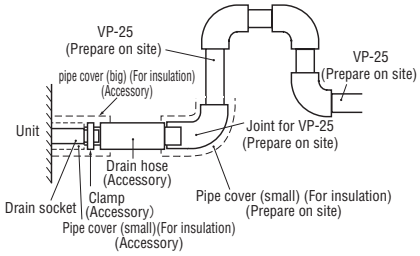
Caution

- **Install the drain pipe according to the installation manual in order to drain properly.**
  Imperfection in draining may cause flood indoors and wetting the household goods,etc.
- **Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated.**
  Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- **Connect the pipe securely to avoid water leakage from the joint.**
- **Insulate the pipe properly to avoid condensation drop.**
- **Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.**
- **Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe.**
  Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

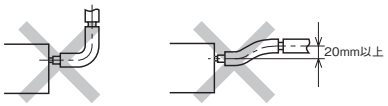
Work procedure

1. Make sure to insert the drain hose (the end mode of soft PVC) to the end of the step part of drain socket.
   Attach the hose clamp to the drain hose around 10mm from the end, and fasten the screw within 5mm left to the nut.
   - **Do not apply adhesives on this end.**

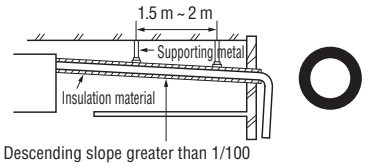


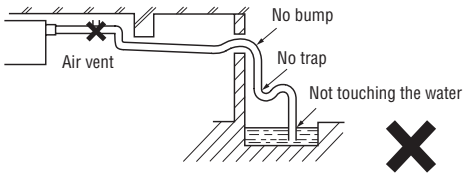


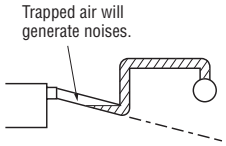
2. Prepare a joint for connecting VP-25 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-25 pipe (prepare on site).
   ※ As for drain pipe, apply VP-25 made of rigid PVC which is on the market.
   - **Make sure that the adhesive will not get into the supplied drain hose.**
     It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - The flexible drain hose is intended to absorb a small difference at installation of the unit or drain pipes. Intentional bending, expanding may cause the flexible hose broken and water leakage.



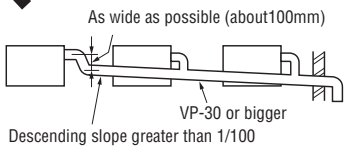
3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - Do nt set up air vent.







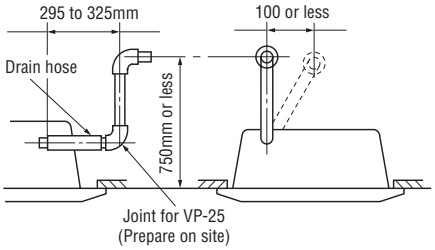
- When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.



4. Insulate the drain pipe.
   - Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※ After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

Drain up

- The position for drain pipe outlet can be raised up to 700mm above the ceiling. Use elbows for installation to avoid obstacles inside ceiling. If the horizontal drain pipe is too long before vertical pipe, the backflow of water will increase when the unit is stopped, and it may cause overflow of water from the drain pan in the indoor unit. In order to avoid overflow, keep the horizontal pipe length and offset of the pipe within the limit shown in the figure on the right.



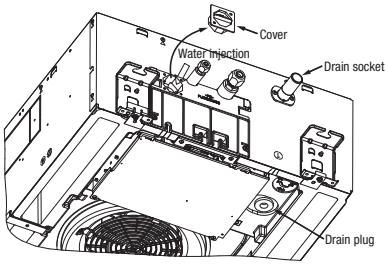
⑥ Drain pipe connection – Continued

Drain test

- After installation of drain pipe, make sure that drain system works in good condition and there is no water leakage from joint and drain pan. Check if the motor sound of drain pump is normal or not.
- Do drain test even if installation of heating season.
- For new building cases, make sure to complete the test before hanging the ceiling.

Work procedure

1. Remove the cover from the piping lid (2 screws), inject water of approx. 1,000 cc into the drain pan of main unit using a water pump, or other, from the section shown in the figure with care not to wet electrical parts.
2. Confirm that water is drained properly and that no water leaks from drain pipe joints.
   Test the draining while hearing the operating sound of drain motor.
   Draining can be seen through the drain socket (transparent).
3. When the drain test is over, remove the drain plug and drain water.
   After checking the draining, reinstall the drain plug.



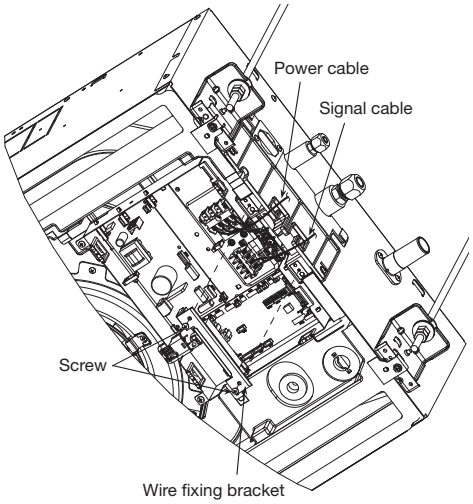
Drain pump operation

○ In case electrical wiring work finished
Drain pump can be operated by remote controller (wired).
For the operation method, refer to Operation for drain pump in the installation manual for wiring work.

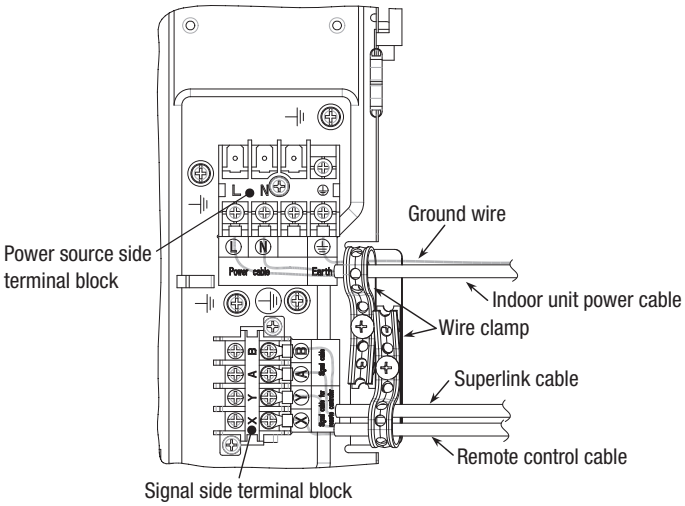
○ In case electrical wiring work not finished
Drain pump will run continuously when the dip switch"SW7-1" on the indoor unit PCB is turned ON, the Connector CNB is disconnected, and then the power supply (230VAC on the terminal block ① and ②) is turned ON.
Make sure to turn OFF "SW7-1" and reconnect the Connector CNB after the test.

⑦ Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal firmly, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.



1. Remove the lid of control box (2 screws) and the wire fixing bracket (2 screws).
2. Introduce wires in the unit and connect them securely to the terminal block.
3. Fix each wire with the wire clamp.
4. Reinstall all removed parts.



⑧ Panel installation

- Attach the panel on the indoor unit after electrical wiring work.
- Refer to attached manual for panel installation for details. (See next page)

⑨ Check list after installation

- Check the following items after all installation work completed.

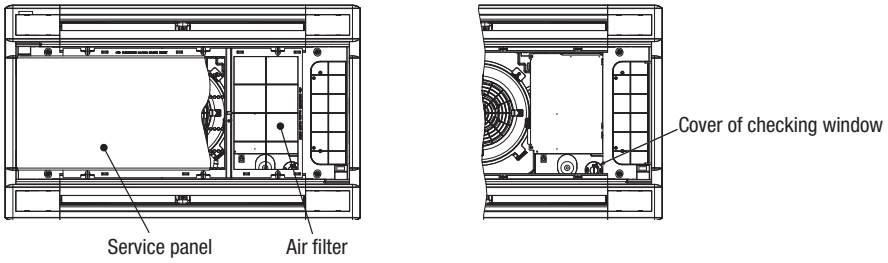
Check if;	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

⑩ How to check the dirt of drain pan (Maintenance)

The method of checking the dirt of drain pan

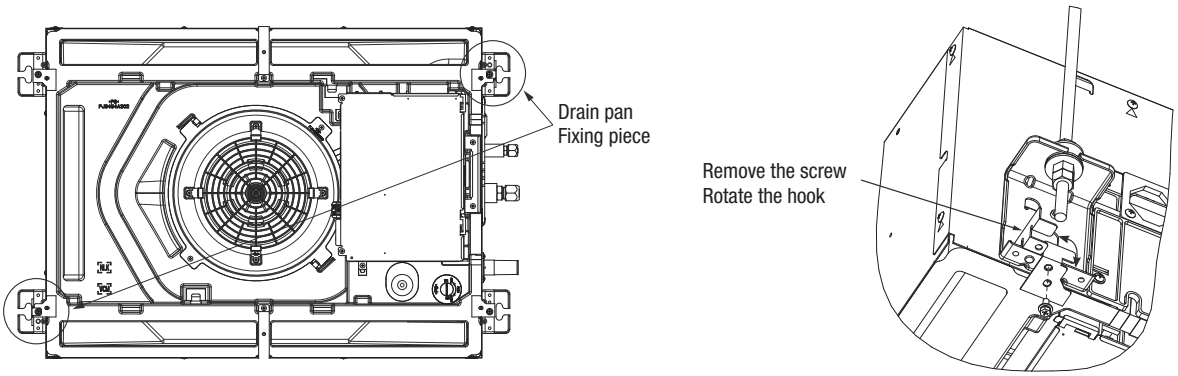
- It is possible to check the dirt for inlet of drain pan without detaching the panel.

1. Remove the service panel and the air filter.
2. Remove the inspection hole cover located at the corner of drain pan.
3. Observe the condition of drain pan through the inspection hole.
   When the drain pan is fouled heavily, remove it and clean.
4. Reinstall the inspection hole cover securely after the check. Unless it is fitted properly, it could cause dewing or water leakage.



Attention for removing drain pan

- The fixing components have been attached the with drain pan. Pay attention to these components during installation and removing. Take off the hanging hook after removing four screws. During the installation of drain pan, fix the drain pan firmly by using four screws after hanging it up with the fixing hook.



PANEL INSTALLATION MANUAL

PJB012D300A

Read this manual together with the indoor unit's installation manual.

SAFETY PRECAUTIONS

- First of all, read the "SAFETY PRECAUTIONS" carefully and strictly follow the instruction during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION.
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- The meanings of "Marks" used here are as shown on the right:

⃠	Never do it under any circumstances.	❗	Always do it according to the instruction.

- After completing the installation, do commissioning to confirm there are no abnormalities, and explain to the customers about "SAFETY PRECAUTIONS", correct operation method and maintenance method (air filter cleaning, operation method and temperature setting method) with user's manual of this unit. Ask your customers to keep this installation manual together with the user's manual. Also, ask them to hand over the user's manual to the new user when the owner is changed.

⚠WARNING

- **Installation should be performed by the specialist.**
  If you install the unit by yourself, it may lead to serious trouble such as water leakage, electric shock, fire, and injury due to overturn of the unit.
- **Install the system correctly according to these installation manuals.**
  Improper installation may cause explosion, injury, water leakage, electric shock, and fire.
- **Use the genuine accessories and the specified parts for installation.**
  If parts unspecified by our company are used it could cause water leakage, electric shock, fire, and injury due to overturn of the unit.
- **Be sure to have the electrical wiring work done by qualified electrical installer, and use exclusive circuit.**
  Power source with insufficient capacity and improper work can cause electric shock and fire.
- **Use specified wire for electrical wiring, fasten the wiring to the terminal securely, and hold the cable securely in order not to apply unexpected stress on the terminal.**
  Loose connections or hold could result in abnormal heat generation or fire.
- **Arrange the electrical wires in the control box properly to prevent them from rising. Fit the lid of the services panel property.**
  Improper fitting may cause abnormal heat and fire.
- **Only use prescribed optional parts. The installation must be carried out by the qualified installer.**
  If you install the system by yourself, it can cause serious trouble such as water leaks, electric shocks, fire.
- **Do not repair by yourself. And consult with the dealer about repair.**
  Improper repair may cause water leakage, electric shock or fire.
- **Turn off the power source during servicing or inspection work.**
  If the power is supplied during servicing or inspection work, it could cause electric shock and injury by the operating fan.
- **Do not run the unit when the panel or protection guard are taken off.**
  Touching the rotating equipment, hot surface, or high voltage section could cause an injury to be caught in the machine, to get burned, or electric shock.
- **Shut off the power before electrical wiring work.**
  It could cause electric shock, unit failure and improper running.

① Before installation

- Follow installation manual carefully, and install the panel properly.
- Confirm that the item shown at right is contained in the packing.

Accessory

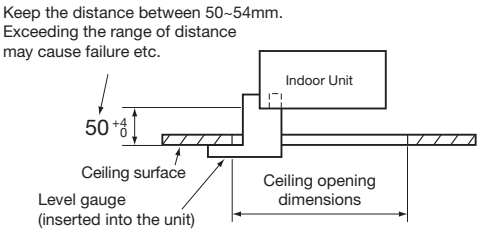
Bolt		6 pieces	For panel installation

② Checking the indoor unit installation position

- Read this manual together with the air conditioner installation manual carefully.
- Check if the opening size for the indoor unit is correct with the level gauge supplied in the indoor unit.
- Check if the gap between the ceiling plane and the indoor unit is correct by inserting the level gauge into the air outlet port of the indoor unit. (See below drawing)
- Adjust the installation elevation if necessary.
- Remove the level gauge before installing the panel.

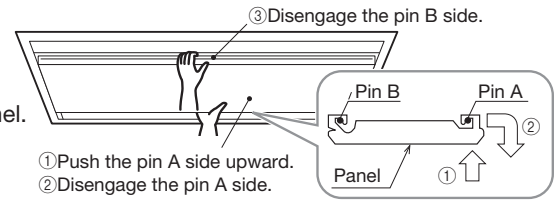
Caution

If there is a height difference beyond the design limit between the installation level of the indoor unit and the ceiling surface, the panel may be subject to excessive stress during installation, it may cause distortion and damage.



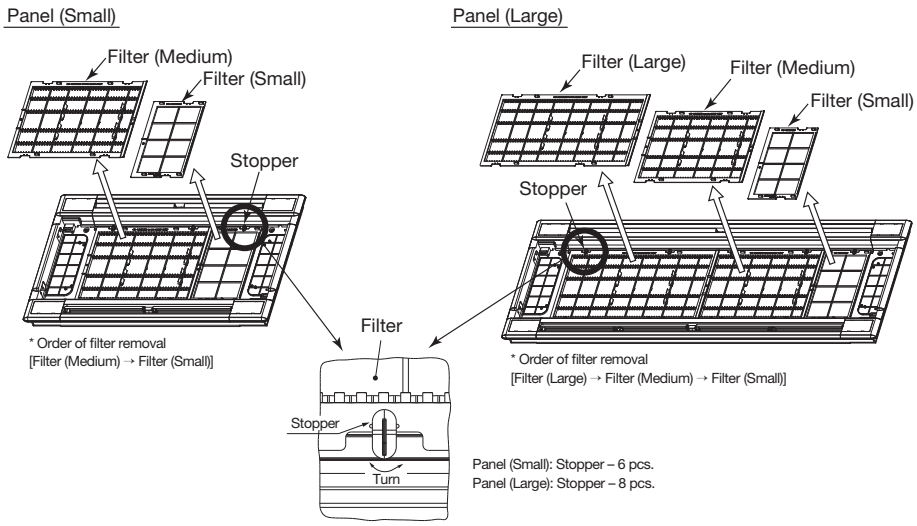
③ Removing the service panel

1. Push one side of the inlet panel (pin A side) upward.
2. Disengage the panel from pin A.
3. Disengage the panel from the pin B and remove the panel.



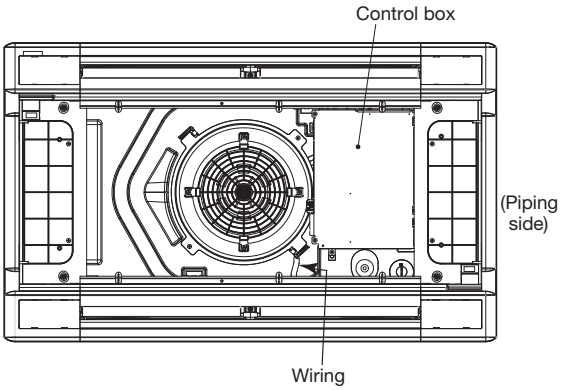
④ Removing the filters

• To remove a filter, turn the stopper as shown below while holding down the filter.



⑤ Orientation to attach the panel

1. Orientation to attach the panel on the unit body is specified.
   • Attach the panel such that the electrical wiring will become closer to the control box as shown at right.

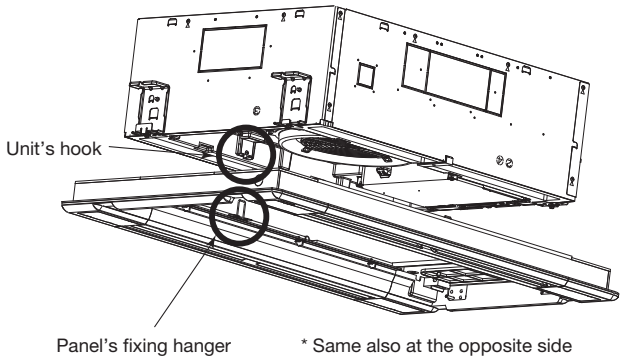


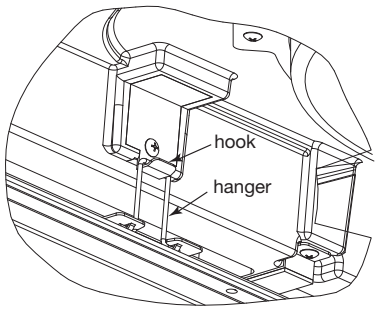
Caution

• If the panel is installed in a way other than as shown at right, air could leak because the air filter interferes with the control box,
It will also make impossible to connect electric wires.

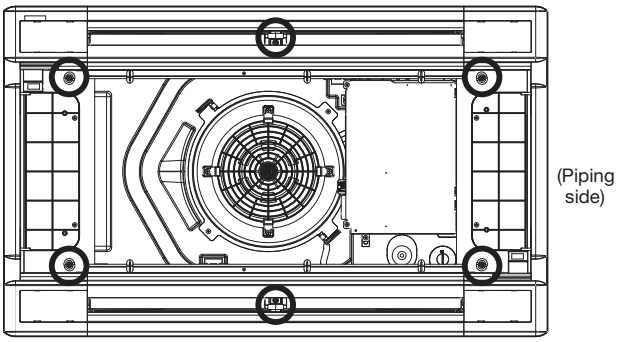
⑥ Attaching the panel

1. Temporary attaching
   - Lift up the hanger (2 places) on the panel for temporary support.
   - Hang the panel on the hook on the indoor unit.





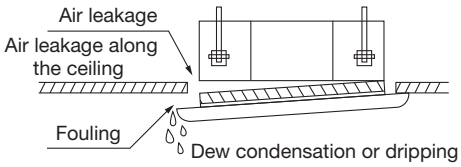
2. Fix the panel on the indoor unit
   - Fasten the panel on the indoor unit with the four bolts supplied with the panel.



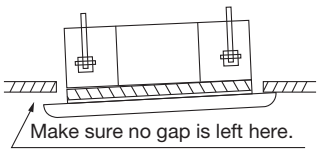
○ : Positions to fix the panel on the unit body

Caution

- Improperly tightened hanging bolts can cause the problems listed below, so make sure that you have tightened them securely.

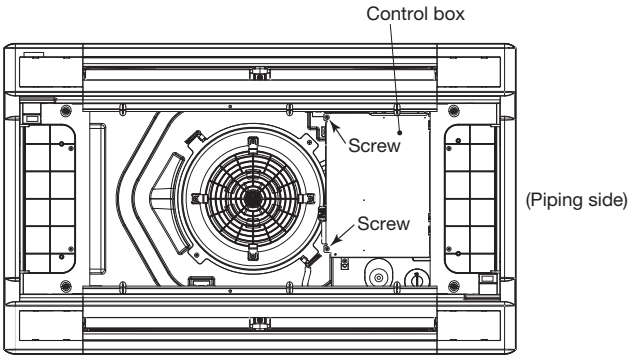


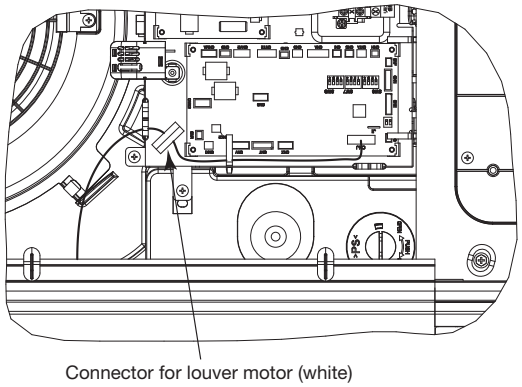
- If there is a gap remaining between the ceiling and the decorative panel even after the hanging bolts are tightened, adjust the installation level of the indoor unit again.



⑦ Electrical wiring

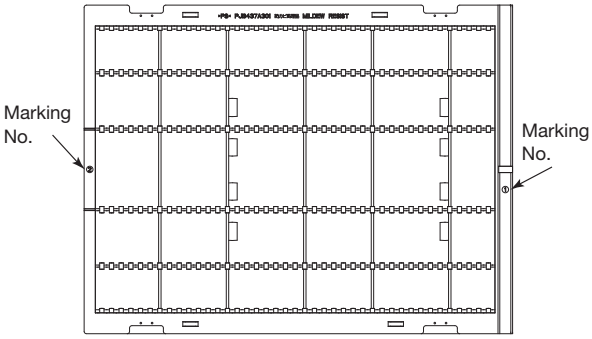
1. After removing two screws of control box, detach the cover of control box.
2. Connect the connector for louver motor (white 20P).
   • Hold the connector inside the control box.
3. Attach the cover of control box.





⑧ Installing the filter

1. Orientation is specified for installing the filters.
2. Install the filters in the reverse order of
   ④ Removing the filter .
3. Install each filter according to the No. marked on it.



⑨ Installing the service panel

1. Orientation is not specified to install the panel and the service panel.
2. Install the service panel in the reverse order of ③ Removing the service panel .

(d) Ceiling cassette-1way compact type (FDTQ)

PJC012D121

①Before installation

●Install correctly according to the installation manual.
●Confirm the following points:
○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

Accessory item

For refrigerant pipe			For drain pipe			
Pipe cover(big)	Pipe cover (small)	Strap	Pipe cover(big)	Pipe cover(small)	Drain hose	Hose clamp
1	1	4	1	1	1	1
For heat insulation of gas pipe	For heat insulation of liquid tube	For pipe cover fixing	For heat insulation of drain socket	For heat insulation of drain socket	For drain pipe connecting	For drain hose mounting

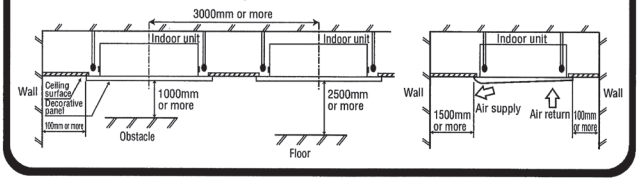
②Selection of installation location for the indoor unit

① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above. If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

②Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.
③If there are 2 units of wireless type, keep them away for more than 6m to avoid malfunction due to cross communication.
④ When plural indoor units are installed nearby, keep them away for more than 3m.

Space for installation and service

●Install the indoor unit at a height of more than 2.5m above the floor.



③Preparation before installation

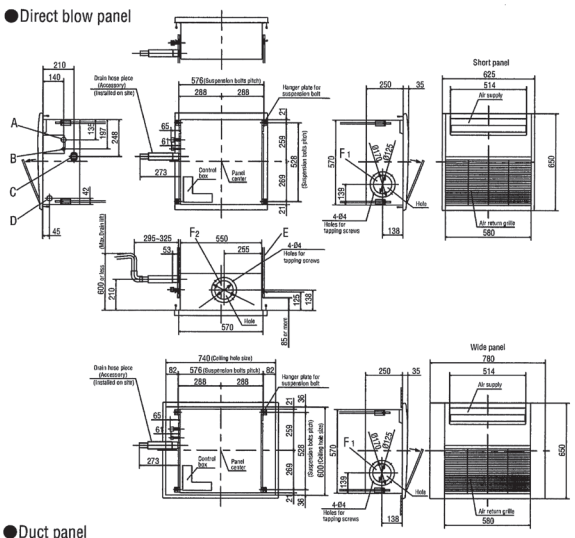
●If suspension bolt becomes longer, do reinforcement of earthquake resistant.
○For grid ceiling
When suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
○In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
●Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.

Ceiling opening, Suspension bolts pitch, Pipe position

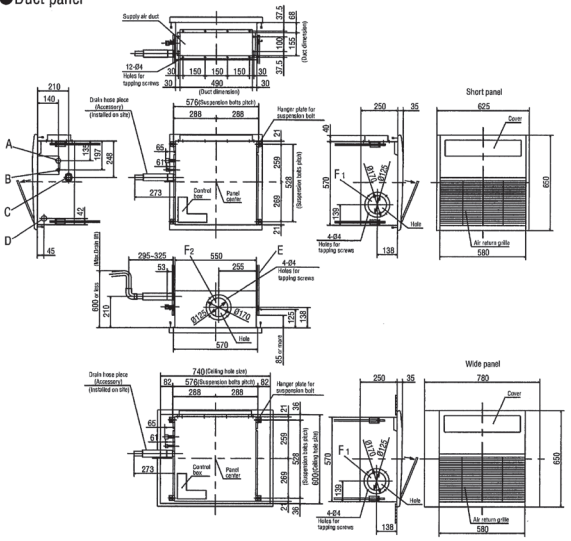
Symbol	Content
A	Gas piping
B	Liquid piping
C	Drain piping
D	Hole for wiring
E	Suspension bolts
F1,2	Outside air opening for ducting

③Preparation before installation (continued)

●Direct blow panel



●Duct panel



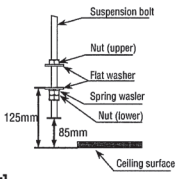
④Installation of indoor unit

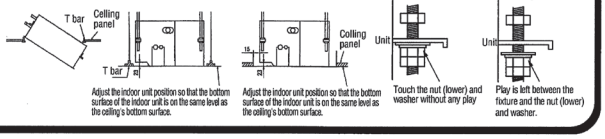
Work procedure

1. In case of installing on a ceiling other than 2 × 2 grid ceiling, prepare a ceiling hole with the size of 600mm × 740mm.
2. Arrange the suspension bolt at the right position (528mm × 576mm).
3. Make sure to use four suspension bolts and fix them so as to be able to hold 500N load.
4. Ensure that the lower end of the suspension bolt should be 85mm above the ceiling plane. Temporarily put the four lower nuts 125mm above the ceiling plane and the upper nuts on distant place from the lower nuts in order not to obstruct hanging the indoor unit or adjust the indoor unit position, and then hang the indoor unit.
5. Adjust the indoor unit position after hanging it so that the bottom surface of the indoor unit is on the same level as the ceiling (bottom surface of the T bar).
   The allowable gap between the bottom surface of the ceiling and that of the indoor unit is when the bottom surface of the indoor unit is no higher than 5mm.
   In order to adjust the indoor unit position, adjust the lower nuts while the upper nuts are put on distant place. Confirm there is no backlash between the hanger plate for suspension bolt and the lower nut and washer.

Caution

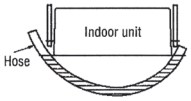
● Do not install the bottom surface of the inddor unit lower than the bottom surface of the ceiling.





④Installation of indoor unit (continued)

6. Make sure to install the indoor unit horizontally. Confirm the levelness of the indoor unit with a level gauge or transparent hose filled with water. Keep the height difference at both ends of the indoor unit within 3mm.
7. Tighten four upper nuts and fix the unit after height and levelness adjustment.



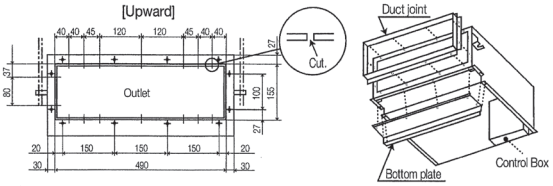
Caution

- Do not adjust the height by adjusting upper nuts. It will cause unexpected stress on the indoor unit and it will lead to deformation of the unit, failure of attaching a panel.
- Make sure to install the indoor unit horizontally and set the gap between the unit underside and the ceiling plane properly. Improper installation may cause air leakage, dew condensation, water leakage and noise.
- Make sure there is no gap between decoration panel and ceiling surface, and between decoration panel and the indoor unit. The gap may cause air leakage, dew condensation and water leakage.
- In case decorative panel is not installed at the same time, or ceiling material is installed after the unit installed, avoid dust coming into the indoor unit.

⑤The indoor unit change procedure for duct type

Prepare a duct panel.

(1) Drill hole for duct
① While referring to the dimensions, cut the insulation.
② Cut sheet metal for the hole, and drill hole.
③ Install the duct joint with screws attached to the panel.
④ Install the bottom plate with screws attached to the panel.



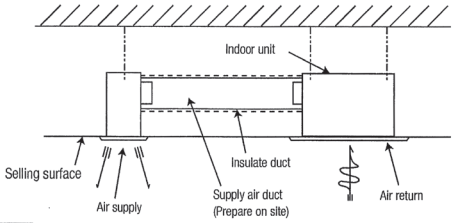
⑤ Set up as follows:

Invalidating the louver switch

Invalidate the louver switch by the remote controller.
[Method]
① Stop the operation of air conditioner. Press (SET) button and (MODE) button for 3 seconds at the same time.
② Select "FUNCTION ▼" (Remote Controller Function) and press (SET) button.
③ Select "LOUVER S/W" (Louver Switch Setting) of No. "07" and press (SET) button.
④ Select "INVALID" (Louver Switch Invalid) and press (SET) button.
⑤ Press ON/OFF button to exit.
As for details, refer to the installation manual of remote controller.

CATEGORY	NUMBER	FUNCTION	SETTING
FUNCTION ▼	07	LOUVER S/W	INVALID

(2) Duct work



Request

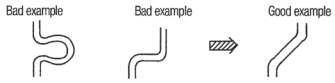
- Calculate air flow and the static pressure to select the duct's length and shape.

Caution

- Take care that the static pressure does not exceed 30 Pa.
  The indoor unit has condensation owing to the decrease of air flow, may cause wetting the ceiling and household goods.

Request

- The duct should be minimum bends. (Make the bend radius as large as possible.)
- Conduct the duct work before ceiling attachment.



(3) Connecting duct for outside air intake
① Outside air intake
- Use the intake, which is easier for work, either at the rear or the side.

② Duct connection
- Connect the 125 mm diameter duct, using the duct flange for 125mm diameter duct. (Clamp with band)
- Insulate the duct to prevent condensation.

⑥Refrigerant pipe

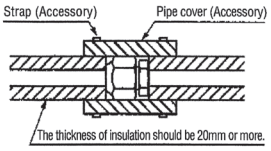
Caution

- Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  - Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  - Do not use thin-walled pipes.
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   (Gas may come out at this time, but it is not abnormal.)
   - Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - Make sure to insulate both gas pipes and liquid pipes completely.
     ※ Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 to 18
ϕ 9.52	34 to 42
ϕ 12.7	49 to 61
ϕ 15.88	68 to 82
ϕ 19.05	100 to 120



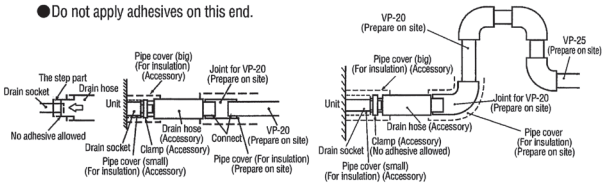
⑦Drain pipe

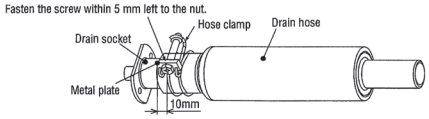
Caution

- Install the drain pipe according to the installation manual in order to drain properly.
  Imperfection in draining may cause flood indoors and wetting the household goods,etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

Work procedure

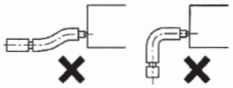
1. Make sure to insert the drain hose (the end mode of soft PVC) to the end of the step part of drain socket.
   Attach the hose clamp to the drain hose around 10mm from the end, and fasten the screw within 5mm left to the nut.
   - Do not apply adhesives on this end.



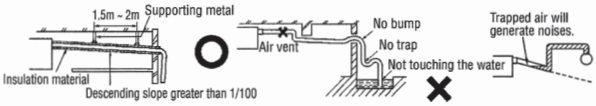


⑦Drain pipe (continued)

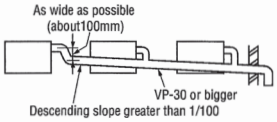
2. Prepare a joint for connecting VP-20 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-20 pipe (prepare on site).
   ※As for drain pipe, apply VP-20 made of rigid PVC which is on the market.
   - ●When drain pipe is set to rising in the nearest of the unit, use the VP-20 pipe. When drain pipe is set to after the horizontal pulling, use the VP-25 and above pipe.
   - ● Make sure that the adhesive will not get into the supplied drain hose. It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - ●The flexible drain hose is intended to absorb a small difference at installation of the unit or drain pipes. Intentional bending, expanding may cause the flexible hose broken and water leakage.



3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - ●Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - ●Do not set up air vent.



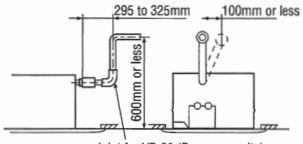
●When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.



4. Insulate the drain pipe.
   - ●Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

Drain up

- ● The position for drain pipe outlet can be raised up to 600mm above the ceiling. Use elbows for installation to avoid obstacles inside ceiling. If the horizontal drain pipe is too long before vertical pipe, the backflow of water will increase when the unit is stopped, and it may cause overflow of water from the drain pan on the indoor unit. In order to avoid overflow, keep the horizontal pipe length and offset of the pipe within the limit shown in the figure below.

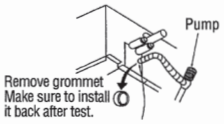


Joint for VP-20 (Prepare on site)

Drain test

- ● After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan. Check if the motor sound of drain pump is normal or not.
- ● Do drain test even if installation of heating season.
- ● For new building cases, make sure to complete the test before hanging the ceiling.

1. Remove the drain grommet, and pour water of about 1000cc into the drain pan in the indoor unit by pump so as not to get the electrical component wet.
2. Make sure that water is drained out properly and there is no water leakage from any joints of the drain pipe at the test.
   Confirm that the water is properly drained out while the drain motor is operating. At the drain socket (transparent), it is possible to check if the water is drained out properly.
3. Unplug the drain plug on the indoor unit to remove remaining water on the drain pan after the test, and re-plug it.
4. Make sure to install the grommet back to original place.
5. Insulate the drain pipe properly finally.



Insert the edge of water pump hose in the drain pan.

⑦Drain pipe (continued)

Drain pump operation

○In case electrical wiring work finished
Drain pump can be operated by remote controller (wired).
For the operation method, refer to Operation for drain pump in the installation manual for wiring work.

○In case electrical wiring work not finished
Drain pump will run continuously when the dip switch"SW7-1" on the indoor unit PCB is turned ON, the Connector CNB is disconnected, and then the power supply (220-240VAC on the terminal block Ⓛ and Ⓝ) is turned ON. Make sure to turn OFF "SW7-1" and reconnect the Connector CNB after the test.

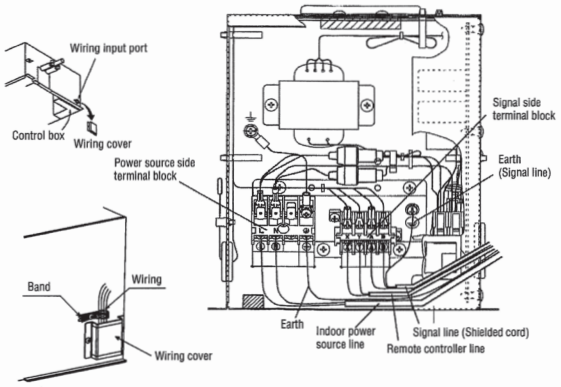
⑧Wiring-out position and wiring connection

- ● Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- ● Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- ● Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- ● Be sure to do D type earth work.
- ● For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (2 screws) and the wiring cover (2 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Take out the wiring to upper direction of wiring cover, and fix the wiring with Band.
4. Install the removed parts back to original place.

Caution

Make sure to install the wiring cover. Otherwise it may cause dew condensation into the control box.



⑨Panel installation

●Attach the panel on the indoor unit after electrical wiring work.
●Refer to attached manual for panel installation for details. (see next page)

⑩Check list after installation

●Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

PJC012D118

PANEL INSTALLATION MANUAL

(1) Parts Models : TQ-PSA-15W-E, TQ-PSB-15W-E

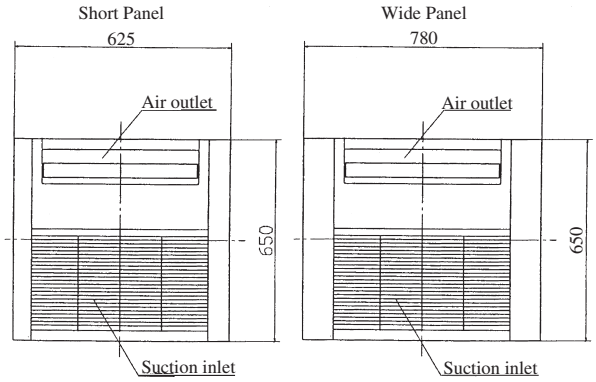
Please read this manual together with installation manual of indoor unit.

⚠ Warning

● **Please perform electrical work after cutting off main power.**
Otherwise, electrical shock or malfunction, etc. may occur.

Notice

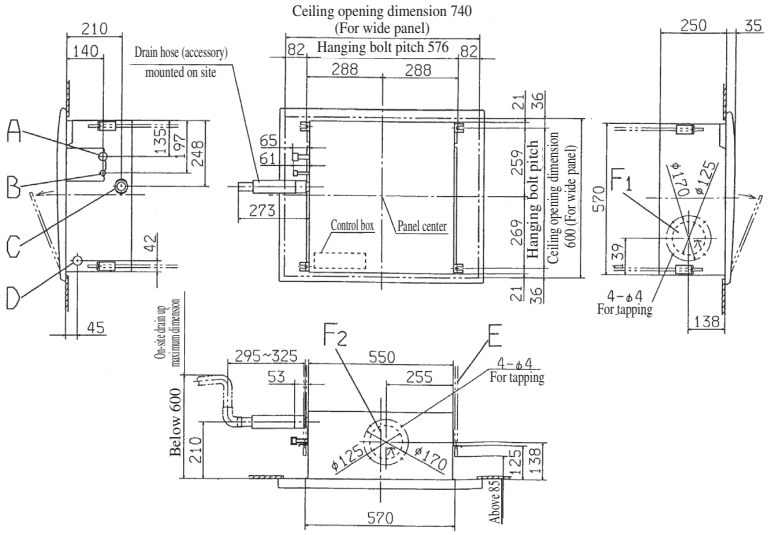
If the louver cannot be moved by remote control operation, cut off the main power for over 10 seconds after confirming the connection of connector, then turn on the power again.



1 Accessories

1	Air filter	1	
2	Hanging bolts	4	For mounting panel
3	Screws (M4 L=8mm)	2	For mounting chains

2 Confirm the mounting level of main unit



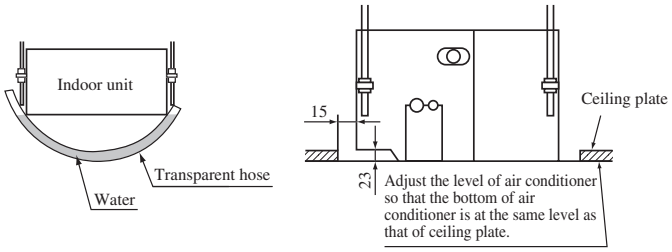
Marks	Description
A	Piping for refrigerant gas side
B	Piping for refrigerant liquid side
C	Drain piping
D	Power inlet
E	Hanging bolt
F1,2	OA inlet

● Confirm the mounting level of air conditioner and ceiling. Adjust the level of air conditioner so that the bottom of air conditioner is at the same level as that of ceiling plate (the T-bar).
The level differential tolerance between the bottom surface of ceiling and that of main unit is that air conditioner main unit cannot be higher than ceiling bottom surface for 5mm.

Caution

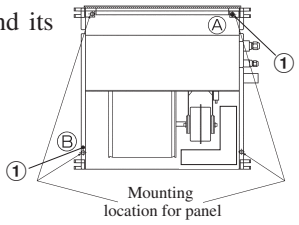
Do not set the main unit below the bottom surface of ceiling.

● Confirm the level of air conditioner.



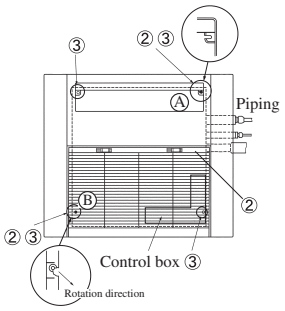
3 Mount the panel

① Attach 2 of 4 hanging bolts supplied with the panel on the indoor piping side and its diagonal position respectively, and tighten them gently for 5mm. (Ⓐ Ⓑ ● marks)

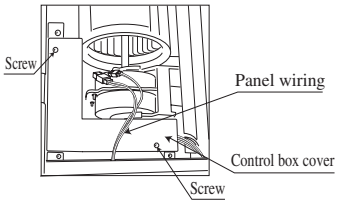


② Open the suction grille, hang the panel onto 2 bolts, and secure it temporarily.
When securing the panel temporarily, hang the panel onto Ⓐ side bolts as shown in the left figure, then hang onto Ⓑ side while turning it.

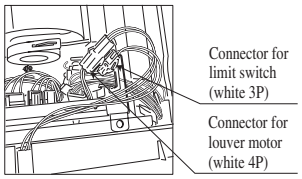
③ Tighten the temporarily secured hanging bolts and other 2 hanging bolts.



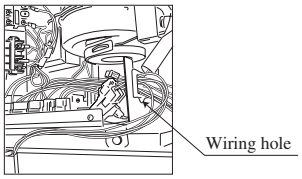
④ Remove 2 screws on the control box, and open the cover.



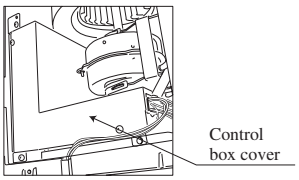
⑤ Connect the connector for louver motor (white 4P) and the connector for limit switch (white 3P).
The connector on the indoor unit side is in the control box.



⑥ After connecting the connectors, pass the wiring on the panel side through wiring hole. Hold the connector in the control box.



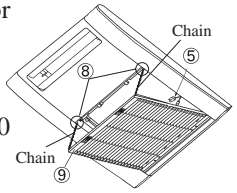
⑦ Close control box cover, and tighten 2 screws.



⑧ Mount the chain attached with suction grille on the panel using screw. The screws for mounting chain and hanging bolts are in the same bag.

⑨ Close suction grille, then work is completed.

⑩ If the louver cannot be moved by remote control operation, cut off the power for over 10 seconds after confirming the connection of connector, then turn on the power again.



(2) Parts Models : QR-PNA-14W-ER, QR-PNB-14W-ER

PJC012D102 ⚠i

Read with the installation instructions for the main body of the indoor unit.

⚠ Warning
●Do electric construction after turning off original power. It becomes the cause of an electric shock, trouble and operation defective.

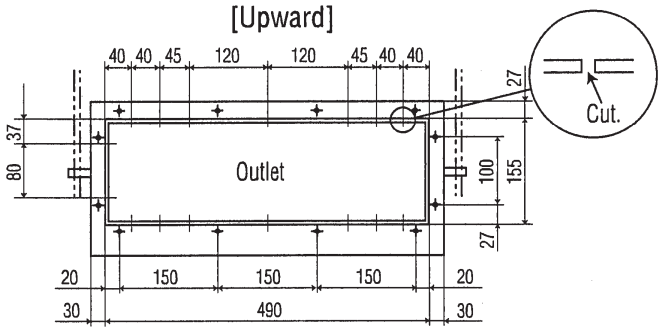
1. Accessories

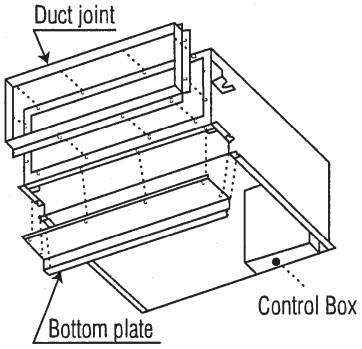
1	Air filter	1 pc.	
2	Blow outlet cover	1 pc.	
3	Bolt	4 pcs.	For panel installation
4	Screw (M4, L=8mm)	2 pcs.	For chain installation
5	Duct joint	1 pc.	
6	Bottom plete	1 pc.	
7	Screw (M4, L=8mm)	8 pcs.	For bottom plate installation
8	Screw (M4, L=8mm)	12 pcs.	For duct joint installation

2. Main body change procedure for duct type

(1) Drill hole for duct

① While referring to the dimensions, cut the insulation.
② Cut sheet metal for the hole, and drill hole.
③ Install the duct joint with screws attached to the panel.
④ Install the bottom plate with screws attached to the panel.





⑤ Please set up as follows:

Changing the fan tap

Change the fan tap to the high speed by the remote controller.

[Method]

① Stop the operation of air conditioner. Press (SET) button and (MODE) button for 3 seconds at the same time.
② Select "I/U FUNCTION ▲" (Indoor Unit Function) and press (SET) button.
③ Select "FAN SPEED SET" (Fan Speed Setting) of No."02" and press (SET) button.
④ Select "HIGH SPEED 1 ' (High Fan Speed 1) and press (SET) button.
⑤ Press ON/OFF button to exit.

As for details, refer to the installation manual of remote controller.

CATEGORY	NUMBER	FUNCTION	SETTING
I/U FUNCTION ▲	02	FAN SPEED SET	HIGH SPEED 1

Invalidating the louver switch

Invalidate the louver switch by the remote controller.

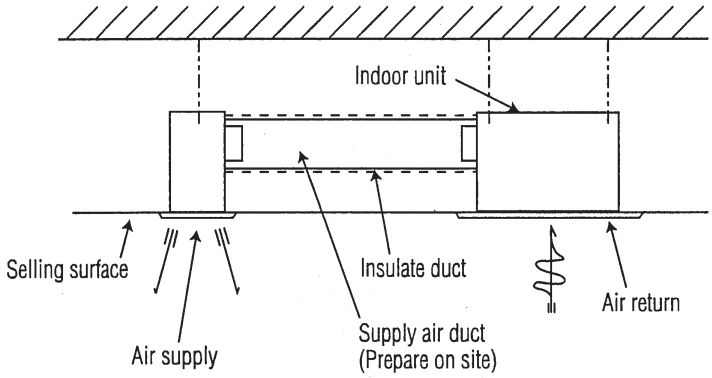
[Method]

① Stop the operation of air conditioner. Press (SET) button and (MODE) button for 3 seconds at the same time.
② Select " FUNCTION ▼ " (Remote Controller Function) and press (SET) button.
③ Select " LOUVER S/W " (Louver Switch Setting) of No. "07" and press (SET) button.
④ Select " INVALID " (Louver Switch Invalid) and press (SET) button.
⑤ Press ON/OFF button to exit.

As for details, refer to the installation manual of remote controller.

CATEGORY	NUMBER	FUNCTION	SETTING
FUNCTION ▼	07	LOUVER S/W	INVALID

(2)Duct work



Request

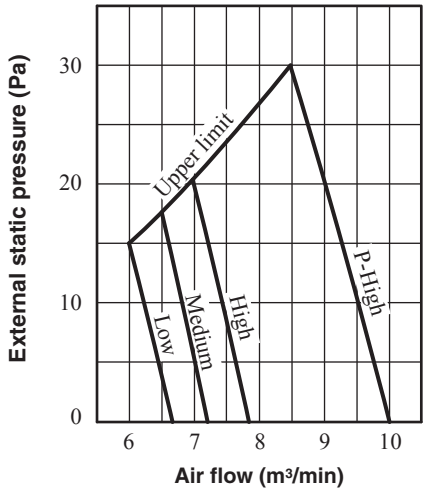
- Calculate air flow and the external static pressure to select the duct's length and shape.

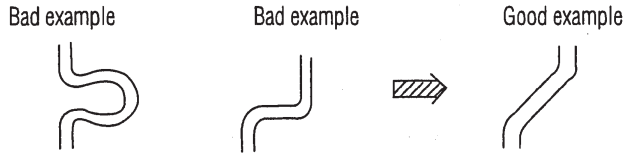
Caution

- Take care that the external static pressure does not exceed 30 Pa.
  The indoor unit has condensation owing to the decrease in air flow, may cause wetting the ceiling and household goods to become wet.

Request

- The duct should be minimum bends.
  (Make the bend redius as large as possible.)
- Conduct the duct work before ceiling attachment.

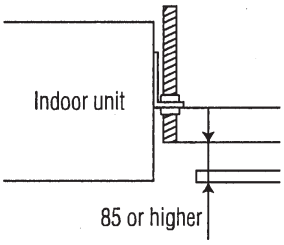




3. Installation of indoor unit

Work procedure

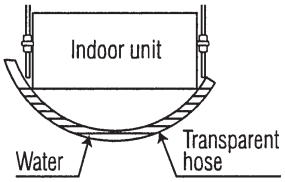
1. In case of installing on a ceiling other than 2 x 2 grid ceiling, prepare a ceiling hole with the size of 600mm x 740mm.
2. Arrange the suspension bolt at the right position (528mm x 576mm).
3. Make sure to use four suspension bolts and fix them so as to be able to hold 500N load.
4. Ensure that the lower end of the suspension bolt should be 85mm above the ceiling plane. Temporarily put the four lower nuts 125mm above the ceiling plane and the upper nuts on distant place from the lower nuts in order not to obstruct hanging the indoor unit or adjust the indoor unit position, and then hang the indoor unit.
5. Adjust the indoor unit position after hanging it so that the bottom surface of the indoor unit is on the same level as the ceiling (bottom surface of the T bar).The allowable gap between the bottom surface of the ceiling and that of the indoor unit is when the bottom surface of the indoor unit is no higher than 5mm.In order to adjust the indoor unit position, adjust the lower nuts while the upper nuts are put on distant place. Confirm there is no backlash between the hanger plate for suspension bolt and the lower nut and washer.

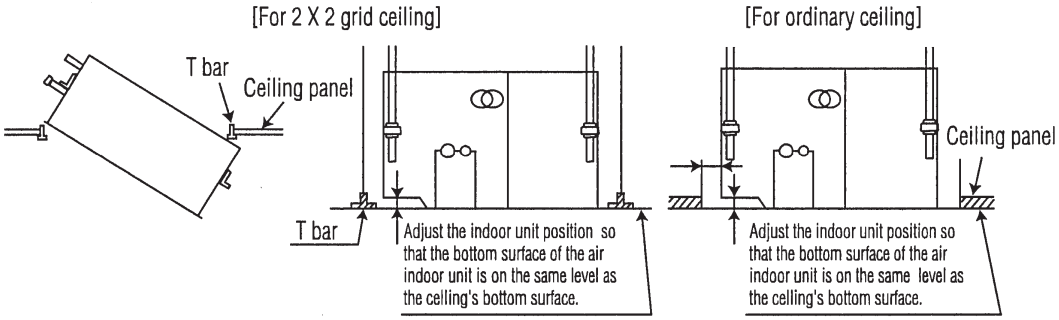


Caution

● Do not install the bottom surface of the indoor unit lower than the bottom surface of the ceiling.

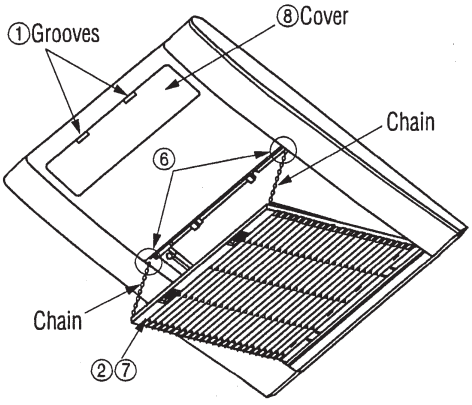
6. Make sure to install the indoor unit horizontally. Confirm the levelness of the indoor unit with a level gauge or transparent hose filled with water. Keep the height difference at both ends of the indoor unit within 3mm.
7. Tighten four upper nuts and fix the unit after height and levelness adjustment.

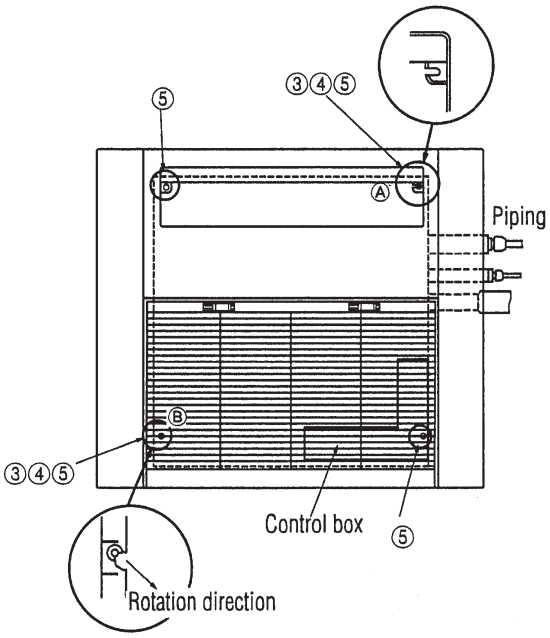




4. Panel installation

① By inserting a flat-blade screwdriver into grooves of the cover, remove the cover from the panel.
② Open the air return grill.
③ Screw in two of the four hanging bolts attached to the panel ,
on the piping side (Ⓐ) and at its opposite angle (Ⓑ), by a little less than 5 mm (•marks.)
④ Hang the panel on two bolts, and install it temporarily.
When install the panel temporarily, hang the panel to bolt Ⓐ , then hang to bolt Ⓑ while rotating the panel.
(Take care so that the indoor unit does not rotate.)
⑤ Tighten the twobolts which were used to install the panel temporaily and the other two bolts.
⑥ Use the suppliedscrews to tighten chains to the panel. The screws for install chains are contained in the same bag as bolts.
⑦ Close the air return grill. (Check that chains are securely installed.)
⑧ Install the cover back to original place.
Check that the cover is securely fitted and does not fall.





(e) Ceiling cassette-1way type (FDTS)

PJC012D016

① Before installation

- Install correctly according to the installation manual.
- Confirm the following points:
  - ○ Unit type/Power supply specification ○ Pipes/Wires/Small parts ○ Accessory items

Accessory item

For main unit suspension	For refrigerant			For panel	For drain pipe			
Paper pattern	Pipe cover (big)	Pipe cover (small)	Strap	Round machine screw (M5 x 35)	Pipe cover (big)	Pipe cover (small)	Drain hose	Hose clamp
2 pcs (One for left and one for right)	1 pcs For heat insulation of gas pipe	1 pcs. For heat insulation of liquid pipe	4 pcs. For pipe cover fixing	7 pcs. Fixing of direct air flow panel	1 pcs. For heat insulation of drain socket	1 pcs. For heat insulation of drain socket	1 pcs. For drain pipe connecting	1 pcs. For drain hose mounting

② Selection of installation location for the indoor unit

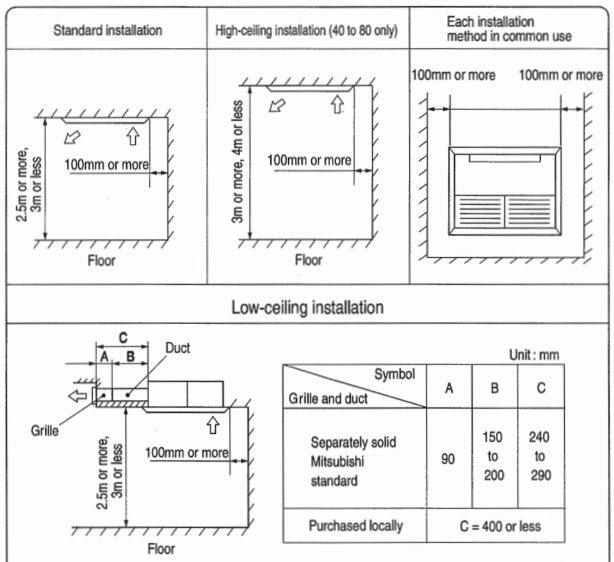
① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
  If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
- (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

③ If there are 2 units of wireless type, keep them away for more than 6m to avoid malfunction due to cross communication.

④ When plural indoor units are installed nearby, keep them away for more than 4 to 5m.

Space for installation and service

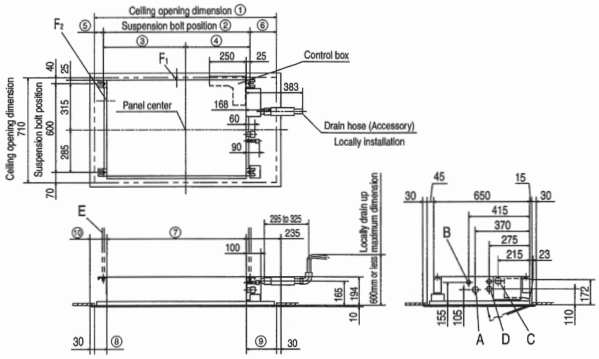


Symbol / Grille and duct	A	B	C
Separately solid Mitsubishi standard	90	150 to 200	240 to 290
Purchased locally	C = 400 or less		

③ Preparation before installation

- If suspension bolt becomes longer, do reinforcement of earthquake resistant.
  - ○ For grid ceiling
    When the suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
  - ○ In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
    When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
- Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.

③ Preparation before installation (continued)



A	Refrigerant gas piping
B	Refrigerant liquid piping
C	Drain piping
D	Power supply inlet
E	Suspension bolt
$F_{1,2}$	Outlet air hole

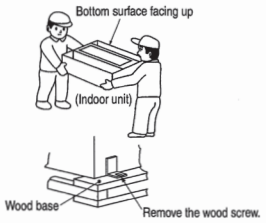
Unit: mm

Mull	Type 45	Type 71
①	1230	1440
②	990	1250
③	555	675
④	435	575
⑤	60	45
⑥	180	145
⑦	940	1200
⑧	85	70
⑨	205	170
⑩	115	100

④ Installation of indoor unit

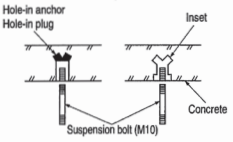
Delivery

- ○ Deliver the unit as close as possible to the installation location without unpacking it.
- ○ If unpacked and delivery can not be avoided, use a nylon sling or a rope with pads placed where the rope contacts the unit so it is not scratched.
- ○ To place the unit on the floor after unpacking, be sure that the unit bottom surface is facing up. (To avoid damage to the unit bottom surface as it is made of a styrene foam).
- ○ The unit and wood are fixed with two wood screws. When unpacking them, remove the two wood screws.



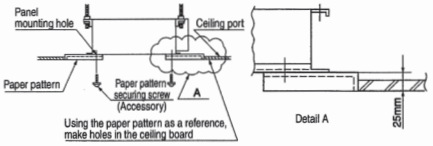
Securing suspension bolts

Tighten the bolts firmly according to the method shown in the drawing or other suitable methods.

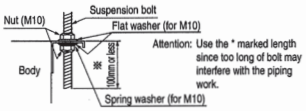


Installation

○ Ceiling hole drilling procefure



○ Unit mounting procedure

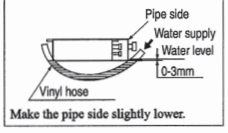


If the holes on the unit and the ceiling do not match, use a mounting bracket with oval hole to adjust the position.

<Horizontal adjustment>

Use a level or the following procedure to adjust horizontally.

○ Adjust so that the bottom surface of the unit and the water level is as shown in the below drawing.



⑤ Refrigerant pipe

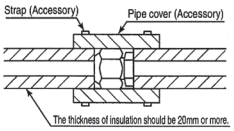
Caution

- Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  - Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  - Do not use thin-walled pipes.
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into the pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them. (Gas may come out at this time, but it is not abnormal.)
   - Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※ Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※ Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - Make sure to insulate both gas pipes and liquid pipes completely.
   ※ Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 to 18
ϕ 9.52	34 to 42
ϕ 12.7	49 to 61
ϕ 15.88	68 to 82
ϕ 19.05	100 to 120



⑥ Drain pipe

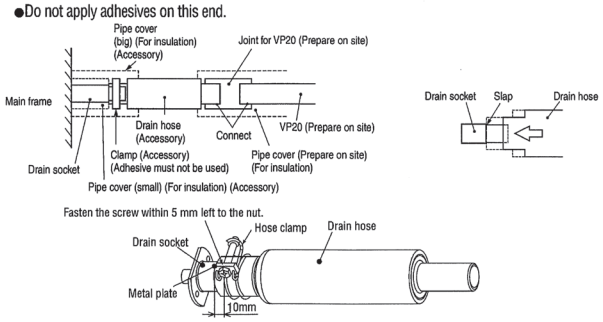
Caution

- Install the drain pipe according to the installation manual in order to drain properly.
  Imperfection in draining may cause flood indoors and wetting the household goods etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

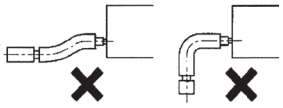
⑥ Drain pipe (continued)

Work procedure

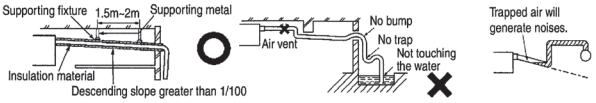
1. Make sure to insert the drain hose (the end mode of soft PVC) to the end of the step part of drain socket. Attach the hose clamp to the drain hose around 10mm from the end, and fasten the screw within 5mm left to the nut.
   ●Do not apply adhesives on this end.



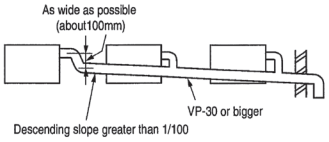
2. Prepare a joint for connecting VP-20 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-20 pipe (prepare on site).
   ※ As for drain pipe, apply VP-20 made of rigid PVC which is on the market.
   - Make sure that the adhesive will not get into the supplied drain hose.
     It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - The flexible drain hose is intended to absorb a small difference at installation of the unit or drain pipes. Intentional bending, expanding may cause the flexible hose broken and water leakage.



3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - Do not set up air vent.



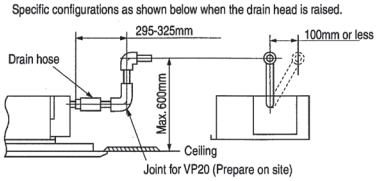
   - When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.



4. Insulate the drain pipe.
   - Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※ After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

Drain up

- The position for drain pipe outlet can be raised up to 600mm above the ceiling. Use elbows for installation to avoid obstacles inside ceiling. If the horizontal drain pipe is too long before vertical pipe, the backflow of water will increase when the unit is stopped, and it may cause overflow of water from the drain pan on the indoor unit. In order to avoid overflow, keep the horizontal pipe length and offset of the pipe within the limit shown in the figure below.



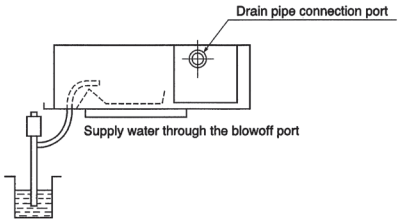
All piping work except above piping are performed in a similar normal drain piping.

⑥ Drain pipe (continued)

Drain test

- After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan. Check if the motor sound of drain pump is normal or not.
- Do drain test even if installation of heating season.
- For new building cases, make sure to complete the test before hanging the ceiling.

1. Pour water of about 1000cc into the drain pan in the indoor unit by pump so as not to get the electrical component wet.
2. Make sure that water is drained out properly and there is no water leakage from any joints of the drain pipe at the test.
   Confirm that the water is properly drained out while the drain motor is operating. At the drain socket (transparent), it is possible to check if the water is drained out properly.
3. Unplug the drain plug on the indoor unit to remove remaining water on the drain pan after the test, and re-plug it. And insulate the drain pipe properly finally.



Drain pump operation

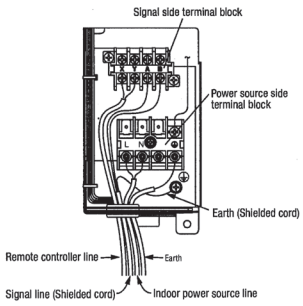
○ In case electrical wiring work finished
Drain pump can be operated by remote controller (wired).
For the operation method, refer to Operation for drain pump in the installation manual for wiring work.

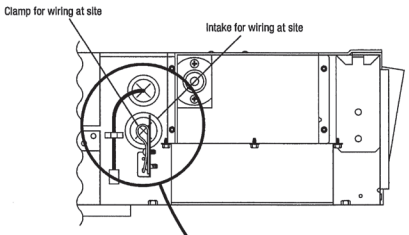
○ In case electrical wiring work not finished
Drain pump will run continuously when the dip switch"SW7-1" on the indoor unit PCB is turned ON, the Connector CNB is disconnected, and then the power supply (230VAC on the terminal block ① and ②) is turned ON.
Make sure to turn OFF "SW7-1" and reconnect the Connector CNB after the test.

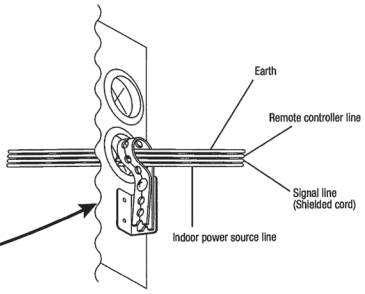
⑦ Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country. Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (2 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.



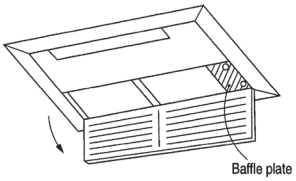




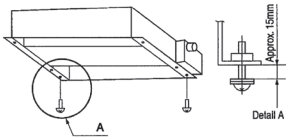
⑧ Panel installation

- Attach the panel on the indoor unit after electrical wiring work.
- Refer to attached manual for panel installation for details.

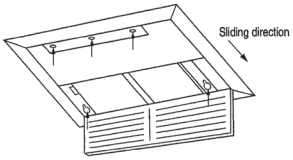
① Open the grille and remove the baffle plate. (Loosing the two screws.)



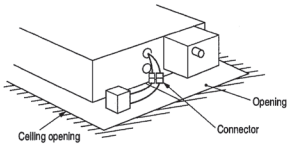
② Screw the two installation screws to the indoor unit.



③ Hook the panel the two screws (-②), and slide the panel approximately 10mm along the allow in following figure. Screw left five installation screw to the indoor unit.



④ Connect the connectors of louver motor and limit switch using "opening" space.



⑤ Return the baffle plate at its original position.

⑥ Close the grille.

Confirm the grille fixed with a hook securely.
* The grille may take the liberty to open if grille is not fixed securely.

⑨ Check list after installation

- Check the following items after all installation work completed.

Check if:	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

PJD012D052A

(f) Duct connected High static pressure type (FDU)

(1) Models 71～140

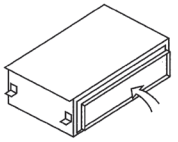
○This model is middle static ducted type air conditioning unit. Therefore, do not use this model for direct blow type air conditioning unit.

①Before installation

●Install correctly according to the installation manual.
●Confirm the following points:
○Unit type/Power supply specification
○Pipes/Wires/Small parts
○Accessory items

Accessory item

For refrigerant pipe		
Pipe cover(big)	Pipe cover (small)	Strap
1	1	4
For heat insulation of gas pipe	For heat insulation of liquid tube	For pipe cover fixing



Accessory parts are stored inside this suction side.

For drain pipe			
Pipe cover(big)	Pipe cover(small)	Drain hose	Hose clamp
1	1	1	1
For heat insulation of drain socket	For heat insulation of drain socket	For drain pipe connecting	For drain hose mounting

②Selection of installation location for the indoor unit

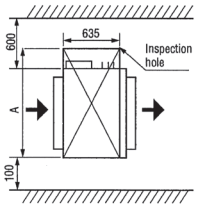
① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
  If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

②Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

Space for installation and service

●Make installation altitude over 2.5m.
(Indoor Unit)

Installation Space



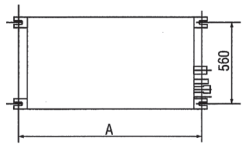
UNIT: mm

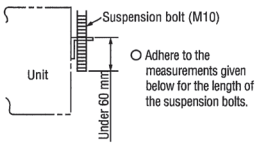
Multi type	71	90, 112, 140
Single type	71	100, 125, 140
A	1200	1720

③Preparation before installation

●If suspension bolt becomes longer, do reinforcement of earthquake resistant.
○For grid ceiling
When the suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
○In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
●Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.

Suspension Bolt Location



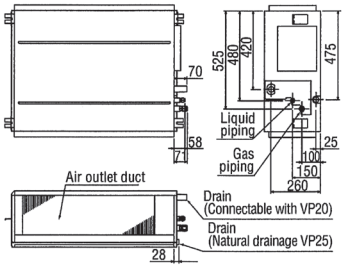


UNIT: mm

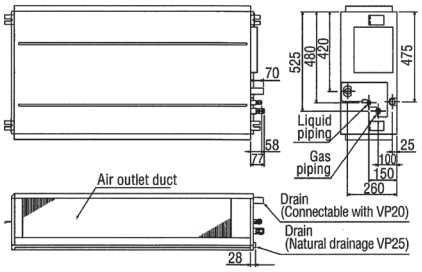
Multi type	71	90, 112, 140
Single type	71	100, 125, 140
A	986	1406

Pipe locations UNIT: mm

Multi type	71
Single type	71



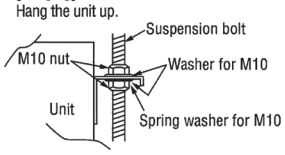
Multi type	90, 112, 140
Single type	100, 125, 140



④Installation of indoor unit

Installation

[Hanging]
Hang the unit up.

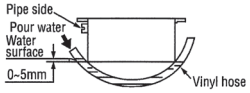


If the measurements between the unit and the ceiling hole do not match upon installation, it may be adjusted with the long holed installation tool.

Adjustment for horizontality

○Either use a level vial, or adjust the level according to the method below.

●Adjust so the bottom side of the unit will be leveled with the water surface as illustrated below.



Let the pipe side be slightly sloped.

○If the unit is not leveled, it may cause malfunctions or inoperation of the float switch.

⑤Duck Work

A corrugated board (for preventing sputtering) is attached to the main body of the air conditioner (on the outlet port). Do not remove it until connecting the duct.

①●The air conditioner main unit does not have an air filter. Incorporate it into the easy-to-clean suction grille.

②Blowout duct

●The ducts should be at their minimum lengths.

●Keep the bends to a minimum. (The bending radius should be as large as possible.)

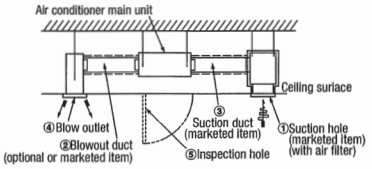
●Conduct the duct work before ceiling attachment.

③Suction duct

●Make sure to insulate the duct to prevent dewing on it.

④Location and form of blow outlet should be selected so that air from the outlet will be distributed all over the room, and equipped with a device to control air volume.

⑤Make sure provide an inspection hole on the ceiling. It is indispensable to service elecric equipment, motor, functional components and cleaning of heat exchanger.



Bad example of duct work

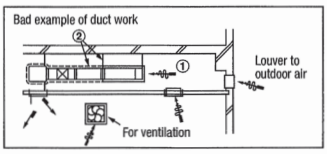
①If a duct is not provided at the suction side but it is substituted with the space over the ceiling, humidity in the space will increase by the influence of capacity of ventilation fan, strength of wind blowing against the out door air louver, weather (rainy day) and others.

a)Moisture in air is likely to condense over the external plates of the unit and to drip on the ceiling. Unit should be operated under the conditions as listed in the above table and within the limitation of wind volume. When the building is a concrete structure, especially immediately after the construction, humidity tends to rise even if the space over the ceiling is not substituted in place of a duct. In such occasion, it is necessary to insulate the entire unit with glass wool (25mm). (Use a wire net or equivalent to hold the glass wool in place.)

b)It may run out the allowable limit of unit operation (Example: When outdoor air temperature is 35°C DB, suction air temperature is 27°C WB) and it could result in such troubles as compressor overload, etc..

c)There is a possibility that the blow air volume may exceed the allowable range of operation due to the capacity of ventilation fan or strength of wind blowing against external air louver so that drainage from be heat exchanger may fall to reach the drain pan but leak outside (Example: drip on to the ceiling) with consequential water leakage in the room.

②If vibration damping is not conducted between the unit and the duct, and between the unit and the slab, vibration will be transmitted to the duct and vibration noise may occur. Also, vibration may be transmitted from the unit to the slab. Vibration damping must be performed.



⑥Refrigerant pipe

Caution

●Use the new refrigerant pipe.
When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
・Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
・Do not use thin-walled pipes.

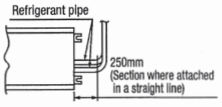
●Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation. In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.

●Do not use any refrigerant other than R410A.
Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.

●Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.

●Use special tools for R410 refrigerant.

Piping work



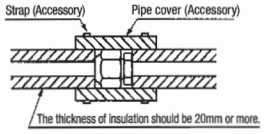
When conducting piping work, make sure to allow the pipes to be aligned in a straight line for at least 250 mm, as shown in the left illustration. (This is necessary for the drain pump to function)

⑥Refrigerant pipe (continued)

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
(Gas may come out at this time, but it is not abnormal.)
● Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
※Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
※Do a flare connection as follows:
● Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
● When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
●Make sure to insulate both gas pipes and liquid pipes completely.
※Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 to 18
ϕ 9.52	34 to 42
ϕ 12.7	49 to 61
ϕ 15.88	68 to 82
ϕ 19.05	100 to 120



⑦Drain pipe

Caution

● Install the drain pipe according to the installation manual in order to drain properly.
Imperfection in draining may cause flood indoors and wetting the household goods, etc.

● Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.

● Connect the pipe securely to avoid water leakage from the joint.

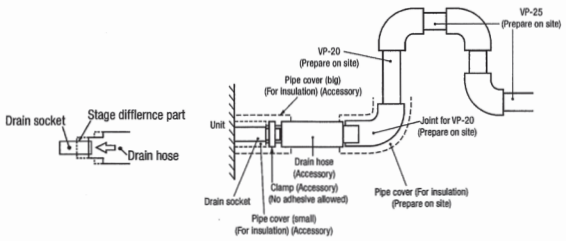
● Insulate the pipe properly to avoid condensation drop.

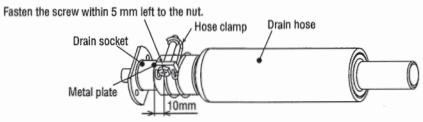
● Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.

● Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

Work procedure

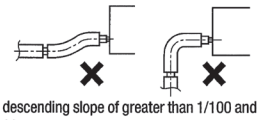
1. Make sure to insert the drain hose (the end mode of soft PVC) to the end of the step part of drain socket.
Attach the hose clamp to the drain hose around 10mm from the end, and fasten the screw within 5mm left to the nut.
●Do not apply adhesives on this end.
●Do not use acetone-based adhesives to connect to the drain socket.



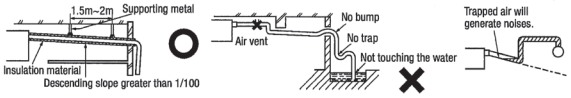


⑦Drain pipe (continued)

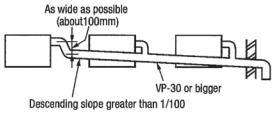
2. Prepare a joint for connecting VP-20 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-20 pipe (prepare on site).
   ※As for drain pipe, apply VP-20 made of rigid PVC which is on the market.
   - When installing drain pipe, use VP-20 for the pipe goes up the closest to the unit, and VP-25 or higher number product for farther pipes.
   - Make sure that the adhesive will not get into the supplied drain hose.
     It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - The flexible drain hose is intended to absorb a small difference at installation of the unit or drain pipes. Intentional bending, expanding may cause the flexible hose broken and water leakage.



3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - Do not set up air vent.



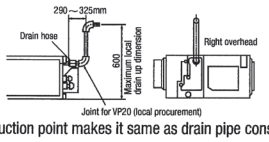
   - When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.



4. Insulate the drain pipe.
   - Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※ After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

Drain up

- The position for drain pipe outlet can be raised up to 600mm above the ceiling. Use elbows for installation to avoid obstacles inside ceiling. If the horizontal drain pipe is too long before vertical pipe, the backflow of water will increase when the unit is stopped, and it may cause overflow of water from the drain pan on the indoor unit. In order to avoid overflow, keep the horizontal pipe length and offset of the pipe within the limit shown in the figure below.



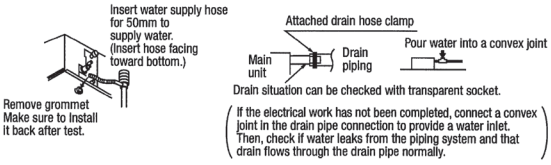
Otherwise, the construction point makes it same as drain pipe construction.

Drain test

1. Conduct a drain test after completion of the electrical work.
2. During the trail, make sure that drain flows properly through the piping and that no water leaks from connections.
3. In case of a new building, conduct the test before it is furnished with the ceiling.
4. Be sure to conduct this test even when the unit is installed in the heating season.

Procedures

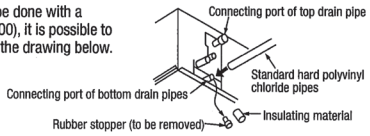
1. Supply about 1000 cc of water to the unit through the air outlet by using a feed water pump.
2. Check the drain while cooling operation.



(If the electrical work has not been completed, connect a convex joint in the drain pipe connection to provide a water inlet. Then, check if water leaks from the piping system and that drain flows through the drain pipe normally.)

Outline of bottom drain piping work

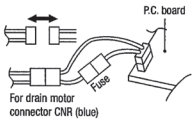
- If the bottom drain piping can be done with a descending gradient (1/50-1/100), it is possible to connect the pipes as shown in the drawing below.



Uncoupling the drain motor connector

- Uncouple the connector CNR for the drain motor as illustrated in the drawing on the right.

(Note: If the unit is run with the connector coupled, drain water will be discharged from the upper drain pipe joint, causing a water leak.)



⑦Drain pipe (continued)

Drain pump operation

○In case electrical wiring work finished

Drain pump can be operated by remote controller (wired).
For the operation method, refer to Operation for drain pump in the installation manual for wiring work.

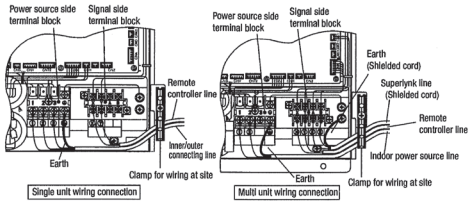
○In case electrical wiring work not finished

Drain pump will run continuously when the dip switch"SW7-1" on the indoor unit PCB is turned ON, the Connector CNB is disconnected, and then the power supply (230VAC on the terminal block ① and ②) is turned ON. Make sure to turn OFF "SW7-1" and reconnect the Connector CNB after the test.

⑧Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (2 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.



⑨Check list after installation

- Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

⑩Tap selection on blower unit (when the high peformance filter is used)

The fan tap's factory setting is "Standard." If you want to change it to the high static-pressure setting, you can avail yourself of the following two methods. Use one of the two methods to set the fan tap.
Make sure to perform the functional setting with remote controller.
Select [I/U FUNCTION] in the functional setting mode, and change the function number [02]
[FAN SPEED SET]
For operation method, refer to the user's manual of the remote controller.

Function number A	Functional content B	Setting content C	Default setting
02	Fan Speed Set	Standard	○
		High Speed 1	

UNIT: Pa

Static Pressure	Standard Tap	60
	High Speed 1 Tap	130

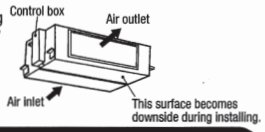
⚠ CAUTION

If the external static pressure is 60Pa or less, do not set the fan speed to High speed 1. If Hign speed 1 setting Is done, air outlet speed from indoor unit will increase and waterdrop may be blown out and wet the ceiling or the fumiture.

(2) Models 224, 280

PJD012D053

○This model is high static ducted type air conditioning unit. Therefore, do not use this model for direct blow type air conditioning unit.



①Before installation

●Install correctly according to the installation manual.

●Confirm the following points:

○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

Accessory item

Hose clamp
1
For drain hose mounting

Accessories storage position (during packing)

②Selection of installation location for the indoor unit

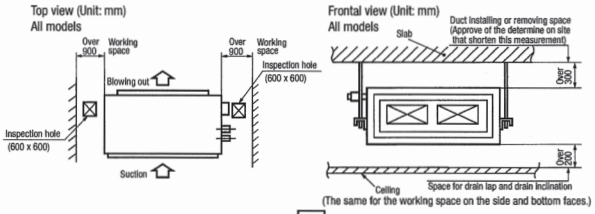
① Select the suitable areas to install the unit under approval of the user.

- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.
  (This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
  If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.)
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

②Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

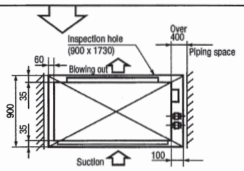
Space for installation and service

●Make installation altitude over 2.5m.



If the conditions shown in the left hand side cannot be met, the following method is also possible.

Top view (Unit: mm)
All models
The frontal view is as the left hand illustration.



Air Conditions and Airflow Limits

Single	Multi	Airflow m³/min			Temperature of the blow-in air of the indoor unit		Air temperature surrounding the indoor unit
		Rating	Lower limit	Upper limit	Cooler	Heater	
200	224	51	38	65	Upper limit 26°C WB When outdoor temperature is 35°C Lower limit 16°C WB When outdoor temperature is 15°C	Upper limit 27°C DB Outdoor temperature is below 20°C WB Lower limit 10°C DB Outdoor temperature is above 10°C WB	Dew point temperature below 28°C
250	280	68	51	87	Refer to the technical document published by our company for more details.		

③Preparation before installation

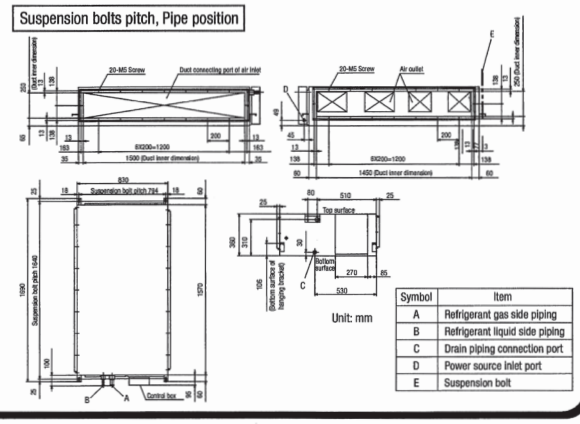
●If suspension bolt becomes longer, do reinforcement of earthquake resistant.

○For grid ceiling
When the suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.

○In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.

●Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.

Suspension bolts pitch, Pipe position



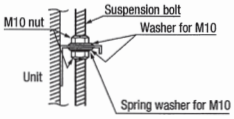
Symbol	Item
A	Refrigerant gas side piping
B	Refrigerant liquid side piping
C	Drain piping connection port
D	Power source inlet port
E	Suspension bolt

④Installation of indoor unit

Installation

[Hanging]

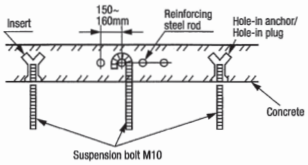
○Hang the unit up.



○If the measurements between the unit and the ceiling hole do not match upon installation, it may be adjusted with the long holed installation tool.

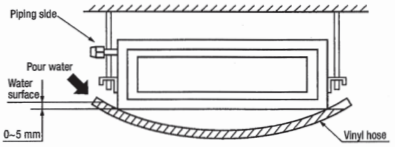
[Method for Fixing the Suspension Bolt]

○Secure the suspension bolt with one of the methods shown in the following illustration.



Horizontal Adjustment

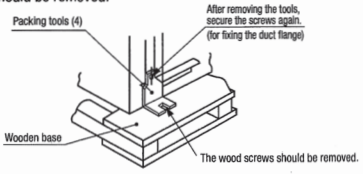
○Use a level vial or adjust the level as shown in the following illustration.



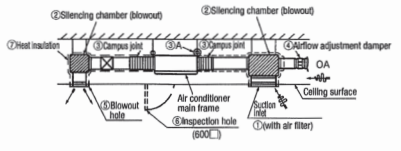
Set the pipe side slightly lower than the other side.

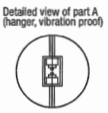
○If it is not horizontal, the float switch malfunctions or does not function.

(Packing Tools)
The packing tools (4) are not necessary.
Packing tools (4) should be removed.



⑤Duck work





①Air filters are not provided with the main frame of the air conditioner. Assemble on to the suction grill which can be cleaned easily.

②Fit the silencing chamber according to the noise level tolerance inside the installation room. If it is particularly necessary to keep the noise level low, further silencing devices is required (always install them in offices, and conference rooms).

③In order to keep the vibration from transferring to the ceiling and the slab, use a campus joint for the duct and a vibration proof rubber for the main frame.

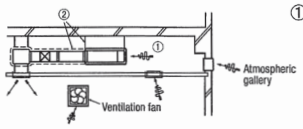
④Attach an airflow adjustment damper to the connection point of the OA duct so airflow adjustment may be possible after installation.

⑤For the blowing outlet, select a shape and location where air may circulate, and a structure where airflow may be controlled.

⑥An inspection hole must be made in the ceiling surface. This is necessary for the repair and maintenance of the electrical parts, motor and functional parts, as well as for cleaning the heat exchanger.

⑦Insulation must be performed for the duct to prevent water condensation on the duct. The thickness of the insulating material is 65 mm (JISA 9501).

A bad example of duct work



①If the suction duct is not used, and the attic is used as a suction duct, the attic will become extremely humid depending on the performance of the ventilation fan, the strength of wind blowing to the atmospheric gallery and the climate (e.g., rainy days).

a. Condensation occurs on the outer board of the unit and water may fall on the ceiling. Use the unit according to the air conditions in the above table and airflow limits. In concrete constructions, high humidity can occur in new constructions even when the attic is not used as a suction duct. In this case, insulate the entire unit with glass wool (25 mm) (use a metal net to hold the wool).

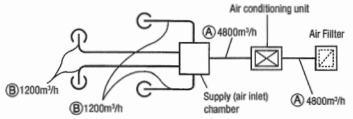
b. Operation of the unit may exceed its limits (for example, when the temperature of the suction air is 24 °C with the outdoor temperature of 35 °C DB). In such a cases, problems such as an overload of the compressor may occur.

c. The volume of the air blowing in may increase due to the performance of the ventilation fan and the wind strength blowing against the atmospheric gallery. The air usage limit may be exceeded, and the water from the heat exchanger will not be able to drain to the drain pan. Instead it will drain outside and cause a water leak (to the ceiling).

②If vibration damping is not conducted between the unit and the duct, and between the unit and the slab, vibration will be transmitted to the duct and vibration noise may occur. Also, vibration may be transmitted from the unit to the slab. Vibration damping must be performed.

Simple setting method for duct measurement

The following shows the method when duct is used at one side of 250mm as 1Pa/m by frictional resistance per the unit length of the duct, and in case of 250 type (single unit)/280 type (multi unit), 60Hz rating airflow for a example.



	Airflow	Duct (mm x mm)
Ⓐ	4800m³/h (80m³/min)	250 x 950
Ⓑ	1200m³/h (20m³/min)	250 x 310

○Calculation of duct resistance
(Simplified calculate as following table)

Straight piping port	Calculate at 1Pa per 1m length to 1Pa/m
Bending port	Calculate at 3 to 4 m straight pipe per 1 piece of binding pipe
Air outlet port	Calculate at 25Pa
Chamber	Calculate at 50Pa per 1 piece
Air inlet grille (with filter)	Calculate at 40Pa per 1 piece

[Simplified duct dimension selection table] 1Pa/m

Airflow \ Duct type / Item	Quadrangle duct Dimensions
m³/h (m³/min)	(mm×mm)
100	250× 60
200	250× 90
300	250× 120
400	250× 140
450 (7.5)	250× 160
500	250× 170
600 (10)	250× 190
800	250× 230
1,000	250× 270
Ⓑ 1,200 (20)	250× 310
1,400	250× 350
1,600	250× 390
1,800 (30)	250× 430
2,000	250× 470
2,400 (40)	250× 560
3,000 (50)	250× 650
3,500	250× 740
4,000	250× 830
4,500	250× 920
Ⓐ 4,800 (80)	250× 950
5,000	250×1000
5,500	250×1090
6,000 (100)	250×1180

⑥Refrigerant pipe

Caution

- Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  - Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  - Do not use thin-walled pipes.
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation. In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.
- The indoor unit pipes allow the maintenance panel to be removed. Therefore, regardless of the piping direction, there should be a straight section of 400 mm or more.

Work procedure

1. When brazing work, perform it while cool down around the brazing port with wet towels to prevent the overheating.
2. After check the gas leak test, install the heat insulation (prepare on site) to the brazing port of the indoor unit.
   - Be sure to perform the heat insulation both of gas side piping with liquid side piping.
     ※If heat insulation does not install to the pipes, dew condensation may occurs and it may cause the water leakage.
     The thickness of the heat insulation should be more than 20mm.
3. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Single unit			Multi unit			
Type 200	Liquid piping	ϕ 9.52	Type 224	Liquid piping	ϕ 9.52	Flaring
	Gas piping	ϕ 25.4		Gas piping	ϕ 19.05	Flaring
Type 250	Liquid piping	ϕ 12.7	Type 280	Liquid piping	ϕ 9.52	Flaring
	Gas piping	ϕ 25.4		Gas piping	ϕ 22.22	Flaring

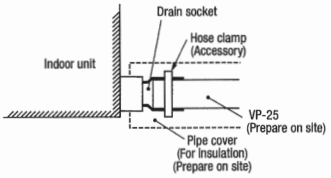
⑦Drain pipe

Caution

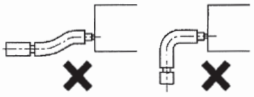
- Install the drain pipe according to the installation manual in order to drain properly.
  Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

Work procedure

1. Insert the supplied drain hose (the end made of soft PVC) to the step of the drain socket on the indoor unit and fix it securely with the clamp.
   - Do not apply adhesives on this end.

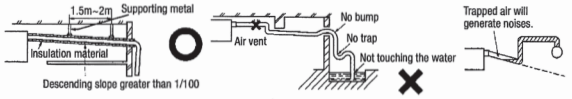


2. Prepare a joint for connecting VP-25 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-25 pipe (prepare on site).
   ※As for drain pipe, apply VP-25 made of rigid PVC which is on the market.
   - Make sure that the adhesive will not get into the supplied drain hose.
     It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - The flexible drain hose is intended to absorb a small difference at installation of the unit or drain pipes. Intentional bending, expanding may cause the flexible hose broken and water leakage.

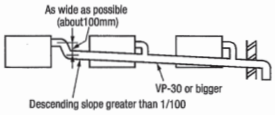


⑦Drain pipe (continued)

3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - ●Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - ●Do not set up air vent.



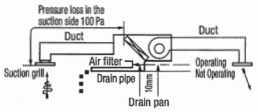
- ●When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.



4. Insulate the drain pipe.
   - ●Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※ After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

Caution

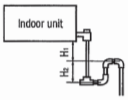
When the duct is connected and the blowing device is operated, the pressure inside the unit becomes negative to the atmospheric pressure.



Example: As shown in the above illustration, if the pressure loss of the suction grill, air filter, and the suction side of the duct is 100 Pa, the drain water level during operation is 10mm higher than when it is not operating.

Fixing Traps

The pressure loss varies depending on the clogging in the air filter. Therefore, make one trap (during the piping work) to prevent water from remaining in the drain pan. It is necessary to make a trap with a structure that allows cleaning. Use the T joint as demonstrated in the left illustration. Also, set the trap height as shown in the left illustration. Arrange the trap near to the unit.



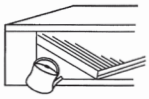
- ●Make one trap along the drain pipe as the left illustration.

H1 = 100 mm or the static pressure of the blowing device
H2 = 1/2 H1 or 50 ~ 100 mm

Drain test

Upon completion of drain piping, check by running water through it.

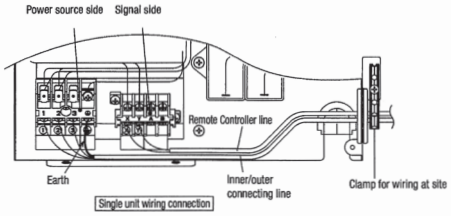
- ○Remove the side panel and gradually pour 1000 cc of water into the drain pan. Ensure that the water drains smoothly.
  Also, ensure that there are no water leaks from the connections and joints.



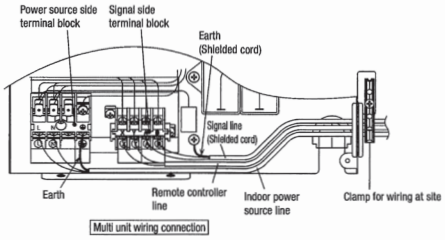
⑧Wiring-out position and wiring connection

- ● Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- ● Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- ● Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- ● Be sure to do D type earth work.
- ● For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (2 screws) and a hook which is located on top of it.
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.



Single unit wiring connection



Multi unit wiring connection

⑨Check list after installation

●Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

(g) Duct connected - Low / Middle static pressure type (FDUM)

PJG012D001C B

○This model is middle static ducted type air conditioning unit. Therefore, do not use this model for direct blow type air conditioning unit.

①Before installation

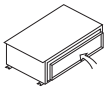
●Install correctly according to the installation manual.

●Confirm the following points:

○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

Accessory item

For hanging	For refrigerant pipe			For drain pipe			
Flat washer (M10)	Pipe cover (big)	Pipe cover (small)	Strap	Pipe cover (big)	Pipe cover (small)	Drain hose	Hose clamp
8	1	1	4	1	1	1	1
For unit hanging	For heat insulation of gas pipe	For heat insulation of liquid tube	For pipe cover fixing	For heat insulation of drain socket	For heat insulation of drain socket	For drain pipe connecting	For drain hose mounting



Accessory parts are stored inside this suction side.

②Selection of installation location for the indoor unit

① Select the suitable areas to install the unit under approval of the user.

- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.

  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above. If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

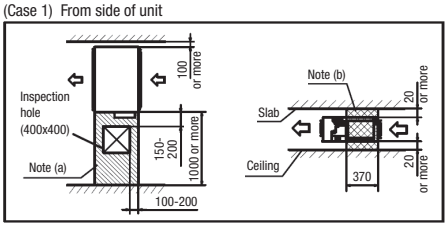
Space for installation and service

●Make installation altitude over 2.5m.

(Indoor Unit)

Select either of two cases to keep space for installation and services.

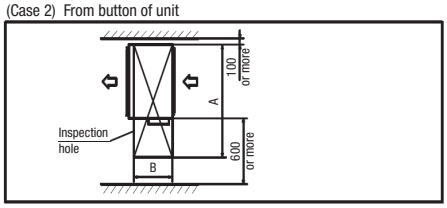
(Case 1) From side of unit



Notes (a) There must not be obstacle to draw out fan motor. (marked area)

(b) Install refrigerant pipe, drain pipe, and wiring so as not to cross marked area.

(Case 2) From button of unit



(Size of inspection hole)

Single type / Multi type	50-71 / 22-90	100-140 / 112-160
A	1100	1300
B	620	740

③Preparation before installation

●If suspension bolt becomes longer, do reinforcement of earthquake resistant.

○For grid ceiling

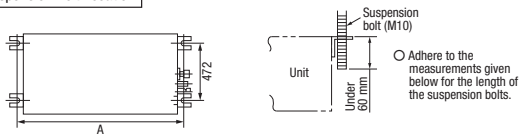
When the suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.

○In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.

When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.

●Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.

Suspension Bolt Location

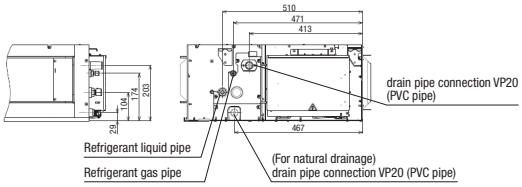


UNIT: mm

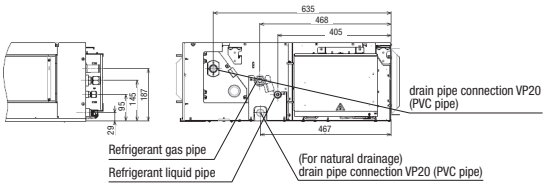
Multi type	22-56	71, 90	112-160
Single type	50	60, 71	100-140
A	786	986	1404

Pipe locations UNIT: mm

Multi type	22-90
Single type	50-71



Multi type	112-160
Single type	100-140

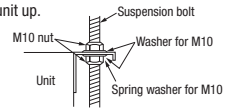


④Installation of indoor unit

Installation

[Hanging]

Hang the unit up.

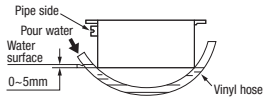


If the measurements between the unit and the ceiling hole do not match upon installation, it may be adjusted with the long holed installation tool.

Adjustment for horizontality

○Either use a level vial, or adjust the level according to the method below.

●Adjust so the bottom side of the unit will be leveled with the water surface as illustrated below.



Let the pipe side be slightly sloped.

○If the unit is not leveled, it may cause malfunctions or inoperation of the float switch.

⑤Duct Work

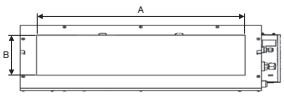
①A corrugated board (for preventing sputtering) is attached to the main body of the air conditioner (on the outlet port). Do not remove it until connecting the duct.

●An air filter can be provided on the main body of the air conditioner (on the inlet port). Remove it when connecting the duct on the inlet port.

②Blowout duct

●Use rectangular duct to connect with unit.
Duct size for each unit is as shown below.

Single type	50	60-71	100-140
Multi type	22-56	71-90	112-140
A	682	882	1470
B	172	172	590



●Duct should be at their minimum length.

●We recommend to use sound and heat insulated duct to prevent it from condensation.

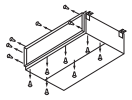
●Connect duct to unit before ceiling attachment.

③Inlet port

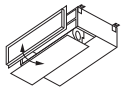
●When shipped the inlet port lies on the back.

●When connecting the duct to the inlet port, remove the air filter if it is fitted to the inlet port.

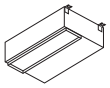
●When placing the inlet port to carry out suction from the bottom side, use the following procedure to replace the suction duct joint and the bottom plate.



●Remove the screws which fasten the bottom plate and the duct joint on the inlet port side of the unit.



●Replace the removed bottom plate and duct joint.



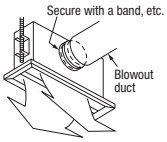
●Fit the duct join with a screw; fit the bottom plate.

●Make sure to insulate the duct to prevent dewing on it.

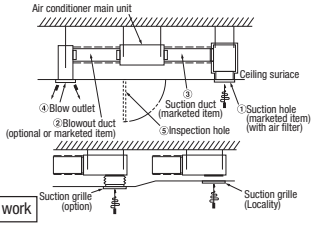
④Install the specific blowout duct in a location where the air will circulate to the entire room.

●Conduct the installation of the specific blowout hole and the connection of the duct before attaching them to the ceiling.

●Insulate the area where the duct is secured by a band for dew condensation prevention.



⑤Make sure provide an inspection hole on the ceiling. It is indispensable to service elecric equipment, motor, functional components and cleaning of heat exchanger.



Bad example of duct work

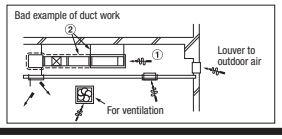
①If a duct is not provided at the suction side but it is substituted with the space over the ceiling, humidity in the space will increase by the influence of capacity of ventilation fan, strength of wind blowing against the out door air louver, weather (rainy day) and others.

a)Moisture in air is likely to condense over the external plates of the unit and to drip on the ceiling. Unit should be operated under the conditions as listed in the above table and within the limitation of wind volume. When the building is a concrete structure, especially immediately after the construction, humidity tends to rise even if the space over the ceiling is not substituted in place of a duct. In such occasion, it is necessary to insulate the entire unit with glass wool (25mm). (Use a wire net or equivalent to hold the glass wool in place.)

b)It may run out the allowable limit of unit operation (Example: When outdoor air temperature is 35°C DB, suction air temperature is 27°C WB) and it could result in such troubles as compressor overload, etc..

c)There is a possibility that the blow air volume may exceed the allowable range of operation due to the capacity of ventilation fan or strength of wind blowing against external air louver so that drainage from be heat exchanger may fall to reach the drain pan but leak outside (Example: drip on to the ceiling) with consequential water leakage in the room.

②If vibration damping is not conducted between the unit and the duct, and between the unit and the slab, vibration will be transmitted to the duct and vibration noise may occur. Also, vibration may be transmitted from the unit to the slab. Vibration damping must be performed.



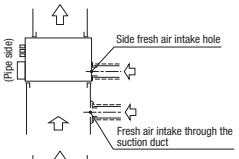
⑤Duct Work (continued)

Connecting the air intake/vent ducts

①Fresh Air Intake

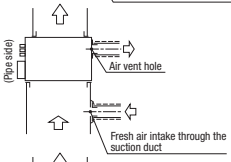
[for air intake duct only]

○Use the side fresh air intake hole, or supply through a part of the suction duct.



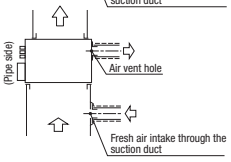
[for simultaneous air intake/vent]

○Intake air through the suction duct.
(the side cannot be used)



②Air Vent

○Use the side air vent hole.
(always use together with the air intake)



○Insulate the duct to protect it from dew condensation.

⑥Refrigerant pipe

Caution

●Use the new refrigerant pipe.

When re-using the existing pipe system for R22 or R407C, pay attention to the following items.

・Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.

・Do not use thin-walled pipes.

●Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.

In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.

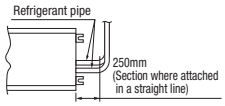
●Do not use any refrigerant other than R410A.

Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.

●Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.

●Use special tools for R410 refrigerant.

Piping work

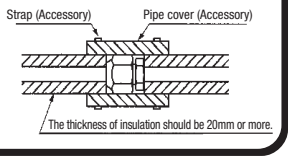


When conducting piping work, make sure to allow the pipes to be aligned in a straight line for at least 250 mm, as shown in the left illustration. (This is necessary for the drain pump to function)

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them. (Gas may come out at this time, but it is not abnormal.)
   ● Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※Do a flare connection as follows:
   ● Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   ● When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   ●Make sure to insulate both gas pipes and liquid pipes completely.
   ※Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 to 18
ϕ 9.52	34 to 42
ϕ 12.7	49 to 61
ϕ 15.88	68 to 82
ϕ 19.05	100 to 120



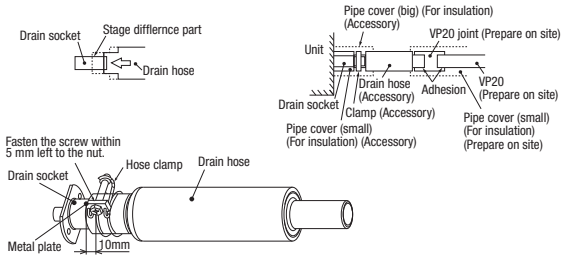
⑦Drain pipe

Caution

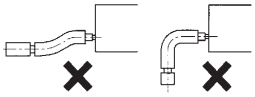
- Install the drain pipe according to the installation manual in order to drain properly. Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

Work procedure

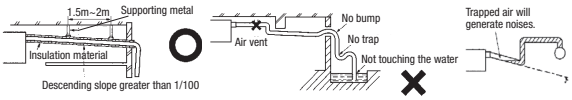
1. Make sure to insert the drain hose (the end mode of soft PVC) to the end of the step part of drain socket.
   Attach the hose clamp to the drain hose around 10mm from the end, and fasten the screw within 5mm left to the nut.
   - Do not apply adhesives on this end.
   - Do not use acetone-based adhesives to connect to the drain socket.



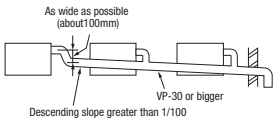
2. Prepare a joint for connecting VP-20 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-20 pipe (prepare on site).
   ※As for drain pipe, apply VP-20 made of rigid PVC which is on the market.
   - Make sure that the adhesive will not get into the supplied drain hose. It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - The flexible drain hose is intended to absorb a small difference at installation of the unit or drain pipes. Intentional bending, expanding may cause the flexible hose broken and water leakage.



3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - Do not set up air vent.



- When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.

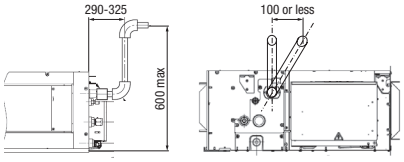


4. Insulate the drain pipe.
   - Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

⑦Drain pipe (continued)

Drain up

- The position for drain pipe outlet can be raised up to 600mm above the ceiling. Use elbows for installation to avoid obstacles inside ceiling. If the horizontal drain pipe is too long before vertical pipe, the backflow of water will increase when the unit is stopped, and it may cause overflow of water from the drain pan on the indoor unit. In order to avoid overflow, keep the horizontal pipe length and offset of the pipe within the limit shown in the figure below.



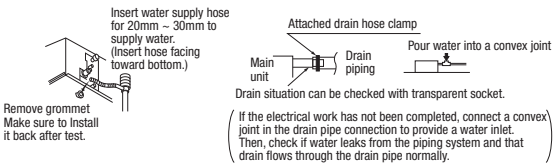
Otherwise, the construction point makes it same as drain pipe construction.

Drain test

1. Conduct a drain test after completion of the electrical work.
2. During the trail, make sure that drain flows properly through the piping and that no water leaks from connections.
3. In case of a new building, conduct the test before it is furnished with the ceiling.
4. Be sure to conduct this test even when the unit is installed in the heating season.

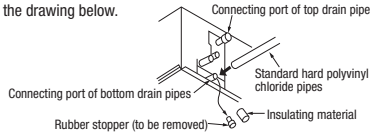
Procedures

1. Supply about 1000 cc of water to the unit through the air outlet by using a feed water pump.
2. Check the drain while cooling operation.



Outline of bottom drain piping work

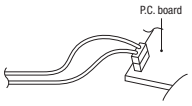
- If the bottom drain piping can be done with a descending gradient (1/50-1/100), it is possible to connect the pipes as shown in the drawing below.



Uncoupling the drain motor connector

- Uncouple the connector CNR for the drain motor as illustrated in the drawing on the right.

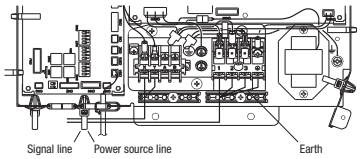
(Note: If the unit is run with the connector coupled, drain water will be discharged from the upper drain pipe joint, causing a water leak.)



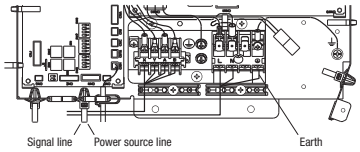
⑧Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (2 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.



Single unit wiring connection



Multi unit wiring connection

⑨External static pressure setting

You can set External Static Pressure (E.S.P.) by either method of MANUAL SETTING or AUTOMATIC SETTING by remote controller.
Indoor unit will control fan-speed to keep rated air flow volume at each fan speed setting (Lo-Uhi)

1. MANUAL SETTING
   You can set required E.S.P. by wired remote controller that calculated with the set air flow rate and pressure loss of the duct connected.
   Select No.1-10 (10Pa-100Pa) from following table according to calculation result.
   Refer to technical manual for details of air flow characteristic.

Setting No.	1	2	3	4	5	6	7	8	9	10
External Static Pressure (Pa)	10	20	30	40	50	60	70	80	90	100

※ When you set No.11-19 by remote controller, unit will control fan-speed with setting of No.10 Factory default is at No.5.

- How to set E.S.P by wired remote controller
  ① Push "◆" marked button(E.S.P button).
  ② Select indoor unit No. by using ⬍ button.
  ③ Select setting No. by using ⬍ button and set E.S.P. by ⊙ button.
  See detailed procedure in technical manual.

Notice
You can NOT set E.S.P by wireless remote controller.

Caution
Be sure to set E.S.P. according to actual duct connected.
Wrong settings causes excessive air flow volume or water drop blown out.

2. AUTOMATIC SETTING
   Indoor unit will recognize E.S.P. by itself automatically and select appropriate fan speed No.1-10.

- How to start automatic setting
  ①, ②Same setting as MANUAL SETTING.
  ③ Select [AUT] by using ⬍ button and press button ⊙.
  ② After setting E.S.P. at "AUT", operate unit in FAN mode with certain fan speed (Lo-Uhi).

⑨External static pressure setting (continued)

Indoor unit fan will run automatically and recognize E.S.P. by itself.
The operation for automatic E.S.P recognition will last about 6 minutes, and it will be stopped after recognition is completed.

Caution
- Be sure to execute AUTOMATIC SETTING by remote controller AFTER ducting work is completed. When duct specification is changed after AUTOMATIC SETTING, be sure to execute AUTOMATIC SETTING again after power resetting and turning on again.
- Be sure to execute AUTOMATIC SETTING before trial cooling operation.
  (See ELECTRICAL WIRING WORK INSTRUCTION about trial cooling operation)
- Before AUTOMATIC SETTING, be sure to check that return air filter in duct is installed and damper is opened.
  Wrong procedure causes excessive air flow or water drop blown out.

Notice
- During operation for automatic recognition (the Auto Operation), fan rotates with certain speeds regardless of set fan speed by remote controller.
- When duct is set with low static pressure (around 10-50Pa), even if indoor unit operate with higher air flow volume than rated one, but it is not abnormal.
- When you changed operation mode or stop operation with ON/OFF button during Auto Operation, the Auto operation will be canceled.
- In such case, be sure to execute AUTOMATIC SETTING again according to above procedure.

⑩Check list after installation

- Check the following items after all installation work completed.

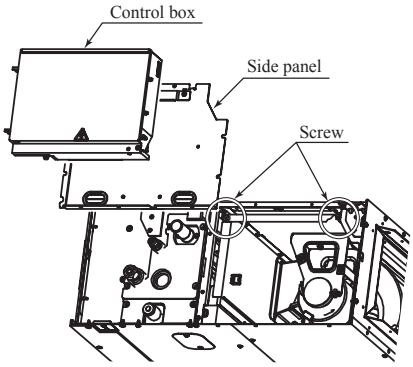
Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
No mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	
Is setting of E.S.P finished?	Excessive air flow, water drop blow out	

Replacement procedure of the fan unit

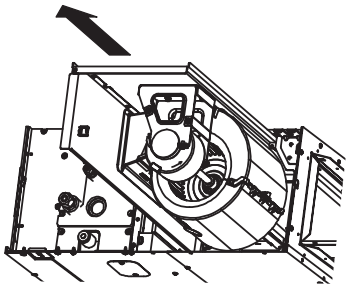
Notes(1) The unit is a heavy item. It must be supported securely and handled with care not to drop when it is necessary to replace.
(2) For the maintenance space, refer to page 243

(a) Models FDUM22, 28, 36, 45, 56KXE6F

1) Remove the control box and the side panel, and remove the screws marked in the circles (2 places) in the figure.

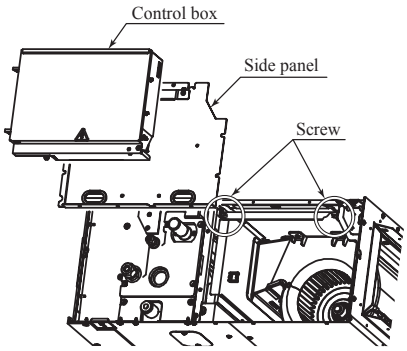


2) Take out the fan unit in the arrow direction.

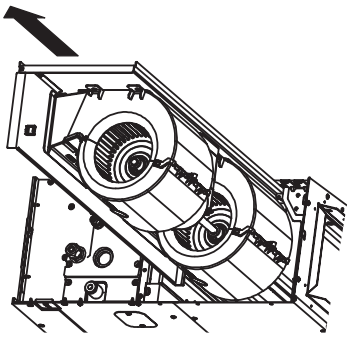


(b) Models FDUM71, 90KXE6F

1) Remove the control box and the side panel, and remove the screws marked in the circles (2 places) in the figure.

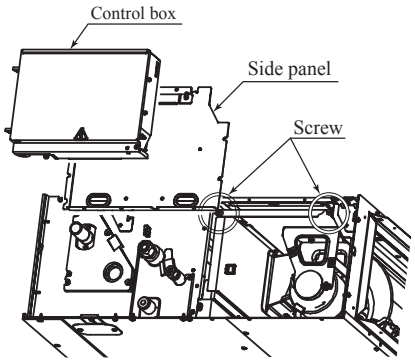


2) Take out the fan unit in the arrow direction.

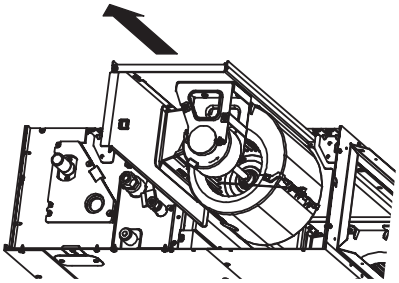


(c) Models FDUM112, 140, 160KXE6F

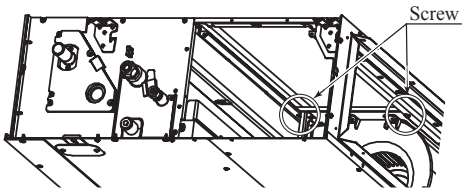
1) Remove the control box and the side panel, and remove the screws marked in the circles (2 places) from the unit located at the near side.



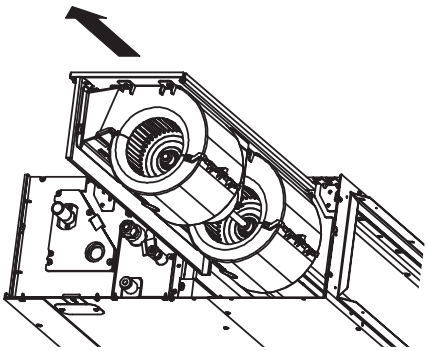
2) Take out the fan unit located at the near side in the arrow direction.



3) Remove the screws marked in the circles (2 places) from the fan unit located at the far side.



4) Take out the fan unit in the arrow direction.



(h) Duct connected (thin) - Low static pressure type (FDUT)

PJM012D032B

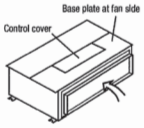
○ This model is low static ducted type air conditioning unit. Therefore, do not use this model for direct blow type air conditioning unit.

① Before installation

● Install correctly according to the installation manual.
● Confirm the following points:
○ Unit type/Power supply specification ○ Pipes/Wires/Small parts ○ Accessory items

Accessory item

For refrigerant pipe			For drain pipe			
Pipe cover(big)	Pipe cover (small)	Strap	Pipe cover(big)	Pipe cover(small)	Drain hose	Hose clamp
1	1	4	1	1	1	1
For heat insulation of gas pipe	For heat insulation of liquid tube	For pipe cover fixing	For heat insulation of drain socket	For heat insulation of drain socket	For drain pipe connecting	For drain hose mounting



Accessory parts are stored inside this suction side. Remove the control cover and the base plate at fan side before taking out accessories.

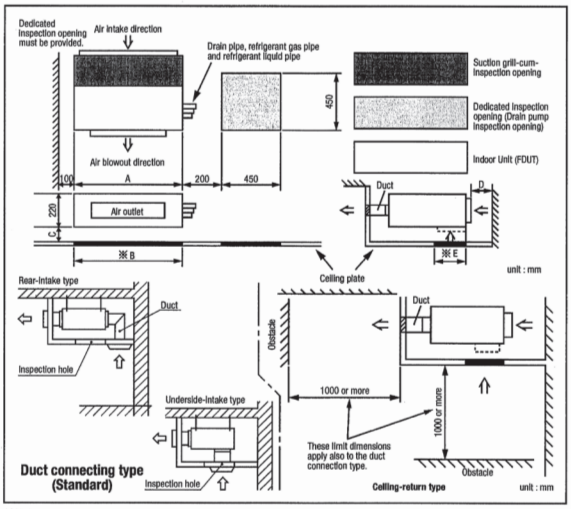
② Selection of installation location for the indoor unit

① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
  If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

Space for installation and service

●Make installation altitude over 2.5m.



※Dimensions of the opening on the ceiling after removing the suction grill-cum-inspection opening

FDUT, standard method of air intake: Rear intake (Specification at shipping from factory)

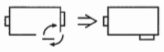
FDUT	A	B
22, 28, 36	750	770
45, 56	950	970

Dimension C: 100 mm or more
Dimension D: 150 mm or more
Dimension E: 350 mm or more

② Selection of installation location for the indoor unit

Caution
When it has been changed to the bottom suction configuration at site, install the suction guard (optional) specified by us to protect hands from the fan.

- FDUT may be changed to the underside intake type if demanded so by the customer. (Suction flange plate and bottom plate can be replaced on site.) However, this type should not be employed where a high level quietness is demanded.



In case of the underside inhale type

Dimension C: 80 mm or more
Dimension D: 50 mm or more

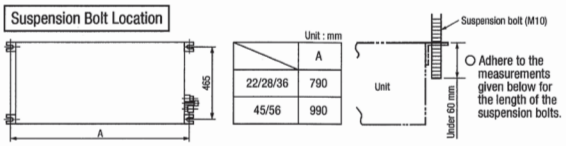
List of serviceability in the installation of FDUT
(Where the clearance between the top of FDUT and the ceiling is 80 mm)

Installation and service items	Suction grill-cum-inspection opening + Dedicated inspection opening	Remarks
1. Clamping of the flare of liquid refrigerant pipe	Use of dedicated inspection opening	
Clamping of the flare of gas refrigerant pipe	Use of dedicated inspection opening	
2. Drain pipe connection	Use of dedicated inspection opening	
3. Installation and removal of blower	Use of suction grill-cum-inspection opening	Not good for suction grills of 350 x 770 mm or less for 22, 28, 36 and of 350 x 970 mm or less for 45, 56
4. Control box (In the state that the indoor unit is installed		
· Power supply wire connection	Use of suction grill-cum-inspection opening	
· Signal wire connection (Indoor, outdoor)	Use of suction grill-cum-inspection opening	
· Signal wire connection (Remote controller)	Use of suction grill-cum-inspection opening	
· Address setting	Use of suction grill-cum-inspection opening	
5. Installation of control box (with wires connected)	Use of suction grill-cum-inspection opening	
6. Replacement of drain pump	Use of dedicated inspection opening	Short screwdriver and Allen wrench are required.
7. Replacement of heat exchanger sensor	Use of dedicated inspection opening	

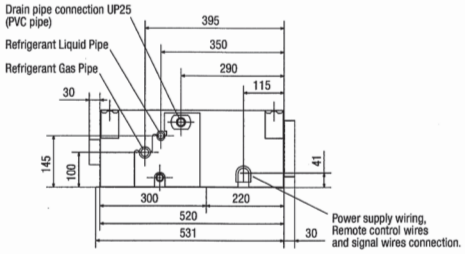
③ Preparation before installation

● If suspension bolt becomes longer, do reinforcement of earthquake resistant.
○ For grid ceiling
When suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
○ In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
● Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.

Suspension Bolt Location



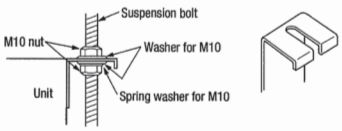
Pipe locations Unit: mm



④ Installation of indoor unit

Installation

[Hanging]
Hang the unit up.



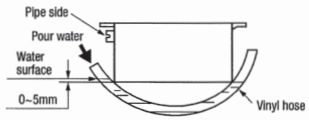
If the measurements between the unit and the ceiling hole do not match upon installation, it may be adjusted with the long holed installation tool.

④ Installation of indoor unit (continued)

Adjustment for horizontality

○ Either use a level vial, or adjust the level according to the method below.

● Adjust so the bottom side of the unit will be leveled with the water surface as illustrated below.

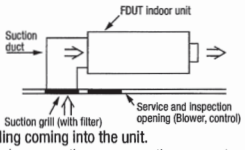


Let the pipe side be slightly sloped.

○ If the unit is not leveled, it may cause malfunctions or inoperation of the float switch.

⑤ Duck Work

Caution



- · To prevent fire accident caused by dust or trouble of water leakage, install a filter provided at site at a place convenient for maintenance.
- · When employing the ceiling return configuration, instead, install the suction guard (optional) specified by us to prevent dust or small living things in the ceiling coming into the unit.
- · Indoor unit for small rooms of house, hotel or office, such as reception room, meeting room, etc.
- · Where air is inhaled from the back of indoor unit and the air intake opening on the ceiling is disposed under the bottom face of blower, the suction duct is not used.

Where the air inhaling space is open to a large space or outdoor air, RFUT and the suction grill on the ceiling are connected to ducts. In this case, it is necessary to provide respectively the suction grill at the back of unit on the ceiling, and the service and inspection opening at the bottom face of RFUT. (One for both purposes is not allowed.)

(a) Suction grill is one of important parts for the air-conditioner. Install it in front of the suction duct. Make sure to install an air filter on it.

(b) Air outlet duct: Make it short as practicable as possible. Reduce the number of bends as less as possible.
Radius of bend on the duct must be as large as possible.

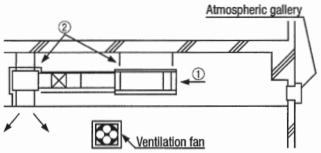
(c) Inhale section (Larger noises generate if air is inhaled from the underside). Install the suction inlet in front of the suction duct in a manner that the air filter can be brought down.

(d) Insulation must be performed for the duct to prevent water condensation on the duct.

(e) For the blowing outlet, select a shape and location where air may circulate, and a strucure where airflow may be controlled.

(f) An inspection hole must be made in the ceiling surface. This is necessary for the repair and maintenance of the electrical parts, motor and functional parts, as well as for cleaning the heat exchanger.

A bad example of duct work



① If the suction duct is not used, and the attic is used as a suction duct, the attic will become extremely humid depending on the performance of the ventilation fan, the strength of wind blowing to the atmospheric gallery and the climate (e.g., rainy days).

a. Condensation occurs on the outer board of the unit and water may fall on the ceiling. Use the unit according to the air c onditions in the above table and airflow limits. In concrete constructions, high humidity can occur in new constructions even when the attic is not used as a suction duct. In this case, insulate the entire unit with glass wool (25 mm) (use a metal net to hold the wool.)

b. Operation of the unit may exceed its limits (for example, when the temperature of the suction air is 24 °C with the outdoor temperature of 35 °C DB). In such a cases, problems such as an overload of the compressor may occur.

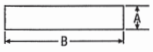
c. The volume of the air blowing in may increase due to the performance of the ventilation fan and the wind strength blowing against the atmospheric gallery. The air usage limit may be exceeded, and the water from the heat exchanger will not be able to drain to the drain pan. Instead it will drain outside and cause a water leak (to the ceiling).

② If vibration damping is not conducted between the unit and the duct, and between the unit and the slab, vibration will be transmitted to the duct and vibration noise may occur. Also, vibration may be transmitted from the unit to the slab, Vibration damping must be pergormed.

Adaptation to suction duct (max. length 10 m)

● Following provisions are required when installing the air blowout duct (max. 10 m) on site.

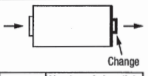
1. Remove the air blowout duct plate from the unit and replace with the optional air blowout duct plate. (For lowered ceiling) (For air blowout duct)
   · Size of duct fit to the optional air blowout duct plate



unit : mm

	A	B
22~36	162	732
45, 56	162	932

2. When installing air outlet ducts on site, branch the duct near the air outlets and connect them to the air outlets provided on site, with care to achieve the designed blowout wind velocity on site.



Note 1) Max. duct length must be 10 m.
2) Number of air outlets provided on site must be as follows.

	Number of air outlets provided on site
22~36	2 or less
45, 56	3 or less

3. Speed of fan motor may be increased on FDUT22, 28 and 45.
   Select the high ceiling setting with the remote controller.

⑥ Refrigerant pipe

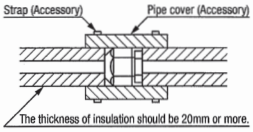
Caution

- ● Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  · Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  · Do not use thin-walled pipes.
- ● Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- ● Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- ● Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- ● Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   (Gas may come out at this time, but it is not abnormal.)
   ● Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※Do a flare connection as follows:
   ● Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   ● When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   ● Make sure to insulate both gas pipes and liquid pipes completely.
   ※Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 ~ 18
ϕ 9.52	34 ~ 42
ϕ 12.7	49 ~ 61



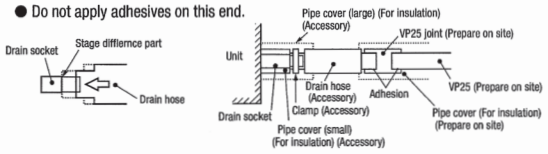
⑦ Drain pipe

Caution

- ● Install the drain pipe according to the installation manual in order to drain properly.
  Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- ● Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- ● Connect the pipe securely to avoid water leakage from the joint.
- ● Insulate the pipe properly to avoid condensation drop.
- ● Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- ● Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

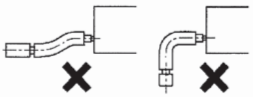
Work procedure

1. Insert the supplied drain hose (the end made of soft PVC) to the step of the drain socket on the indoor unit and fix it securely with the clamp.
   ● Do not apply adhesives on this end.

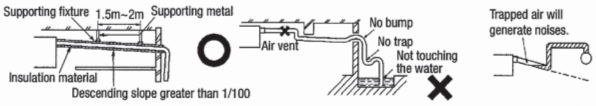


⑦ Drain pipe (continued)

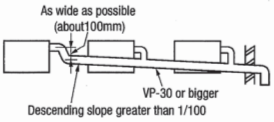
2. Prepare a joint for connecting VP-25 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-25 pipe (prepare on site).
   ※As for drain pipe, apply VP-25 made of rigid PVC which is on the market.
   - Make sure that the adhesive will not get into the supplied drain hose. It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - The flexible drain hose is intended to absorb a small difference at the unit or installation of drain pipes. Intentional bending, expanding may cause the flexible hose broken and water leakage.



3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - Do not set up air vent.



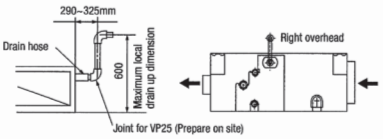
- When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.



4. Insulate the drain pipe.
   - Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

Drain up

- The position for drain pipe outlet can be raised up to 600mm above the ceiling. Use elbows for installation to avoid obstacles inside ceiling. If the horizontal drain pipe is too long before vertical pipe, the backflow of water will increase when the unit is stopped, and it may cause overflow of water from the drain pan on the indoor unit. In order to avoid overflow, keep the horizontal pipe length and offset of the pipe within the limit shown in the figure below.

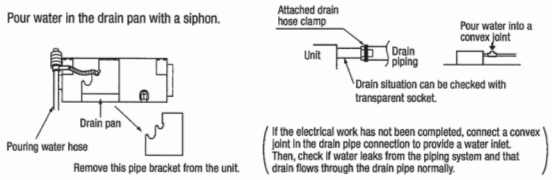


Drain test

1. Conduct a drainage test after completion of the electrical work.
2. During the trial, make sure that drain flows properly through the piping and that no water leaks from connections.
3. In case of a new building, conduct the test before it is furnished with the ceiling.
4. Be sure to conduct this test even when the unit is installed in the heating season.

Procedures

1. Supply about 1000 cc of water to the unit through the air outlet by using a feed water pump.
2. Check the drain while cooling operation.



Drain pump operation

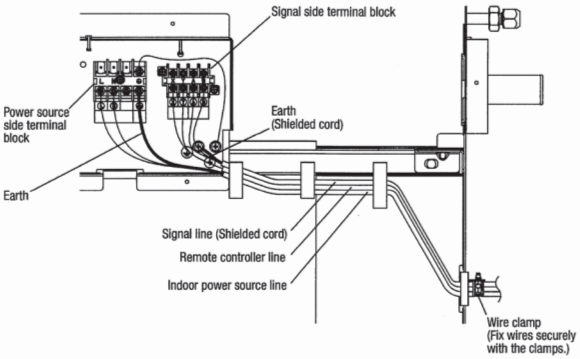
○ In case electrical wiring work finished
Drain pump can be operated by remote controller (wired).
For the operation method, refer to Operation for drain pump in the installation manual for wiring work.

○ In case electrical wiring work not finished
Drain pump will run continuously when the dip switch"SW7-1" on the indoor unit PCB is turned ON, the Connector CNB is disconnected, and then the power supply (230VAC on the terminal block ① and ②) is turned ON.
Make sure to turn OFF "SW7-1" and reconnect the Connector CNB after the test.

⑧ Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type grounding work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove the bottom plate at the center of unit and the bottom plate at the fan side. Terminal block is provided in the control box as shown at right.
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.



⑨ Check list after installation

- Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

(i) Duct connected-Compact and Flexible type (FDUH)

PJC012D207 a

①Before installation

●Install correctly according to the installation manual.
●Confirm the following points:
○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

Accessory item

For refrigerant pipe			For drain pipe		
Pipe cover(big)	Pipe cover (small)	Strap	Transparent soft tube	Hose clamp (big)	Hose clamp (small)
1	1	4	1	1	1
For heat insulation of gas pipe	For heat insulation of liquid tube	For pipe cover fixing	For drain pipe connecting	For drain hose mounting	For drain hose mounting

②Selection of installation location for the indoor unit

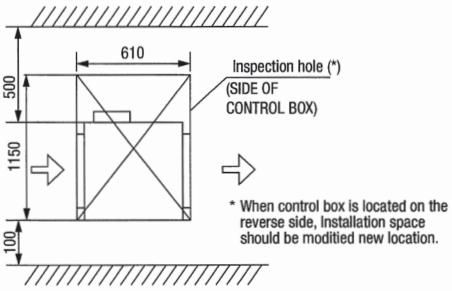
① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above. If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

②Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

③If there are 2 units of wireless type, keep them away for more than 6m to avoid malfunction due to cross communication.

Space for installation and service

●Install the indoor unit at a height of more than 2.5m above the floor.



③Preparation before installation

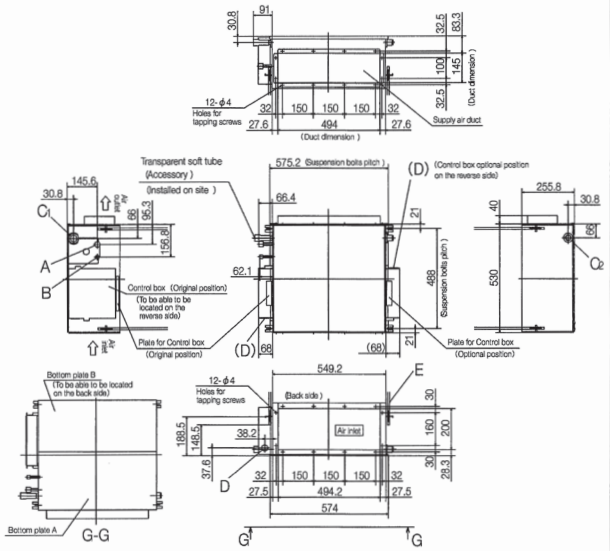
●If suspension bolt becomes longer, do reinforcement of earthquake resistant.
○For grid ceiling
When suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
○In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
○When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
●Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.

③Preparation before installation (continued)

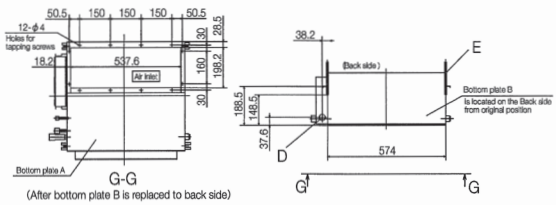
Ceiling opening, Suspension bolts pitch, Pipe position

Symbol	Content		
	Model	FDUH22KXE6,28KXE6	FDUH36KXE6
A	Gas piping	φ9.52(3/8") (Flare)	φ12.7(1/2") (Flare)
B	Liquid piping	φ6.35(1/4") (Flare)	
C_1	Drain piping	VP20 Note(2)	
C_2	Drain piping	To be used instead of "C_1"	
D	Hole for wiring	φ30	
E	Suspension bolts	(M10)	

Notes (1) The model name label is attached on the fan case inside the air return grille.
(2) Prepare the connecting socket(VP20) on site. (As for drain piping, it is possible to choose C_1 or C_2)



<Normal setting>



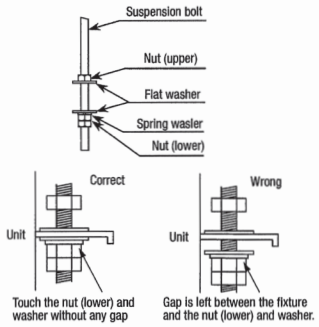
(After bottom plate B is replaced to back side)

<Bottom Suction setting>

④Installation of indoor unit

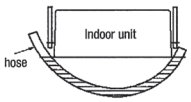
Work procedure

1. Arrange the suspension bolt at the right position (488mm×576mm).
2. Make sure to use four suspension bolts and fix them so as to be able to hold 500N load.



④Installation of indoor unit (continued)

3. Make sure to install the indoor unit horizontally. Confirm the levelness of the indoor unit with a level gauge or transparent hose filled with water. Keep the height difference at both ends of the indoor unit within 3mm.
4. Tighten four upper nuts and fix the unit after height and levelness adjustment.

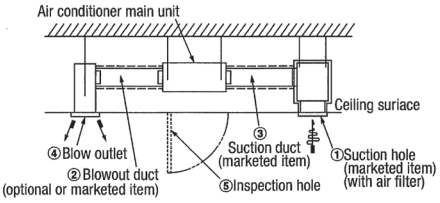


Caution

●Do not adjust the height by adjusting upper nuts. It will cause unexpected stress on the indoor unit and it will lead to deformation of the unit, failure of attaching a panel, and generating noise from the fan.

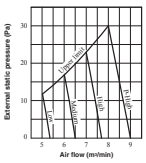
●Make sure to install the indoor unit horizontally and set the gap between the unit underside and the ceiling plane properly. Improper installation may cause air leakage, dew condensation, water leakage and noise.

⑤Duct work



Request

①●Calculate air capacity and the external static pressure to select the duct's length and shape, and blow outlet.



Caution

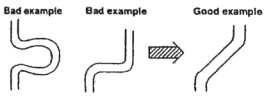
●Take care that the external static pressure does not exceed 30 Pa. The unit has condensation owing to the decrease in air capacity, possibly causing the ceiling and household goods to become wet.

②The main body of the air conditioner is not provided with an air filter. Assemble it into the suction grill for which cleaning is easy.

③Blow duct

●Make the duct the shortest in length.

●Bend a lot less abruptly. (Make the bend radius a lot larger.)

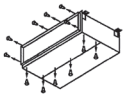


●When connecting the main body to the duct flange of the blow outlet, attach the insulation material to the fixed portion to protect it from condensation.

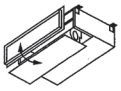
●Conduct the duct work before ceiling attachment.

④ Inlet port

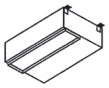
●When placing the inlet port to carry out suction from the bottom side, use the following procedure to replace the suction duct joint (prepare on site) and the bottom plate.



●Remove the screws which fasten the bottom plate and the duct joint (prepare on site) on the inlet port side of the unit.



●Replace the removed bottom plate and duct joint (prepare on site).



●Fit the duct join (prepare on site) with a screw; fit the bottom plate.

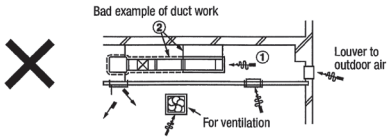
⑤ Make sure to keep the suction duct warm to protect it from condensation.

⑥ Install the blowout hole where air can flow all over the room.

⑦ Make sure to install the inspection opening in the ceiling. It is needed for the maintenance of electrical parts, the motor and other parts.

⑤Duct work (continued)

Example of bad duct work



①If the suction duct is made in the ceiling without using the suction side duct, the temperature inside the ceiling will be high owing to the ventilating fan's performance, the strength of any wind blowing against the outdoor air louver, weather (on a rainy day) and other factors.

●The outside plate of the unit may have condensation, causing water to drip on the ceiling. Also, in the case of a new house of a concrete structure, the temperature may be high without a duct inside the ceiling. In such a case, keep the whole unit warm using glass wool (25mm). (Cover the glass wool with wire netting or the like.)

●The unit may be beyond its operation limit, causing overloading of the compressor, and other trouble.

●Because the blowing capacity of the unit increases, owing to the ventilating fan's performance and any wind blowing against the outdoor air louver, up to its use limit, draining liquid from the heat exchanger does not flow into the drain pan, possibly flowing to the outside and causing water leaks (in which drained liquid drips on the ceiling).

⑥Refrigerant pipe

Caution

●Use the new refrigerant pipe.
When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
・Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
・Do not use thin-walled pipes.

●Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.

●Do not use any refrigerant other than R410A.
Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.

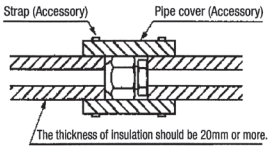
●Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.

●Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   (Gas may come out at this time, but it is not abnormal.)
   ● Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※Do a flare connection as follows:
   ● Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   ● When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   ●Make sure to insulate both gas pipes and liquid pipes completely.
   ※Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 to 18
ϕ 9.52	34 to 42
ϕ 12.7	49 to 61
ϕ 15.88	68 to 82
ϕ 19.05	100 to 120



⑦Drain pipe

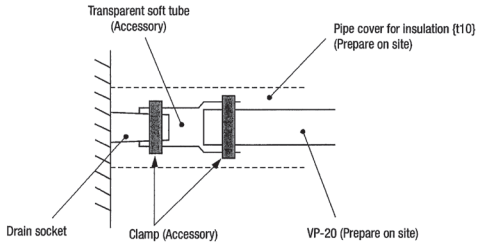
Caution

- Install the drain pipe according to the installation manual in order to drain properly.
  Imperfection in draining may cause flood indoors and wetting the household goods,etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

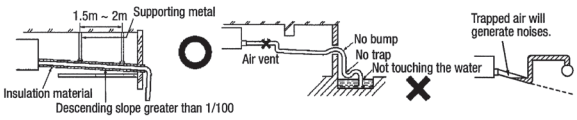
Work procedure

1. Connect the drain pipe (VP-20) to drain socket using "transparent soft tube (accessory)" and secure firmly with a clamp.
   - Do not apply adhesives on both side.

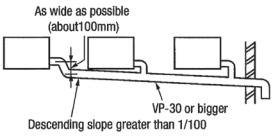
   {*1 If the drain tube is directly connected with drain socket, the drain socket and drain pan would not be able to be removed.}
   {*2 As optional setting, rubber hose (inside diameter ϕ19) can be connected directly with clamp to above drain socket under the later condition.}



2. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - Do not set up air vent.



- When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.

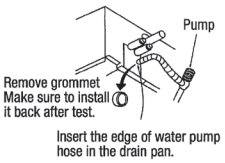


3. Insulate the drain pipe.
   - Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※ After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

Drain test

- After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan.
- Do drain test even if installation of heating season.
- For new building cases, make sure to complete the test before hanging the ceiling.

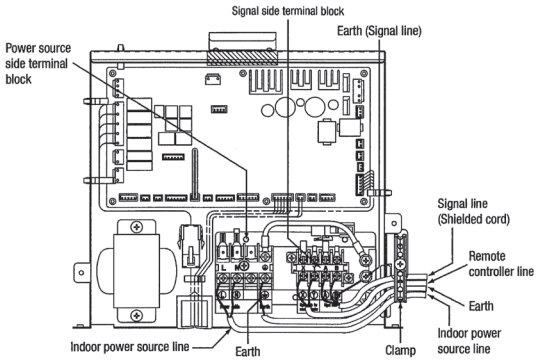
1. Remove the drain grommet, and pour water of about 1000cc into the drain pan in the indoor unit by pump so as not to get the electrical component wet.
2. Make sure that water is drained out properly and there is no water leakage from any joints of the drain pipe at the test.
3. Make sure to install the grommet back to original place.
4. Insulate the drain pipe properly finally.



⑧Wiring-out position and wiring connection

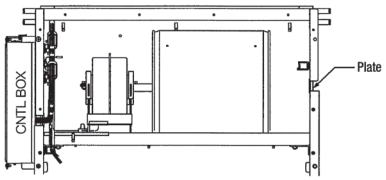
- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (2 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.

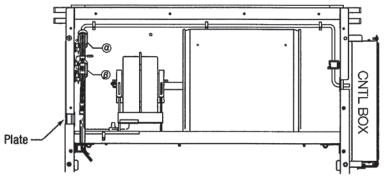


> Procedure for optional setting of control box
(i) Remove bottom plate.
(ii) Unfasten two (2) "straps" for wire.
(iii) Remove the plate for control box. (2 screws), and set it at optional position (opposite side).
(iv) Remove the control box (2 screws), and set it at optional position (opposite side).
(v) Remove the plate. (1 screw)
Through this space, set and fix all wires by four (4) "clamps" and two (4) "straps".
(vi) Close the opposite space by the plate, and set the bottom plate again.

① Wiring Location (Original)



② Wiring Location (Optional)
After fix ⓐ, the modification of wiring length should be done, by Ⓑ



⑨Check list after installation

- Check the following items after all installation work completed.

Check if;	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

(j) Wall mounted type (FDK)

PHA012D039

①Before installation

●Install correctly according to the installation manual.
●Confirm the following points:
○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

Installation-related items

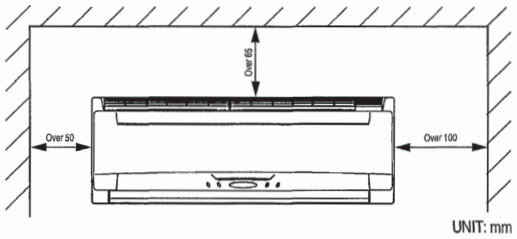
Mounting plate	Tapping screw	Insulation	Strap
1	10	1	4
Attached to the backside of the indoor unit.	For the mounting plate, 4mm (dia.) x 25mm (length)	For heat insulation, 50mm x 160mm	For wire clamp

②Selection of installation location for the indoor unit

① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 23°C and relative humidity is lower than 80%. This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation. (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

②Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

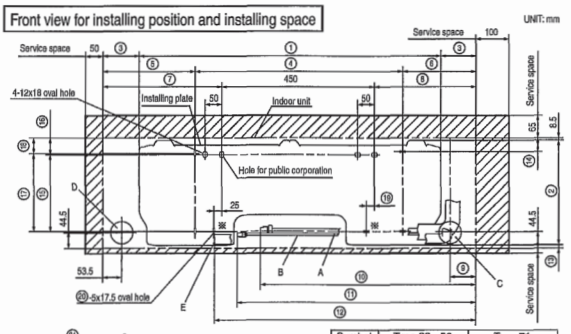
Space for installation and service

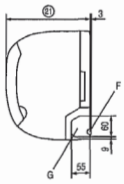


ATTENTION
●Secure a working space for inspection and maintenance.

③Preparation before installation

Front view for installing position and installing space





Symbol	Type 22 - 56	Type 71
①	693	886
②	284.2	301.8
③	73.5	106
④	-	610
⑤	-	269
⑥	-	219
⑦	207.5	349
⑧	182.5	299
⑨	63.5	77
⑩	533.5	633.5
⑪	603.5	703.5
⑫	515	772
⑬	5.3	7.7
⑭	-	43
⑮	220.5	221.5
⑯	47.5	49.5
⑰	-	225
⑱	-	46
⑲	0	25
⑳	2 (※)	6
㉑	259	248

Symbol	
A	Gas piping
B	Liquid piping
C	Wall pulling hole for right rear piping
D	Wall pulling hole for left rear piping
E	Drain piping
F	Outlet for wiring
G	Outlet for piping

④Installation of indoor unit

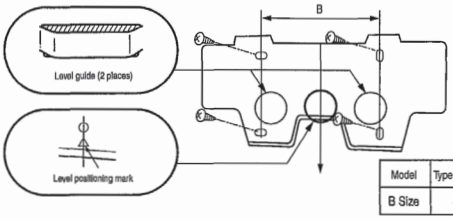
Haulage

ATTENTION
●In carrying the unit into an installation site, carry it in the original packaging to a point as close to the proposed installation site as possible.
●When the unit needs to be unpacked during haulage due to a compelling reason, wrap it with nylon slings or the like to prevent possible damages.
Note: Do not hold the unit by the diffuser louver in carrying it.
●When the unit needs to be laid on a floor after unpacking, always lay it with its front facing upward.

Installation of the mounting plate

ATTENTION
●This unit cannot be installed directly onto a wall surface. Regardless of the surface it is to be installed onto, you should use the mounting plate supplied with the unit.

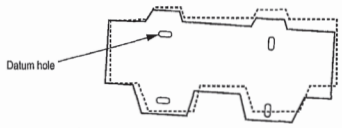
○Install it securely by spotting a structural member running underneath the wall (stud or the like) and after ascertaining its levelness.



UNIT: mm

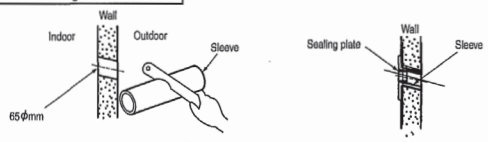
Model	Type 22~56	Type 71
B Size	450	450,610

○The levelness of the mounting plate should be adjusted with the four fixing screws fastened temporarily.



○Rotate the plate around the datum hole to achieve the levelness.

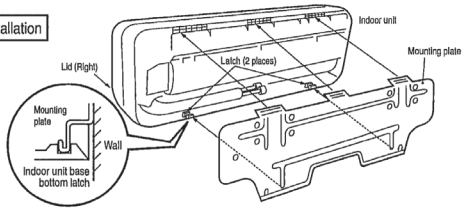
Hints for making a hole on a wall



○Give a descending grade of 5° from the interior to the exterior.

④Installation of indoor unit (continued)

Unit installation



• To remove the unit from the mounting plate, first remove the right and left lids and then disengage the indoor unit base bottom latches.

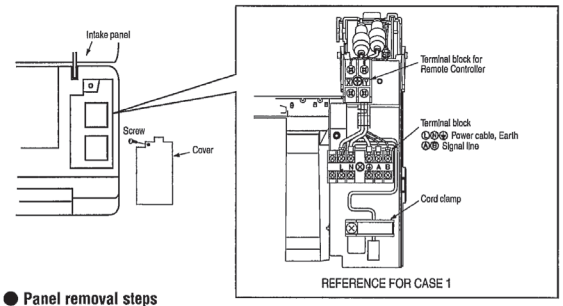
Installation steps	
①Hang the upper part of the indoor unit onto the mounting plate.	②Push the lower part of the indoor unit lightly against the wall for one-touch installation.

⑤Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

CASE 1 : MODEL 22 ~ 56, CASE 2 : MODEL 71

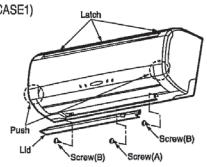
1. Open the intake panel. (Pull the lower part of the intake panel holding both ends, disengage the latches and then lift it until you feel some drag. The intake panel will stay open at an angle of about 60°)
2. Remove the screw and detach the cover.
3. Connect the remote control line to the upper one of the two terminal blocks provided in the control box.
4. Connect the power cable, grounding line and signal line to the lower terminal block.
5. Attach the cover and fasten the screw.
6. Close the intake panel.
   (Note)
   • Connect each line to terminal block according to number on label of terminal block.



● **Panel removal steps**

1. Remove the cap.(CASE1.only)
2. Remove the fixing screw A and detach the unit bottom guide.(CASE1.only)
3. Remove the fixing screw B.
4. Pull the lower part of the front panel off the unit toward you, and then push it up to detach its upper part from the unit.
   (Disengage three hooks located on the top part)

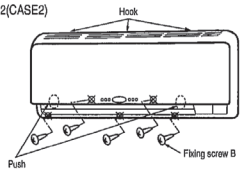
Fig.1(CASE1)



● **Panel attachment steps**

1. Always remove the air filter beforehand.
2. Place the front panel over the unit.
3. Engage it onto the unit by pressing the areas marked with ⊙ in the drawing from the front.
4. Fasten the fixing screw B.
5. Set the air filter.
6. Attach the unit bottom guide and fasten the fixing screw A.(CASE1.only)
7. Attach the cap.
   (Plug it in securely until the end so that it won't come off easily) (CASE1.only)

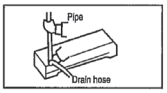
Fig.2(CASE2)



⑥Shaping of pipes and drain hoses

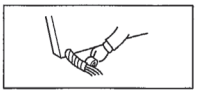
(When it is routed through the rear)

○Shaping of pipes



●Hold the root of the pipe to change its direction, straighten it and then shape it.

○Tape wrapping

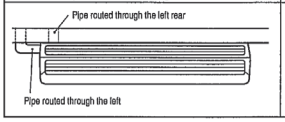
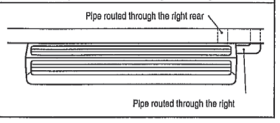


●Wrap a tape for the length that corresponds to a penetration through the wall.
●The connecting wires must be wrapped together with the pipe.

Make sure that wires are connected securely onto the terminal block, before you dress them with a tape after shaping the pipe.

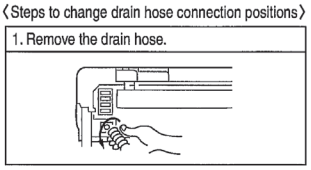
(Points for attention when the pipe is routed through the left or the rear of the unit.)

〈View from the top〉

Pipe routed through the left	Pipe routed through the right
	

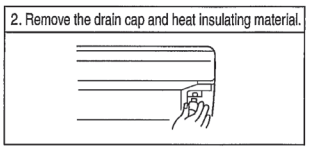
〈Steps to change drain hose connection positions〉

1. Remove the drain hose.



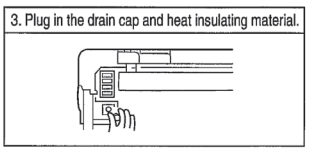
●Turn the drain hose and pull it out.

2. Remove the drain cap and heat insulating material.



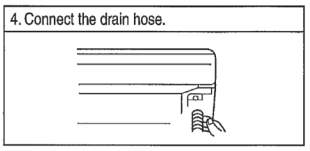
●Remove it either manually or with pliers.

3. Plug in the drain cap and heat insulating material.



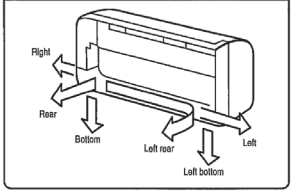
●Plug the drain cap removed in the step 2 securely into the hole with a hexagonal wrench or the like.
Note: Pay attention that a drain cap not properly plugged in can cause a water leak.

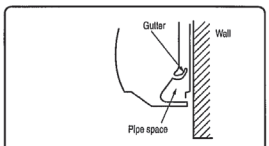
4. Connect the drain hose.



●Insert the drain hose securely by turning it.
Note: Pay attention that a drain hose not properly plugged in can cause a water leak.

The pipe can be routed through the rear, left, left rear, right or bottom of the unit.





This air conditioner is designed to collect dew formed on its back in the drain pan for discharging, so do not lay power cables, etc. in any part above the gutter.

⑦Refrigerant pipe

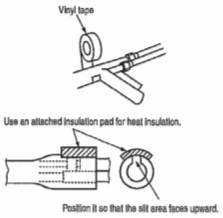
Caution

- Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  - Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  - Do not use thin-walled pipes.
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   (Gas may come out at this time, but it is not abnormal.)
   - Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - Make sure to insulate both gas pipes and liquid pipes completely.
     ※Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N-m
ϕ6.35	14 to 18
ϕ9.52	34 to 42
ϕ12.7	49 to 61
ϕ15.88	68 to 82



⑧Drain pipe

Caution

- Install the drain pipe according to the installation manual in order to drain properly.
  Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

1. A general-purpose hard PVC pipe VP-16 can be connected to the drain hose tip as a part of drain piping.
2. Drain piping must be given a descending grade so that drain water may flow smoothly and it must not have any trap or bump within the system.
   (The pipe can be routed through the left, right, rear or bottom of the unit)
   Hard PVC pipes (VP-16) laid indoors must be kept warm.

⑧Drain pipe (continued)

3. Pour water into the drain pan placed underneath the heat exchanger to make sure that it is properly drained outdoors.
   (For removal of the front panel, refer to ⑤Wiring-out position and wiring connection in this manual.

Drain test

- After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan.
- Do drain test even if installation of heating season.

⑨Check list after installation

- Check the following items after all installation work completed.

Check if;	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

(k) Ceiling suspended type (FDE)

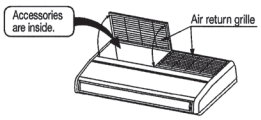
PFA012D621B A

①Before installation

- Install correctly according to the installation manual.
- Confirm the following points:
  - ○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

Accessory item

For unit hanging		For refrigerant pipe			For drain pipe					For air return grille
Flat washer (M10)	Paper pattern	Pipe cover (large)	Pipe cover (small)	Strap	Drain hose (with clamp)	Hose clamp	Fixing bracket	Screw	Heay insulation	Screw
8	1	1	1	4	1	1	1	2	1	4
For unit hanging	For unit hanging and adjustment	For heat insulation of gas pipe	For heat insulation of liquid pipe	For fixing of pipe cover	For drain pipe connection	For drain hose mounting	For fixing of drain hose	For installing of fixing bracket	For drain hose	For fixing air return grille



②Selection of installation location for the indoor unit

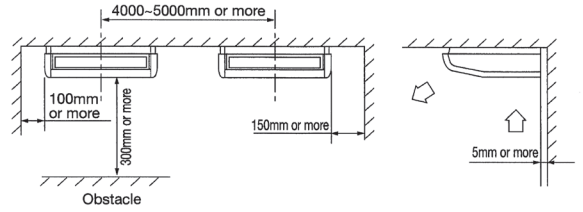
① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 23°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

③ If there are 2 units of wireless type, keep them away for more than 6m to avoid malfunction due to cross communication.

④ When plural indoor units are installed nearby, keep them away for more than 4 to 5m.

Space for installation and service



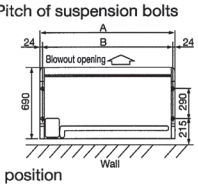
③Preparation before installation

- If suspension bolt becomes longer, do reinforcement of earthquake resistant.
  - ○ For grid ceiling
    When suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
  - ○ In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
    When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
- Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.

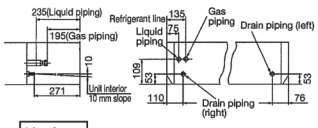
③Preparation before installation (continued)

Pitch of suspension bolts and pipe position

Pitch of suspension bolts



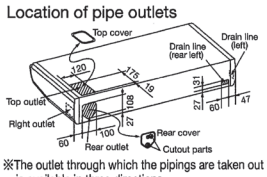
Pipe position



(mm)

Series	type	A	B
Single Split (PAC) series	40 to 50type	1070	1022
	60 to 71type	1320	1272
	100 to 140type	1620	1572
VRF (KX) series	36 to 56type	1070	1022
	71type	1320	1272
	112 to 140type	1620	1572

Location of pipe outlets



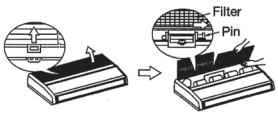
※The outlet through which the pipings are taken out is available in three directions.

Haulage

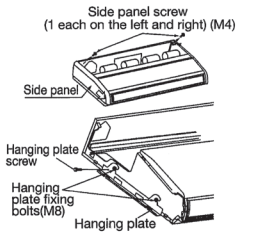
- Move the box as close to the installation area as possible packed.
- If it must be unpacked, wrap the unit with a nylon sling, and be careful not to damage the unit.
- If you need to lay the unit on a floor after unpacking, always put it with the intake grille facing upward.

Preparation before instalation

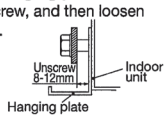
1. Remove the air return grille.
Slide stoppers (4 places) of the catches, then pull out the pins (4 or 6 places).



2. Remove the side panel.
Remove the screw and detach the side panel by sliding it toward the direction indicated by the arrow mark.



3. Remove the hanging plate.
Remove the screw, and then loosen the fixing bolts.



④Remote controller

Installation of remote controller

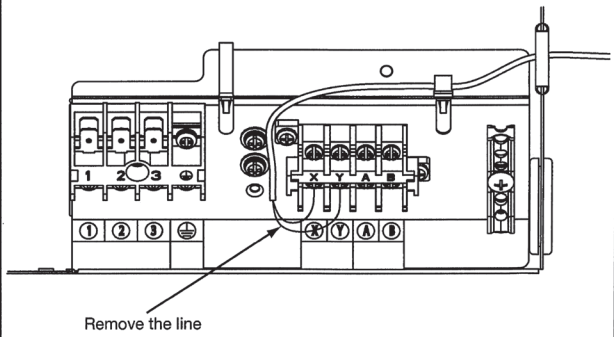
Up to two receiver or wired remote controller can be installed in one indoor unit group.

- When both wired and wireless remote controller are used
  It is necessary to set wired or wireless remote controller as slave.
  (For the method of changing the setting, refer to the installtion manual attached to remote controller or wireless kit.)

- When wired remote controller are used only (wireless type)
  It is necessary to remove the line that is connected to the receiver.
  Remove signal line connected to the receiver from primary side of terminal block (X, Y).

ATTENTION

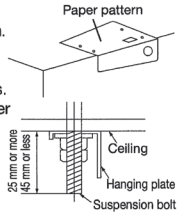
①Insulate with tape the removed line.
②The LED of that removed connector will not be able to make any indication.



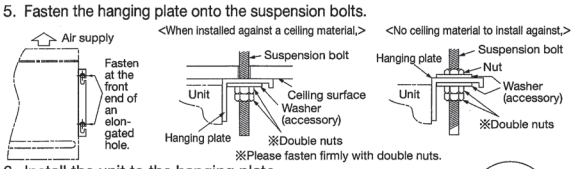
⑤Installation of indoor unit

Work procedure

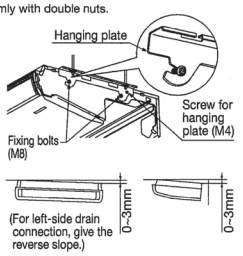
1. Select the suspension bolt locations and the pipe hole location.
   (1) Use enclosed paper pattern as a reference, and drill the holes for the suspension bolts and pipe.
   ※Decide the locations based on direct measurements.
   (2) Once the locations are properly placed, the paper pattern can be removed.
2. Install the suspension bolts in place.
3. Fix with 4 suspension bolts, which can endure load of 500N.
4. Check the measurements given at the right figure for the length of the suspension bolts.



5. Fasten the hanging plate onto the suspension bolts.



6. Install the unit to the hanging plate.
   (1) Slide the unit in from front side to get it hanged on the hanging plate with the bolts.
   (2) Fasten the four fixing bolts (M8: 2 each on the left and right sides) firmly.
   (3) Fasten the two screws (M4: 1 each on the left and right sides).



⚠**WARNINIG** : Hang a side panel on from the panel side to the rear side and then fasten it securely onto the indoor unit with screws.

※To ensure smooth drain flow, install the unit with a descending slope toward the drain outlet.

⚠ **CAUTION** : Do not give the reversed slope, which may cause water leaks.

⑥Refrigerant pipe

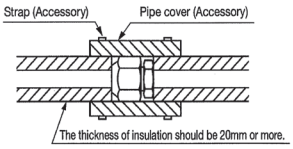
Caution

- Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  - Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  - Do not use thin-walled pipes.
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation. In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them. (Gas may come out at this time, but it is not abnormal.)
   - Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - Make sure to insulate both gas pipes and liquid pipes completely.
   ※Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

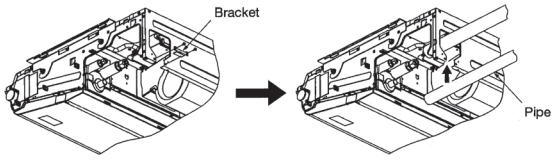
Pipe diameter	Tightening torque N·m
ø 6.35	14 to 18
ø 9.52	34 to 42
ø 12.7	49 to 61
ø 15.88	68 to 82
ø 19.05	100 to 120



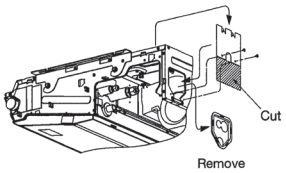
⑥Refrigerant pipe (continued)

The pipe can be connected from three different directions. (back, reight, top)

- When the pipe is routed through the back.
  If the bracket is removed, piping work will become easy.
  ※After piping, reinstall the removed bracket.



- When the pipe is routed through the back.
  Cut the removed top cover, and install to the rear panel instead of rear cover.



⑦Drain pipe

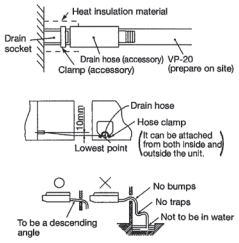
The drain pipes may face out towards the back to the left, or to the right side.

Caution

- Install the drain pipe according to the installation manual in order to drain properly. Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful andinflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

Work procedure

1. Insert drain hose completely to the base, and tighten the drain hose clamp securely. (adhesive must not be used.)
   ※When plumbing on the left side, move the rubber plug and the cylindrical insulating materials by the pipe connecting hole on the left side of the unit to the right side.



⚠Beware of a possible outflow of water that may occur upon removal of a drain plug.

2. Fix the drain hose at the lowest point with a hose clamp supplied as an accessory.
   ※Give a drain hose a gradient of 10mm as illustrated in the right drawing by laying it without leaving a slack.
   - Take head of electrical cables so that they may not run beneath the drain hose.

⚠A drain hose must be clamped down with a hose clamp. There is a possibility that drain water overflows.

3. Connect VP-20(prepare on site) to drain hose. (adhesive must not be used.)
   ※ Use commercially available rigid PVC general pipe VP-20 for drain pipe.
4. Do not to make the up-down bending and trap in the mid-way while assuming that the drain pipes is downhill. (more than 1/100)
   - Never set up air vent.
5. Insulate the drain pipe.
   - Insulate the drain hose clamp with the heat insulation supplied as accessories.
   - When the unit is installed in a humid place, consider precautions against dew condensation such as heat insulation for the drain pipe.

Drain test

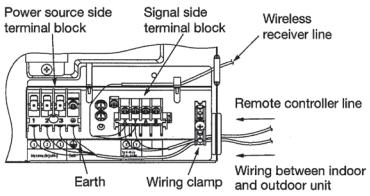
- After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan.
- Do drain test even if installation of heating season.

⑧Wiring-out position and wiring connection

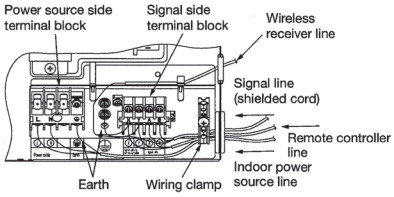
- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the electrical box (2 screws).
2. Hold each wiring inside the unit and connect to a terminal block surely.
3. Fix the wiring by clamps.
4. Install the removed parts back to original place.

Single split (PAC) series



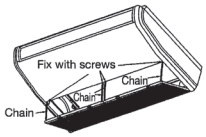
VRF(KX) series

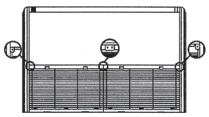


⑨Attaching the air return grille

- The air return grille must be attached when electrical cabling work is completed.

1. Fix the chains tied to the air return grille onto the indoor unit with screws supplied as accessories (4 pieces).
2. Close the air return grille.
   This completes the unit installtion work.





⑩Check list after installation

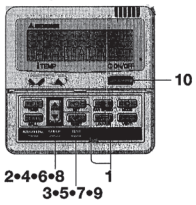
- Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

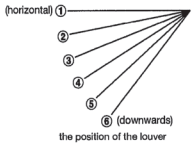
⑪How to set the airflow direction *1

It is possible to change the movable range of the louver on the air outlet from the wired remote controller. Once the top and bottom position is set, the louver will swing within the range between the top and the bottom when swing operation is chosen. It is also possible to apply different setting to each louver.

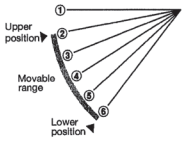
1. Stop the air conditioner and press SET button and LOUVER button simultaneously for three seconds or more.
   - The following is displayed if the number of the indoor units connected to the remote controller is one. Go to step 4.
     "DATA LOADING"
     ↓
     "No.1 ▲"
   - The following is displayed if the number of the indoor units connected to the remote controller are more than one.
     "SELECT I/U"
     ↓
     "I/U000 ▲"



2. Press ▲or▼button.(selection of indoor unit)●Select the indoor unit of which the louver is set.
   [EXAMPLE]
   "I/U000 ▲"⇔"I/U001 ⇕"⇔"I/U002 ⇕"⇔
   "I/U003 ⇕"
3. Press SET button.(determination of indoor unit) ●Selected indoor unit is fixed.
   [EXAMPLE]
   "I/U001" (displayed for two seconds)
   ↓
   "DATA LOADING"
   ↓
   "No.1 ▲"
4. Press▲or▼button.(selection of louver No.) ●Select the louver No. to be set according to the right figure.
   [EXAMPLE]
   "No.1 ▲"⇔"No.2 ⇕"⇔"No.3 ⇕"⇔
   "No.4 ▼"
5. Press SET button.(Determination of louver No.)
   ●The louver No. to be set is confirmed and the display shows the upper limit of the movable range.
   [EXAMPLE] If No.1 louver is selected,
   "No.1 UPPER2 ⇕" ←current upper limit position
6. Press▲or▼button.(selection of upper limit position)
   - Select the upper limit of louver movable range.
     "position 1" is the most horizontal, and "position 6" is the most downward.
     "position --" is to return to the factory setting.
     If you need to change the setting to the default setting, use "position --".
     "No.1 UPPER1 ▼" (the most horizotal)
     ⇔"No.1 UPPER2 ⇕"
     ⇔"No.1 UPPER3 ⇕"
     ⇔"No.1 UPPER4 ⇕"
     ⇔"No.1 UPPER5 ⇕"
     ⇔"No.1 UPPER6 ⇕" (the most downwards)
     ⇔"No.1 UPPER-- ▲" (return to the default setting)



7. Press SET button.(Fixing of the upper limit position)
   ●The upper limit position is fixed and the setting position is displayed for two seconds. Then proceed to lower limit position selection display.
   [EXAMPLE]
   No.1 UPPER2 (displayed for two seconds)
   ↓
   No.1 LOWER5 ⇕ (shows current setting)
8. Press ▲or ▼button.(Selection of lower limit position)
   - Select the lower limit position of louver.
     "position 1" is the most horizontal, and "position 6 "is the most downwards.
     "position --" is to return to the factory setting. If you need to change the setting to the default setting, use "position --".
     No.1 LOWER1 ▼ (the most horizontal)
     No.1 LOWER2 ⇕
     No.1 LOWER3 ⇕
     No.1 LOWER4 ⇕
     No.1 LOWER5 ⇕
     No.1 LOWER6 ⇕ (the most downwards)
     No.1 LOWER-- ▲ (return to the default setting)
9. Press SET button.(Fixing of the lower limit position)
   ●Upper limit position and lower limit position are fixed, and the set positions are displayed for two seconds, then setting is completed.
   - After the setting is completed, the louver which was set moves from the original position to the lower limit position, and goes back to the original position again. (This operation is not performed if the indoor unit and/or indoor unit fan is in operation.)
     [Example]
     No.1 U2 L6 (displayed for two seconds)
     SET COMPLETE
     No.1 ▲



10. Press ⏻ON/OFF button.
    ●Louver adjusting mode ends and returns to the original display. *2

Caution

If the upper limit position number and the lower limit position number are set to the same position, the louver is fixed at that position auto swing does not funtion.

ATTENTION

If you press RESET button during settings, the display will return to previous display.If you press ⏻ON/OFF button during settings, the mode will be ended and return to original display, and the settings that have not been completed will become invalid.

When plural remote controllers are connected, louver setting operation cannot be set by slave remote controller.

*1 This function is not able to be set with wireless remote controls or simple remote control (RCH-H3).
*2 For setting the swing range of other louvers, return to 1 and proceed same procedure respectively.

(I) Floor standing-2 way type (FDFW)

PGF012D004

①Before installation

- Install correctly according to the installation manual.
- Confirm the following points:
  - ○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

	Standard accessories (Installation kit)	Q'ty
①	Installation board (Attached to the rear of the indoor unit)	1
②	Tapping screws (for installation board ϕ4mm by 25mm)	9
③	Pipe cover (200mm)	1
④	Band	2

	Prepare on site (If neccessary)	Q'ty
a	Sealing plate	1
b	Sleeve	1
c	Inclination plate	1
d	Putty	1
e	Drain hose (extention hose)	1
f	Piping cover (for insulation of connection piping)	1

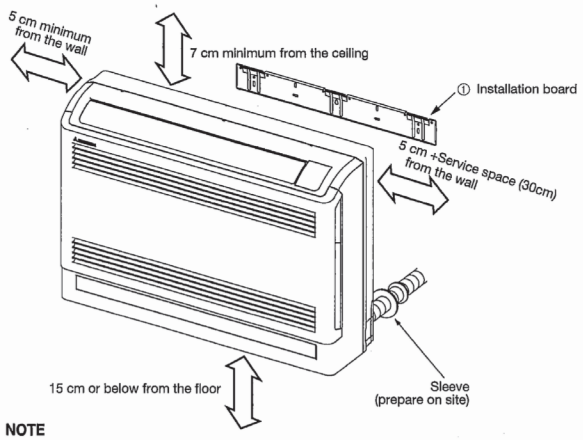
②Selection of installation location for the indoor unit

① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 23°C and relative humidity is lower than 80%.
  (This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.)
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)
- Areas where the unit or the wall will not vibarate.
- Install the indoor unit in front of flat wall.

② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

③ If there are 2 units of wireless type, keep them away for more than 6m to avoid malfunction due to cross communication.

Space for installation and service

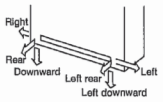


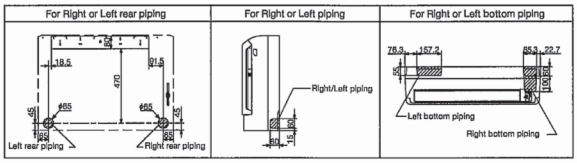
NOTE
In case the particular installation has relative humidity of 73% or higher, the operation mode may alternate between fan operation and cooling operation automatically in order to avoid dew formation on the indoor unit air supply port.

③Preparation before installation

Indoor unit piping direction

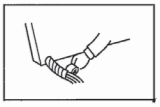
Piping is possible in the rear, left, left rear, left downward, right or downward direction.





Installing the support of piping

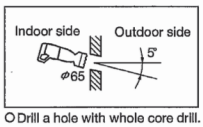
In case of piping in the right rear direction, tape the round of pipe and wiring.



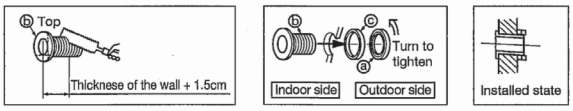
○Tape only the portion that goes through the wall.
○Always tape the wiring with the piping.

Drilling of holes and fixture of sleeve (Option parts)

When drilling the wall that contains a metal lath, wire lath or metal plate, be sure to use pipe hole sleeve sold separately.



○Drill a hole with whole core drill.



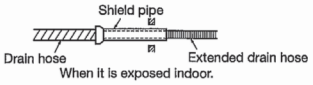
○In case of rear piping draw out, cut off the lower and the right side portions of the sleeve collar.

④Drain pipe

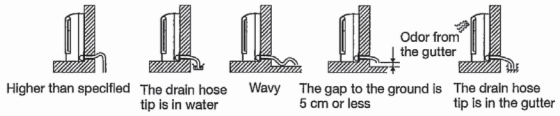
Caution

- Install the drain pipe according to the installation manual in order to drain properly. Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

1. A general-purpose hard PVC pipe VP-16 can be connected to the drain hose tip as a part of drain piping.
2. Drain piping must be given a descending grade so that drain water may flow smoothly and it must not have any trap or bump within the system.
   (The pipe can be routed through the left, right, rear or bottom of the unit)
   Hard PVC pipes (VP-16) laid indoors must be kept warm.
3. Pour water into the drain pan placed under the heat exchanger to make sure that it is properly drained outdoors.
   (For removal of the front panel, refer to ⑤installation of indoor unit.)
4. When the extended drain hose is through indoor, always use a shielded pipe (prepare on site) and ensure it is thermally insulated.



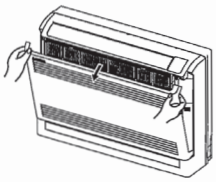
○Avoid the following drain piping.



⑤ Installation of indoor unit

Open and detachment of the air inlet panel

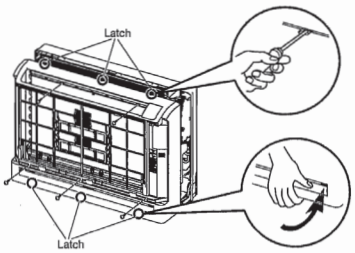
○To open, pull the panel at both ends of upper part and release latches, and undo the strings. Then remove the panel.



⚠ CAUTION :
When removing the air-inlet panel, be careful not to drop it on your feet.

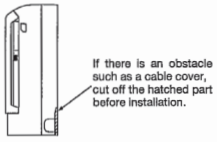
How to remove the front panel

① Remove the air inlet panel.
② Remove the 5 set screws.
③ Remove the 3 latches in the upper section.
If the latches are difficult to remove, push the latch portion out using a screw driver, for example.
④ Move the lower part of the panel forward and remove the 6 latches in the under section.



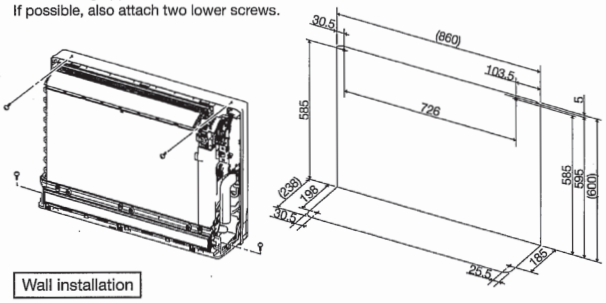
Fixing of indoor unit

⚠ CAUTION:
During the installation, do not lean on the control box or the display, as they may be damaged.
(Distortion on the wall shall be no larger than 3mm.)



Floor installation

Secure using upper 2 screws for floor installations.
If possible, also attach two lower screws.

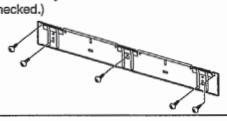


Wall installation

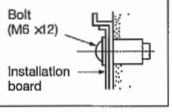
At first secure the installation board using 5 screws and the indoor unit using 2 screws.

1. Installation of installation board.

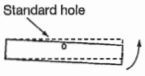
Look for the inside wall structures (Intersediats support or pillar and finally install the unit after level surface has been checked.)



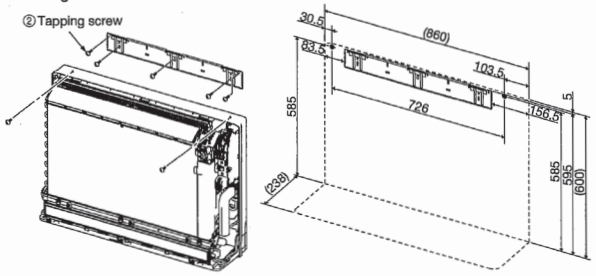
Fixing on concrete wall
Use of nut anchor



○Adjustment of the installation board in the horizontal direction is to be conducted with five screws in a temporary tightened state.
○Adjust so the board will be level by turning the board with the standard hole as the center.



2. Fixing of indoor unit



⑥ Refrigerant pipe

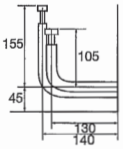
Caution

- Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  • Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  • Do not use thin-walled pipes.
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.
- Be careful not to stress the connecting refrigerant pipes. (Do not pull with a face of larger than 49N (5kg).)

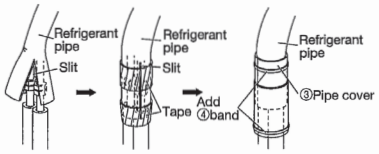
Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   (Gas may come out at this time, but it is not abnormal.)
   - Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※ Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※ Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - Make sure to insulate both gas pipes and liquid pipes completely.
   ※ Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

○ Pass the refrigerant pipe through the piping hole to indoor side.
Arrange the pipes according to the direction of piping.



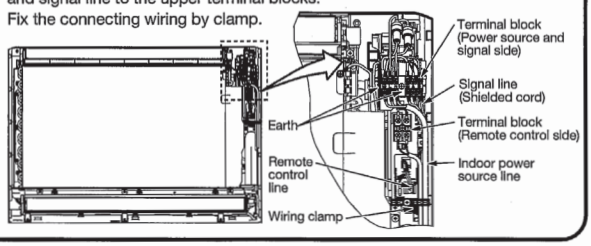
○ Cover the coupling with insulator and then cover it with tapes.
Use an attached ③ pipe cover for heat insulation.



⑦ Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

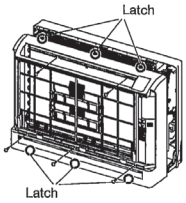
1. Remove the fixing screw of clamp.
2. Connect the remote control line to the lower terminal block placed on the control box.
3. Connect the power cable, grounding line and signal line to the upper terminal blocks.
4. Fix the connecting wiring by clamp.



⑧ How to fit the front panel

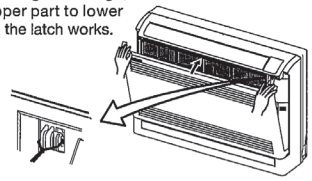
How to fit the front panel

○ Fitting
① Do remove the air filter.
② Cover the body with the front panel.
③ Fit the 6 latches in the lower section. then 3 latches in the upper section.
④ Tighten the 5 set screws.
⑤ Fit the air filter.
⑥ Fit the air inlet panel.



Close and attachment of the air inlet panel

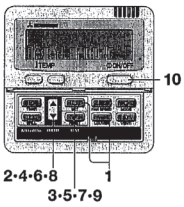
○ To close, attach the panel after pulling the strings, hold the panel at both ends of upper part to lower downward and push it slightly until the latch works.



⑨ How to set the airflow direction *1

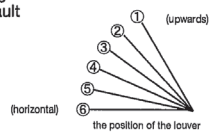
It is possible to change the movable range of the upper and lower louver on the air outlet from the wired remote controller. Once the top and bottom position is set, the louver will swing within the range between the top and the bottom when swing operation is chosen.

1. Stop the air conditioner and press SET button and LOUVER button simultaneously for three seconds or more.
   ●The following is displayed if the number of the indoor units connected to the remote controller is one. Go to step 4.
   "DATA LOADING "
   ↓
   "No.1 ▲"
   ●The following is displayed if the number of the indoor units connected to the remote controller are more than one.
   "SELECT I/U"
   ↓
   "I/U000 ▲"



2. Press ▲ or ▼ button. (selection of indoor unit) ●Select the indoor unit of which the louver is set.
   [EXAMPLE]
   "I/U000 ▲"⇔"I/U001 ⇕"⇔"I/U002 ⇕"⇔
   "I/U003 ⇕"
3. Press SET button. (determination of indoor unit) ●Selected indoor unit is fixed.
   [EXAMPLE]
   "I/U001 " (displayed for two seconds)
   ↓
   "DATA LOADING "
   ↓
   "No.1 ▲"
4. Press ▲ or ▼ button. (selection of louver No.) ●Select the louver No. to be set according to the below figure.
   [EXAMPLE]
   "No.1 ▲"⇔"No.2 ⇕"⇔"No.3 ⇕"⇔
   "No.4 ▼"
5. Press SET button. (Determination of louver No.)
   ●The louver No. to be set is confirmed and the display shows the upper limit of the movable range.
   [EXAMPLE] If No.2 louver is selected,
   "No.2UPPER2 ⇕" ←current upper limit position

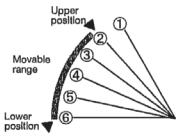
   For FDFW type, set louver No.2 (upper louver)
6. Press ▲ or ▼ button. (selection of upper limit position)
   ●Select the upper limit of louver movable range.
   "position 1" is the most upwards, and "position 6" is the most horizontal.
   "position --" is to return to the factory setting.
   If you need to change the setting to the default setting, use "position --".
   "No.2UPPER1 ▼" (the most upwards)
   ⇔"No.2UPPER2 ⇕"
   ⇔"No.2UPPER3 ⇕"
   ⇔"No.2UPPER4 ⇕"
   ⇔"No.2UPPER5 ⇕"
   ⇔"No.2UPPER6 ▲" (the most horizontal)
   ⇔"No.2UPPER-- ▲" (return to the default setting)



7. Press SET button. (Fixing of the upper limit position)
   ●The upper limit position is fixed and the setting position is displayed for two seconds. Then proceed to lower limit position selection display.
   [EXAMPLE]
   No.2UPPER2 (displayed for two seconds)
   ↓
   No.2LOWER5 ⇕ (shows current setting)
8. Press ▲ or ▼ button. (Selection of lower limit position)
   ●Select the lower limit position of louver.
   "position 1" is the most upwards, and "position 6 "is the most horizontal.
   "position --" is to return to the factory setting. If you need to change the setting to the default setting, use "position --".
   No.2LOWER1 ▼ (the most upwards)
   No.2LOWER2 ⇕
   No.2LOWER3 ⇕
   No.2LOWER4 ⇕
   No.2LOWER5 ⇕
   No.2LOWER6 ⇕ (the most horizontal)
   No.2LOWER-- ▲ (return to the default setting)

⑨ How to set the airflow direction

9. Press SET button. (Fixing of the lower limit position)
   ●Upper limit position and lower limit position are fixed, and the set positions are displayed for two seconds, then setting is completed.
   • After the setting is completed, the louver which was set moves from the original position to the lower limit position, and goes back to the original position again. (This operation is not performed if the indoor unit and/or indoor unit fan is in operation.)
   [Example]
   No.2U2 L6 (displayed for two seconds)
   SET COMPLETE
   No.2 ⇕



10. Press ON/OFF button.
    ●Louver adjusting mode ends and returns to the original display. *2

Caution
If the upper limit position number and the lower limit position number are set to the same position, the louver is fixed at that position auto swing does not funtion.

ATTENTION
If you press RESET button during settings, the display will return to previous display.
If you press ON/OFF button during settings, the mode will be ended and return to original display, and the settings that have not been completed will become invalid.

When plural remote controllers are connected, louver setting operation cannot be set by slave remote controller.

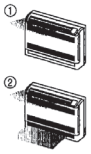
⑩ Airflow selection

It is possible to choose the combination of air flow from both upper and lower port or upper port only.

1. Stop the air conditioner.
2. Set the upper and lower limit position of the **louver No.1** (lower louver) from the wired remote control. For the method of changing the setting, refer to **⑨How to set the airflow direction**.

① In case of selecting upper airflow
Set the upper and lower limit position to UPPER 2 and LOWER 2.
(No.1 UPPER 2 / LOWER 2)

② In case of selecting upper and lower airflow **Defalut setting**
Set the upper and lower limit position to UPPER 5 and LOWER 5.
(No.1 UPPER 5 / LOWER 5)



ATTENTION
Other combinations of lower louver position are invalid.

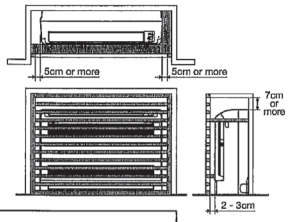
⑪ Concealed installation

Install the indoor unit according to the following instructions.

1. Be sure to keep the upper, right and left spaces according to the below figure.
2. Do not apply fine pitched lattice to conceal the unit.
3. The lattice should have the open rate of 70% or greater.
4. For changing the airflow direction to horizontal, set the upper limit position of the **louver No.2** (upper louver) as below from the wired remote control. For the method of changing the setting, refer to **⑨ How to set the airflow direction**.

Setting of louver No. 2

	Default setting	Concealed installation
Upper limit	Position 1	Position 3
Lower limit	Position 5	Position 5



⚠CAUTION
Incorrect installation may cause problems such as non-cooling, non-warming, and condensation water leaking into the room.

⑫ Check list after installation

●Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacit	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

*1 This function is not able to be set with wireless remote controls or simple remote control (RCH-H3).
*2 For setting the swing range of other louvers, return to 1 and proceed same procedure respectively.

(m) Floor standing (with casing) type (FDFL)

PGD012D009

① Before installation

- Install correctly according to the installation manual.
- Confirm the following points:
  - ○ Unit type/Power supply specification ○ Pipes/Wires/Small parts ○ Accessory items

Accessory item

For installation		For refrigerant pipe					For drain pipe
Floor bracket	Tapping screw	Pipe cover	Pipe cover		Strap	Joint pipe	Drain hose
2	2	2	1	1	8	1	1
	For installing remote controller (M4 x l 12)	For heat insulation of gas pipe	For on site side of liquid pipe (150 mm length)	For liquid pipe between Heat exchanger/ expansion valve box(70 mm length)	For pipe cover fixing	For connecting gas pipe	For drain pipe connecting

② Selection of installation location for the indoor unit

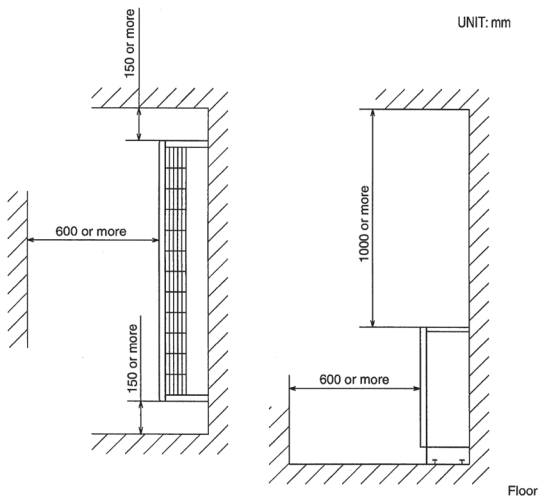
This indoor unit can be installed either to the floor or to the wall. Select a location with the following suitable conditions.

① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 23°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
  If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause the unit falling down and injury.

③ When plural indoor units are installed nearby, keep them away for more than 4 to 5m.

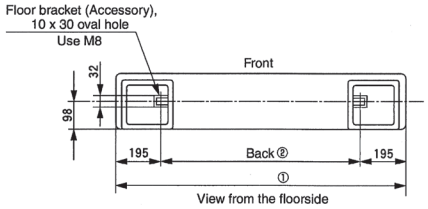
Space for installation and service



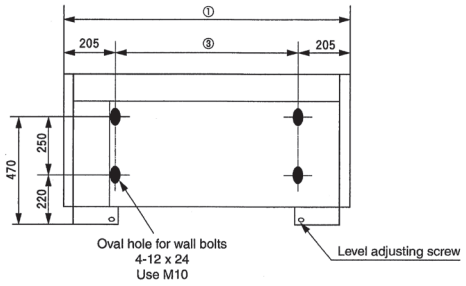
③ Preparation before installation

Position of bolts for floor bracket and for wall installation bolts

Position of floor bracket bolts

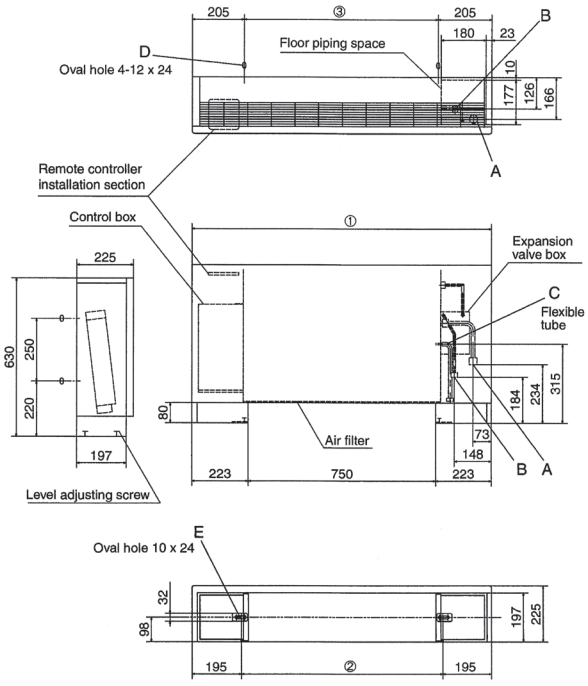


Position of wall installation bolts



UNIT:mm

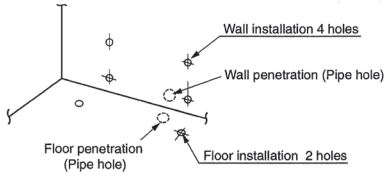
Model No. \ Item	①	②	③
Type 28,45,56	1,196	806	786
Type 71	1,481	1,091	1,071



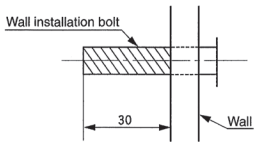
Symbol	Contents
A	Refrigerant gas side piping (provided)
B	Refrigerant liquid side piping
C	Drain piping (provided)
D	Wall installation hole
E	Floor bracket (provided)

④ Installation of indoor unit

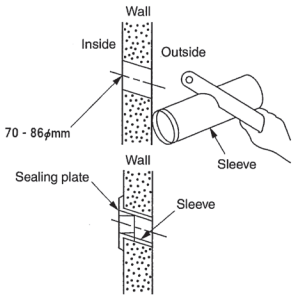
Choose the floor bracket bolt location or the wall installation bolt location, and the location of the pipe hole. Open the holes for the bolts and the pipe.
Choose the positions by the measured values.



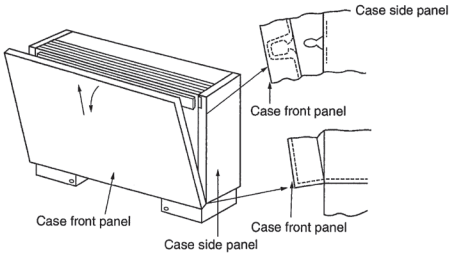
Strictly adhere to the following measurements for the wall installation bolts.

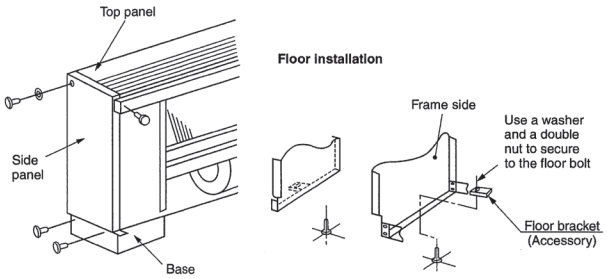


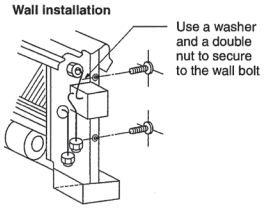
Here is the method to drill the holes on the wall.



(1) Remove the front panel and the side panel.
(2) Eliminate looseness with a level adjusting screw.
(3) Firmly secure as instructed below.
The side panel and the front panel have been installed.







⑤ Refrigerant piping

Caution

- Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  - Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  - Do not use thin-walled pipes.
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe.
  Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.

Work procedure

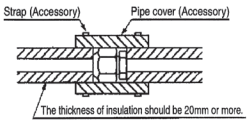
1. Remove the flare nut and blind flanges on the pipe of the indoor unit. (The connection of Liquid/Gas side of heat exchange, Inlet/outlet of the expansion valve box) (4 places)
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them. (Gas may come out at this time, but it is not abnormal.)
   - Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)

2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ○ Make sure to connect the liquid pipe between the heat exchanger and expansion valuve box (indicated in Section A of the figure).
   ○ Pipes can be take out in 2 directions, from the rear and from the floor.
   ○ Use the provided joint pipes to connect gas pipes. Connect in the direction that the pipe will be removed.
   ※ Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※ Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.

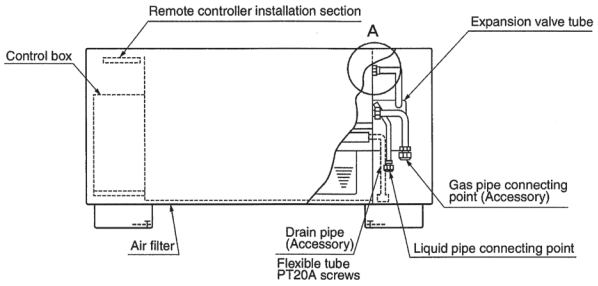
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - Make sure to insulate both gas pipes and liquid pipes completely.
     ※ Incomplete insulation may cause dew condensation or water dropping.

4. Refrigerant is charged in the outdoor unit
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 to 18
ϕ 9.52	34 to 42
ϕ 12.7	49 to 61
ϕ 15.88	68 to 82
ϕ 19.05	100 to 120



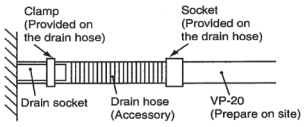
○ There are "System name" and "Refrigerant amount" columns on the name plate of the outdoor unit. Write the system name and the amount of the refrigerant in the columns.



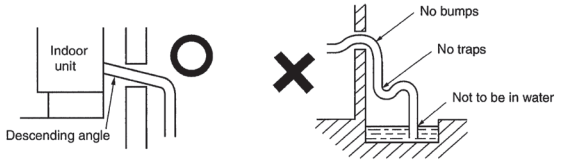
⑥ Drain pipe

Caution

Insert the attached drain hose to the indoor unit completely, tighten the drain hose with the attached clamp and secure it well.(Disapprove of the adhesive joint)



- Install the drain pipe according to the installation manual in order to drain properly. Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.
- Insert the attached drain hose completely to the base.
- Tighten the drain hose with the strap and secure it well.



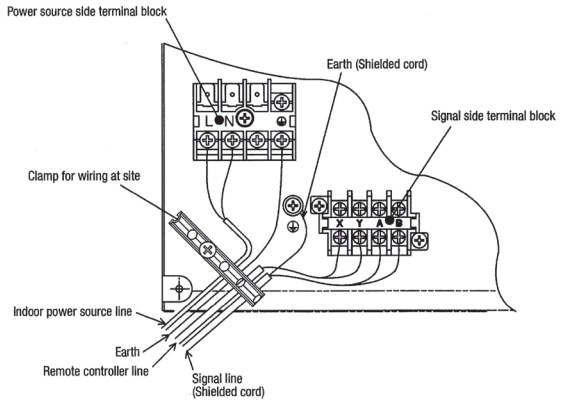
Drain test

- After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan.
- Do drain test even if installation of heating season.

⑦ Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country. Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (2 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.

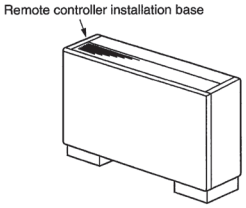


⑧ Remote Controller

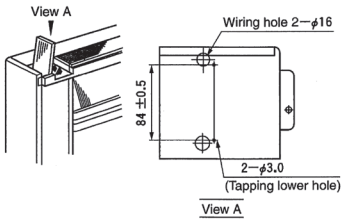
Caution

- Appearance

When installing the remote controller and selecting the line of remote controller of the unit, refer to the Electric Wiring Instruction Manual provided in the unit and Installation Manual provided for wired remote controller.

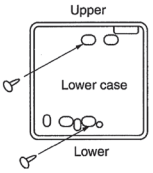


(1) Remove the front panel



(2) Installation of remote controller

- Install the lower case with the provided tapping screws (M4 x 12)

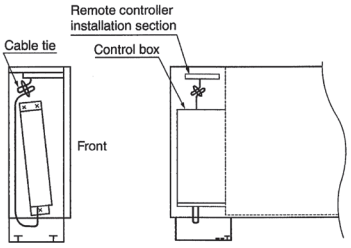


(3) Caution for Installing the remote controller

- Make sure that the cord length is too much long 30 cm or more.
  (It is necessary when remove the front panel and servicing the unit.)

(4) Wiring route

- Connect wires to the terminal block through the wiring hole on the back of the control box.
- Bind the remaining length of the wire with a band.



(Check)

- Ensure that the wires are not hitting the edges.
- Conduct a test run to confirm there are no problems.

⑨Check list after installation

●Check the following items after all installation work completed.

Check if;	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

(n) Floor standing (without casing) type (FDFU)

PGD012D010

① Before installation

- Install correctly according to the installation manual.
- Confirm the following points:
  - ○ Unit type/Power supply specification ○ Pipes/Wires/Small parts ○ Accessory items

Accessory item

For installation	For refrigerant pipe					For drain pipe
Floor bracket	Pipe cover	Pipe cover		Strap	Joint pipe	Drain hose
2	2	1	1	8	1	1
	For heat insulation of gas pipe	For on site side of liquid pipe (150 mm length)	For liquid pipe between Heat exchanger/ expansion valve box(70 mm length)	For pipe cover fixing	For connecting gas pipe	For drain pipe connecting

② Selection of installation location for the indoor unit

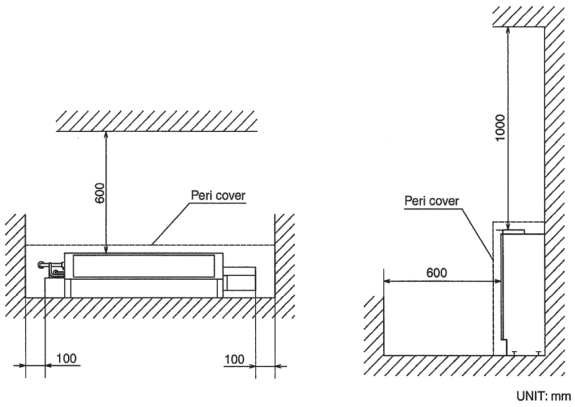
This indoor unit can be installed either to the floor or to the wall. Select a location with the following suitable conditions.

① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 23°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
  If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause the unit falling down and injury.

③ When plural indoor units are installed nearby, keep them away for more than 4 to 5m.

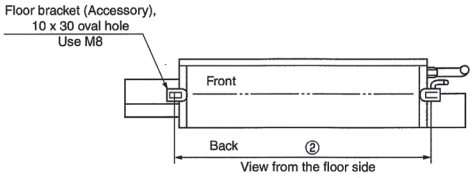
Installation spaces for the indoor unit



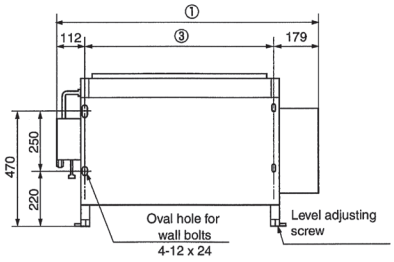
③ Preparation before installation

Position of bolts for floor bracket and for wall installation bolts

Position of floor bracket bolts

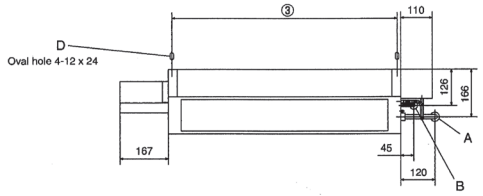


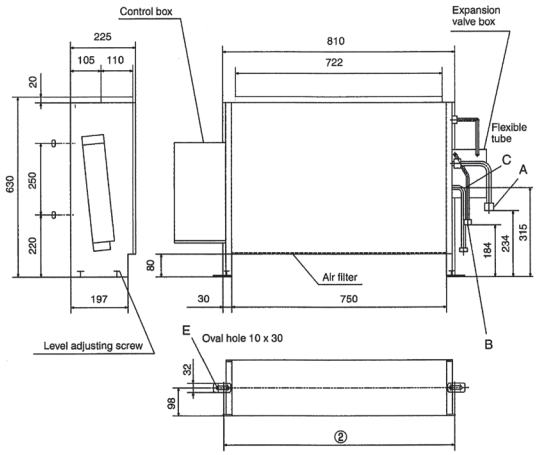
Position of wall installation bolts



UNIT:mm

Model No. \ Item	①	②	③
Type 28,45,56	1,150	806	786
Type 71	1,435	1,091	1,071

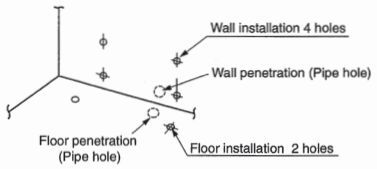




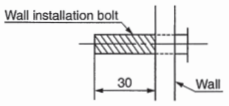
Symbol	Contents
A	Refrigerant gas side piping (provided)
B	Refrigerant liquid side piping
C	Drain piping (provided)
D	Wall installation hole
E	Floor bracket (provided)

④ Installation of indoor unit

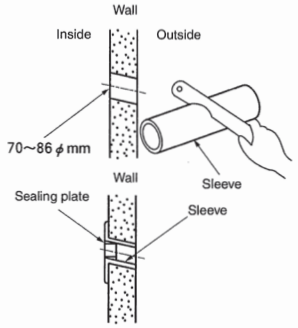
Choose the floor bracket bolt location or the wall installation bolt location, and the location of the pipe hole. Open the holes for the bolts and the pipe.
Choose the positions by the measured values.



Strictly adhere to the following measurements for the wall installation bolts.

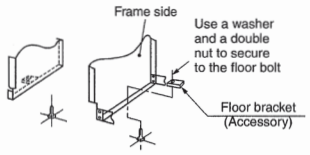


Here is the method to drill the holes on the wall.

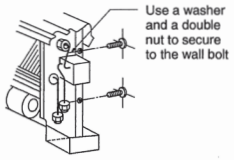


(1) Eliminate looseness with a level adjusting screw.
(2) Firmly secure as instructed below.

Floor installation

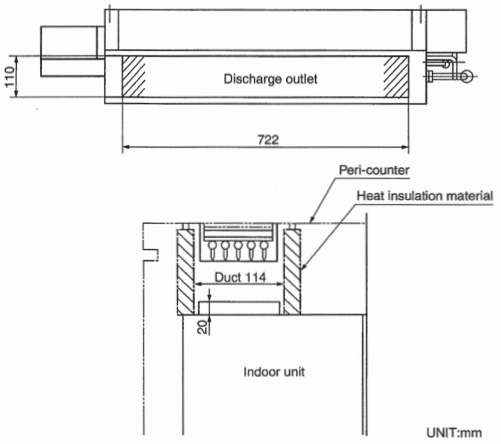


Wall installation



Example of discharge duct installation

○ Heat insulation materials, a discharge grille and a peri-counter are not included in the items supplied with a unit (to be prepared on site)
○ A duct must be installed securely so that cooled air may not leak inside the peri-counter.



⑤ Refrigerant piping

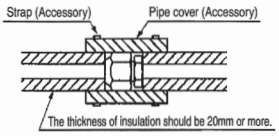
Caution

- Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  - Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  - Do not use thin-walled pipes.
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe.
  Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.

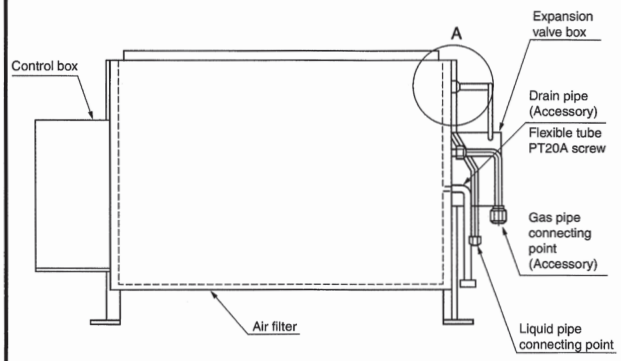
Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit. (The connection of Liquid/Gas side of heat exchange, Inlet/outlet of the expansion valve box) (4 places)
   ※Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them. (Gas may come out at this time, but it is not abnormal.)
   - Pay attention whether the flare nut pops out (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ○ Make sure to connect the liquid pipe between the heat exchanger and expansion valuve box (indicated in Section A of the figure).
   ○ Pipes can be take out in 2 directions, from the rear and from the floor.
   ○ Use the provided joint pipes to connect gas pipes. Connect in the direction that the pipe will be removed.
   ※Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - Make sure to insulate both gas pipes and liquid pipes completely.
     ※Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 to 18
ϕ 9.52	34 to 42
ϕ 12.7	49 to 61
ϕ 15.88	68 to 82
ϕ 19.05	100 to 120



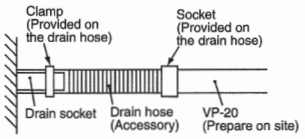
○ There are "System name" and "Refrigerant amount" columns on the name plate of the outdoor unit. Write the system name and the amount of the refrigerant in the columns.



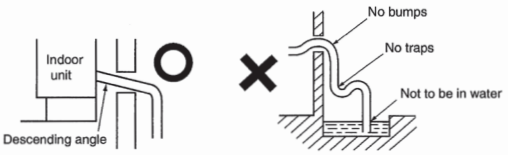
⑥ Drain pipe

Caution

Insert the attached drain hose to the indoor unit completely, tighten the drain hose with the attached clamp and secure it well.(Disapprove of the adhesive joint)



- Install the drain pipe according to the installation manual in order to drain properly. Imperfection in draining may cause flood indoors and wetting the household goods etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.
- Insert the attached drain hose completely to the base.
- Tighten the drain hose with the strap and secure it well.



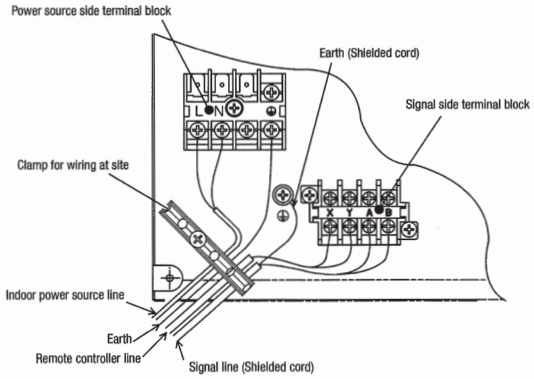
Drain test

- After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan.
- Do drain test even if installation of heating season.

⑦ Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country. Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (2 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.



⑧ Check list after installation

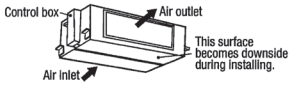
●Check the following items after all installation work completed.

Check if;	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

(o) Outdoor air processing unit type (FDU-F)

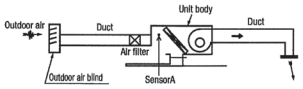
PJD012D059

○ This model is high static ducted type air conditioning unit. Therefore, do not use this model for direct blow type air conditioning unit.



(1) Cautions for the handling and installation place of outdoor air processing unit

①This unit monitors the outdoor air temperature at the position of sensor A in the figure, and controls the start and stop with the thermostat based on the value of sensor A and the setting temperature by the remote controller.



Remote controller's setting temperature indicates the outdoor air temperature that controls the start and stop of operation by the thermostat.
When the thermostat is turned off, the operation is changed to the fan mode so that the outdoor air is blown out directly into the room. For example if the remote controller is set to 22°C in cooling operation, and if the outdoor air temperature is 22°C or lower at that time, the unit will go into fan operation.

②When there is a difference between the air conditioning temperature in the room during cooling operation and the temperature of air blown out from the outdoor air processing unit, dewing water may drip from the unit. To prevent the dewing, provide a sufficient heat insulation means at the air blow outlet.

③Since the air blow outlet on the outdoor air processing unit may blow out the outdoor air directly, orient the outlet in such a way that it will not blow air directly to persons in the room.

④Since the unit controls the thermostat start and stop by monitoring the outdoor air temperature, it is prohibited to monitor the room temperature by means of the room temperature monitoring by changing the thermostat setting at the remote controller side and the optional remote thermistor. Otherwise, dewing water may drip from the unit at lower outdoor air temperatures during cooling operation.

⑤Install the remote controller of the outdoor air processing unit at a place closer to the administrator to avoid the end user from using the remote controller.

When handing over the unit to the end user, make sure to explain sufficiently about the foregoing cautions, the installation place of the remote controller for the outdoor air processing unit and the position of air blow outlet.

(2) Before installation

●Install correctly according to the installation manual.

●Confirm the following points:

○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

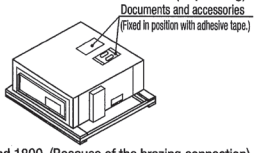
① For drain piping

1	Hose clamp	1pc	For drain hose

② For insulation of flare nut section (Models 500, 850 only)

1	Pipe cover (large)	1pc	For gas side
2	Pipe cover (small)	1pc	For liquid side
3	Band	4pc	

Location of accessories (At packing)



＊NOTE : Items 1 to 3 are not provided on Models 1300 and 1800. (Because of the brazing connection)

(3) Selection of installation location for the indoor unit

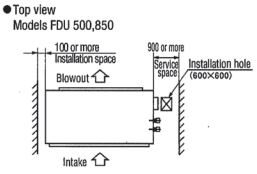
① Select the suitable areas to install the unit under approval of the user.

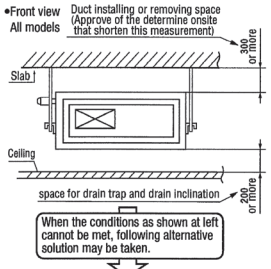
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above. If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation. (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)
- When operating the suction air processing unit independently, it operates in the outdoor air processing mode. Blowout temperatures are not same at the standard unit operation and the outdoor air processing mode operations. Since the temperatures become higher during cooling or lower during heating, take care of the direction of blowout outlet. Avoid directing the blowout outlet to the space where people are present.

② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

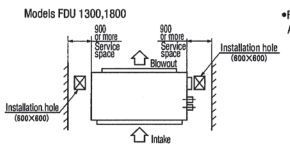
Space for installation and service

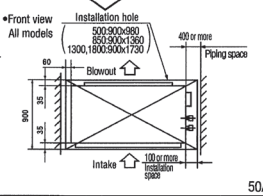
●Make installation altitude over 2.5m.





(3) Selection of installation location for the indoor unit (Continued)





Air conditions, limitation of air volume

50/60HZ

Model \ Item	Air volume (m³/min)	Air volume (m³/h)	Indoor unit outdoor air temperature
FDU500FKXE6 D	8.5/8.5	510/510	Cooling 20°CDB~40°CDB (32°CWB) Heating −10°CDB~24°CDB (Outdoor unit KXE6, 6D) 0°CDB~24°CDB (Outdoor unit KXE4)
FDU850FKXE6 D	14.0/14.5	840/870	
FDU1300FKXE6 D	22.0/21.5	1320/1290	
FDU1800FKXE6 D	30.0/30.0	1800/1800	

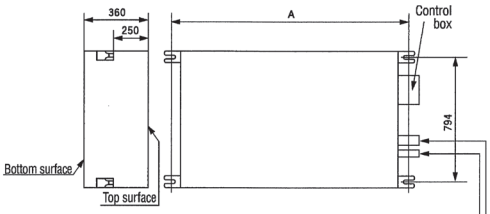
(4) Preparation before installation

●If suspension bolt becomes longer, do reinforcement of earthquake resistant.

○For grid ceiling
When the suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.

○In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.

●Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.



Unit : mm

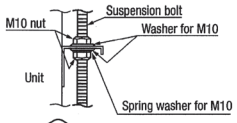
Model \ Item	A
FDU 500 FKXE 6 D	890
FDU 850 FKXE 6 D	1270
FDU 1300,1800 FKXE 6 D	1640

(5) Installation of indoor unit

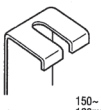
Installation

[Hanging]

○Hang the unit up.

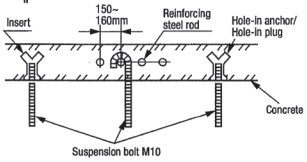


○If the measurements between the unit and the ceiling hole do not match upon installation, it may be adjusted with the long holed installation tool.



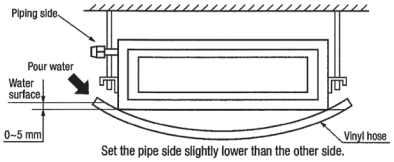
[Method for Fixing the Suspension Bolt]

○Secure the suspension bolt with one of the methods shown in the following illustration.



Horizontal Adjustment

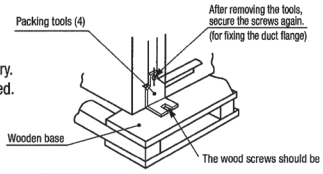
○Use a level vial or adjust the level as shown in the following illustration.



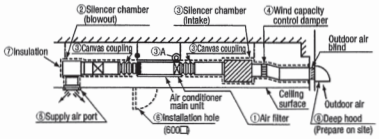
Set the pipe side slightly lower than the other side.

○If it is not horizontal, the float switch malfunctions or does not function.

(Packing Tools)
The packing tools (4) are not necessary.
Packing tools (4) should be removed.



(6) Duct work



① Air filter is not installed in the main unit of air conditioner. The air filter must be installed at the suction side, where it is nearest to the unit.

② Silencer chamber may be necessary depending on the noise level allowed in the room where the air conditioner is installed.
Additional silencer may be necessary where a particularly low noise is required.
(Provision of silencer is a must at offices and a meeting room.)

③ In order not to transmit vibration from the main unit of air conditioner to the ceiling or slab, it is necessary to provide means to prevent vibration, for example, a canvas coupling on the duct or rubber cushion on the main unit of air conditioner.

④ A damper to control air volume should be installed on the joint of outdoor air duct to facilitate control of air capacity after the installation.

⑤ Location and from of blow outlet should be selected so that air from the outlet will be distributed all over the room, and equipped with a device to control air volume.

⑥ Make sure to provide an inspection hole on the ceiling. It is indispensable to service electric equipment, motor, functional components and cleaning of heat exchanger.

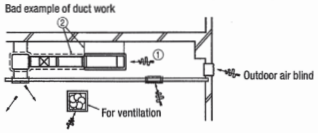
⑦ Make sure to insulate the duct to prevent dewing on it.
Thickness of insulating material is 65 mm minimum.
*1 When operating the outdoor air processing unit independently, it operates in the external regulator mode.
Blowout temperatures are not same at the standard unit operation and the external regulator mode operations.
Since the temperatures become higher during cooling or lower during heating, take care of the direction of blowout outlet.
Avoid directing the blowout outlet to the space where people are present.
*2 Since the model is of the outdoor air suction specification, the indoor duct may be cooled and generate condensation when the outdoor air is at low temperatures.
Condensation may occur also when highly humid outdoor air is cooled by the indoor air.
Positive insulation should be provided same as the duct at the blowout side.

⑧ It is recommended to install the deep hood at the suction inlet on the external wall in order to prevent direct entry of eddies of wind around high buildings, rain, etc.

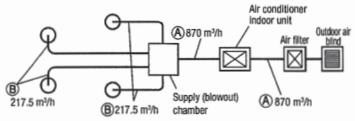
Bad example of duct work

① If a duct is not provided at the return air side but it is substituted with the space over the ceiling, humidity in the space will increase by the influence of capacity of ventilation fan, strength of wind blowing against the outdoor air louver, weather (rainy day) and others.
a) Moisture in air is likely to condense over the external plates of the unit and to drip on the ceiling. Unit should be operated under the conditions as listed in the above table and within the limitation of wind volume. When the building is a concrete structure, especially immediately after the construction, humidity tends to rise even if the space over the ceiling is not substituted in place of a duct. In such occasion, it is necessary to insulate the entire unit with glass wool (25 mm). (Use a wire net or equivalent to hold the glass wool in place.)
b) It may run out the allowable limit of unit operation (Example: When outdoor air temperature is 35°C DB, return air temperature is 24°C WB) and it could result in such troubles as compressor overload, etc.
c) There is a possibility that the blow air volume may exceed the allowable range of operation due to the capacity of ventilation fan or strength of wind blowing against external air louver so that drainage from be heat exchanger may fall to reach the drain pan but leak outside (Example: drip on to the ceiling) with consequential water leakage in the room.

② If vibration damping is not conducted between the unit and the duct, and between the unit and the slab, vibration will be transmitted to the duct and vibration noise may occur. Also, vibration may be transmitted from the unit to the slab. Vibration damping must be performed.



<Simplified method for determination of duct dimensions>
In the following method, it is assumed that the friction resistance per unit length of duct is 1Pa/m (0.1 mmAq/m) and a side of duct is 250 mm. Air volume rating is assumed be FDU850FKXE6.



	Air volume	Duct (mm x mm)
Section Ⓐ	870 m³/h (14.5 m³/min)	250 x 250
Section Ⓑ	217.5 m³/h (3.625 m³/min)	250 x 100

○Calculation of duct resistance
(Use following simplified calculations.)

Linear pipe section	Calculate based on 1Pa per 1 m in length 1Pa/m.
Curved pipe section	Take a curved section as equivalent to 3~4 m in straight line.
Blowout section	Calculate based on 25Pa.
Chamber	Calculate by taking 1 pc, as 50Pa.
Air filter	Calculate by taking 1 pc, as 20Pa.
Outdoor air blind	Calculate by taking 1 pc, as 20Pa.

<Table of simplified selection of duct dimensions> 1Pa/m

Duct form / Item / Air volume	Square duct Dimensions
m³/h (m³/min)	(mm×mm)
100	250 × 60
200	250 × 90
Section Ⓑ ● 217.5 (3.625)	250 × 100
300	250 × 120
400	250 × 140
435	250 × 150
500	250 × 170
600 (10)	250 × 190
800	250 × 230
Section Ⓐ ● 870 (14.5)	250 × 250
1,000	250 × 270
1,200 (20)	250 × 310
1,400	250 × 350
1,600	250 × 390
1,800 (30)	250 × 430
2,000	250 × 470

(7) Refrigerant pipe

Caution

● Use the new refrigerant pipe.
When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
• Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
• Do not use thin-walled pipes.

● Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.

● Do not use any refrigerant other than R410A.
Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.

● Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.

● Use special tools for R410 refrigerant.

● The indoor unit pipes allow the maintenance panel to be removed. Therefore, regardless of the piping direction, there should be a straight section of 400 mm or more.

Work procedure (A case of flare connection) Type 500, 850

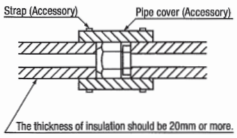
① Remove the flare nut and blind flanges on the pipe of the indoor unit.
* Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
(Gas may come out at this time, but it is not abnormal.)
• Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)

② Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
* Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
* Do a flare connection as follows:
a) Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
b) When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.

③ Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
• Make sure to insulate both gas pipes and liquid pipes completely.
* Incomplete insulation may cause dew condensation or water dropping.

④ Refrigerant is charged in the outdoor unit.
As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 9.52	34 to 42
ϕ 15.88	68 to 82



Work procedure (A case of braze) Type 1300, 1800

1. When brazing work, perform it while cool down around the brazing port with wet towels to prevent the overheating.
2. After check the gas leak test, install the heat insulation (prepare on site) to the brazing port of the indoor unit.
●Be sure to perform the heat insulation both of gas side piping with liquid side piping.
※If heat insulation does not install to the pipes, dew condensation may occurs and it may cause the water leakage.
The thickness of the heat insulation should be more than 20mm.
3. Refrigerant is charged in the outdoor unit.
As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Type 1300	Liquid piping	ϕ 9.52	Brazing
	Gas piping	ϕ 19.05	Brazing
Type 1800	Liquid piping	ϕ 9.52	Brazing
	Gas piping	ϕ 22.22	Brazing

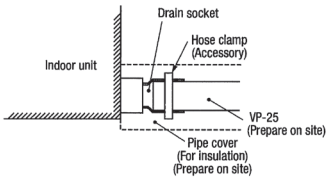
(8) Drain pipe

Caution

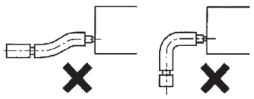
- Install the drain pipe according to the installation manual in order to drain properly. Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

Work procedure

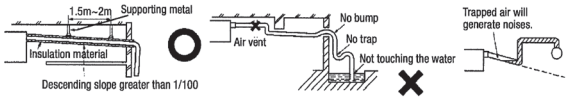
1. Insert the supplied drain hose (the end made of soft PVC) to the step of the drain socket on the indoor unit and fix it securely with the clamp.
   ●Do not apply adhesives on this end.



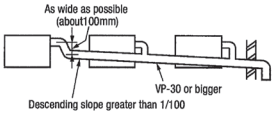
2. Prepare a joint for connecting VP-25 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-25 pipe (prepare on site).
   ※As for drain pipe, apply VP-25 made of rigid PVC which is on the market.
   - Make sure that the adhesive will not get into the supplied drain hose. It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - The flexible drain hose is intended to absorb a small difference at installation of the unit or drain pipes. Intentional bending, expanding may cause the flexible hose broken and water leakage.



3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   ●Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   ●Do not set up air vent.



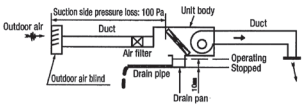
●When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.



4. Insulate the drain pipe.
   - Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※ After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

Caution

When the duct is connected and the blowing device is operated, the pressure inside the unit becomes negative to the atmospheric pressure.

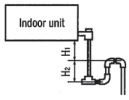


Example: As shown in the above illustration, if the pressure loss of the suction grill, air filter, and the suction side of the duct is 100 Pa, the drain water level during operation is 10mm higher than when it is not operating.

(8) Drain pipe (continued)

Fixing Traps

The pressure loss varies depending on the clogging in the air filter. Therefore, make one trap (during the piping work) to prevent water from remaining in the drain pan. It is necessary to make a trap with a structure that allows cleaning. Use the T joint as demonstrated in the left illustration. Also, set the trap height as shown in the left illustration. Arrange the trap near to the unit.



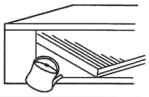
●Make one trap along the drain pipe as the left illustration.

H1 = 100 mm or the static pressure of the blowing device
H2 = 1/2 H1 or 50 ~ 100 mm

Drain test

Upon completion of drain piping, check by running water through it.

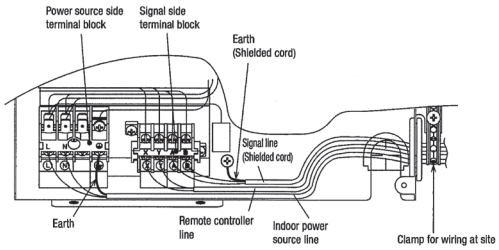
○Remove the side panel and gradually pour 1000 cc of water into the drain pan. Ensure that the water drains smoothly.
Also, ensure that there are no water leaks from the connections and joints.



(9) Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (2 screws) and a hook which is located on top of it.
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.



(10) Check list after installation

●Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

3.2 Electric wiring work instruction

PSC012D001 a

(a) Models FDT, TDTC, FDTW, FDTQ, FDUM, FDUH, FDU224, 280, FDK, FDE, FDFW, FDFL, FDFU, FDU-F

Electrical wiring work must be performed by an electrician qualified by a local power provider according to the electrical installation technical standards and interior wiring regulations applicable to the installation site.

Security instructions

- **Read the "SAFETY PRECAUTIONS" carefully first of all and then strictly follow it during the installation work in order to protect yourself.**
- **The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION .**
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- **The meanings of "Marks" used here are as shown on the right:**
  ⃠ Never do it under any circumstances. | ❗ Always do it according to the instruction.
- **Accord with following items. Otherwise, there will be the risks of electric shock and fire caused by overheating or short circuit.**

⚠ WARNING

- **Be sure to have the electrical wiring work done by qualified electrical installer, and use exclusive circuit.** ❗
  Power source with insufficient capacity and improper work can cause electric shock and fire.
- **Use specified wire for electrical wiring, fasten the wiring to the terminal securely, and hold the cable securely in order not to apply unexpected stress on the terminal.** ❗
  Loose connections or hold could result in abnormal heat generation or fire.
- **Arrange the electrical wires in the control box properly to prevent them from rising. Fit the lid of the services panel property.** ❗
  Improper fitting may cause abnormal heat and fire.
- **Use the genuine optional parts. And installation should be performed by a specialist.** ❗
  If you install the unit by yourself, it could cause water leakage, electric shock and fire.
- **Do not repair by yourself. And consult with the dealer about repair.** ⃠
  Improper repair may cause water leakage, electric shock or fire.
- **Consult the dealer or a specialist about removal of the air conditioner.** ❗
  Improper installation may cause water leakage, electric shock or fire.
- **Turn off the power source during servicing or inspection work.** ❗
  If the power is supplied during servicing or inspection work, it could cause electric shock and injury by the operating fan.
- **Shut off the power before electrical wiring work.** ❗
  It could cause electric shock, unit failure and improper running.

⚠ CAUTION

- **Perform earth wiring surely.**
  Do not connect the earth wiring to the gas pipe, water pipe, lightning rod and telephone earth wiring. Improper earth could cause unit failure and electric shock due to a short circuit.
- **Earth leakage breaker must be installed.** ❗
  If the earth leakage breaker is not installed, it can cause electric shocks.
- **Make sure to install earth leakage breaker on power source line. (countermeasure thing to high harmonics.)** ❗
  Absence of breaker could cause electric shock.
- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.** ❗
  Using the incorrect one could cause the system failure and fire.
- **Do not use any materials other than a fuse of correct capacity where a fuse should be used.** ⃠
  Connecting the circuit by wire or copper wire could cause unit failure and fire.
- **Use power source line of correct capacity.** ❗
  Using incorrect capacity one could cause electric leak, abnormal heat generation and fire.
- **Do not mingle solid cord and stranded cord on power source and signal side terminal block.** ⃠
  In addition, do not mingle difference capacity solid or stranded cord.
  Inappropriate cord setting could cause loosing screw on terminal block, bad electrical contact, smoke and fire.
- **Do not turn off the power source immediately after stopping the operation.** ⃠
  Be sure to wait for more than 5 minutes. Otherwise it could cause water leakage or breakdown.
- **Do not control the operation with the circuit breaker.** ⃠
  It could cause fire or water leakage. In addition, the fan may start operation unexpectedly and it may cause injury.

Control mode switching

- The control content of indoor units can be switched in following way.
  (▭ is the default setting)

Switch No.	control content	
SW1	Indoor unit address (tens place)	
SW2	Indoor unit address (ones place)	
SW3	Outdoor unit address (tens place)	
SW4	Outdoor unit address (ones place)	
SW5－1	ON	Fixed previous version of Super Link protocol
	OFF	Automatic adjustment of Super Link protocol
SW5－2	Indoor unit address (hundreds place)	
SW6－1 ~ 4	Model capacity setting	
SW7－1	ON	Operation check, Drain motor test run
	OFF	Normal operation

① Electrical Wiring Connection

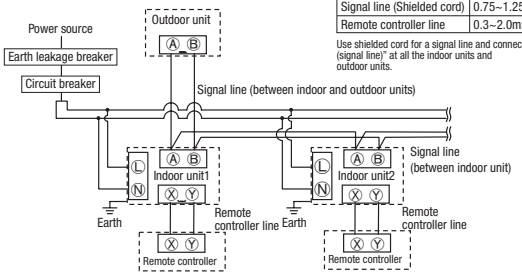
- Electrical wiring work must be performed by an electrician an qualified by a local power provider. These wiring specifications are determined on the assumption that the following instructions are observed:
  ① Do not use cords other than copper ones.
  Do not use any supply line lighter than one specified in parentheses for each type below.
  –braided cord (code designation 60245 IEC 51), if allowed in the relevant part 2;
  –ordinary tough rubber sheathed cord (code designation 60245 IEC 53);
  –flat twin tinsel cord (code designation 60227 IEC 41);
  –ordinary polyvinyl chloride sheathed cord (code designation 60227 IEC 53);
  ② Provide a separate power outlet for each outdoor or indoor unit.
  ③ All indoor units grouped in one system must have power source that can be turned on or off simultaneously.
  ④ Pay extra attention so as not to confuse signal line and power source line connection, because an error in their connection can be burn all the boards at once.
- Screw the line to terminal block without any looseness, certainly.
- Do not turn on the switch of power source, before all of line work is done.
- Provide a dedicated branching circuit and never share a branching circuit with other equipment. If shared, disconnection at the circuit breaker may occur, which can cause secondary damage.
- Install an over-current and earth leakage breaker (threshold current: 30mA) specified for each unit without fail.
- Set earth of D-type.
- Do not connect the power source line [220V/240V/380V/415V] to signal side terminal block. Otherwise, it could cause failure.
- Run the lines (power source, remote controller and "between indoor and outdoor unit") upper ceiling through iron pipe or other tube protection to avoid the damage by mouse and so on.
- Connection of a cable beyond 3.5 mm^2 is not permitted. When cables of over 5.5 mm^2 are in use, provide a dedicated pull box to take a branch to an indoor unit.
- Misconnection between signal wires and power supply wires could burn out all PCBs. Connect them carefully.
  ① Even if 200 V power supply is connected mistakenly to signal wire A or B, PCBs are protected at the first time only.
  ② If you cannot confirm a unit No. (address) from the remote controller 15 minutes after turning the power on, check all signal wires and correct misconnection(s).
  ③ Cut off the jumper wire J 10SL1 on the burn-out PCB and replace connectors CnK (yellow) and CnK1 (white) with Cnk2 (black).
  ④ If there is any anomaly in the wiring from A or B terminal block to the PCB, replace the wiring.
- Keep "remote controller line" and "power source line" away from each other on constructing of unit outside.
- Do not add cord in the middle of line (of indoor power source, remote controller and signal) route on outside of unit. If connecting point is flooded, it could cause problem as for electric or communication.
  (In the case that it is necessary to set connecting point on the signal line way, perform thorough waterproof measurement.)
- Connection of the line ("Between indoor and outdoor unit", Earth and Remote controller)
  ① Remove lid of control box before connect the above lines, and connect the lines to terminal block according to number pointed on label of terminal block.
  In addition, pay enough attention to confirm the number to lines, because there is electrical polarity except earth line.
  Furthermore, connect earth line to earth position of terminal block of power source.
  ② Install earth leakage breaker on power source line. In addition, select the type of breaker for inverter circuit as earth leakage breaker.
  ③ If the function of selected earth leakage breaker is only for earth-fault protection, hand switch (switch itself and type "B" fuse) or circuit breaker is required in series with the earth leakage breaker.
  ④ Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.
  The isolator should be set in the box with key to prevent touching by another person when servicing.

Cabling system diagram (Outdoor/indoor unit connection procedure)

Specification of each line

Power source line	2.0~3.5mm^2
Signal line (Shielded cord)	0.75~1.25mm^2
Remote controller line	0.3~2.0mm^2

Use shielded cord for a signal line and connect "earth (signal line)" at all the indoor units and outdoor units.



Power source line specification

Wiring specification

Unit type	Earth leakage breaker			Circuit breaker		Wiring size				
				Switch breaker	Over-current protector rated capacity	Power source line	Wire length	Signal line	Remote controller line	Earth line
22-36	15A	30mA	0.1sec	30A	15A	2.0mm^2 ×2	304m	0.75~ 1.25mm^2×2	0.3mm^2 ×2cores	2.0mm^2
45-90							216m			
112-160							129m			
In case of Duct connected -High static pressure- type										
71-140	15A	30mA	0.1sec	30A	15A	2.0mm^2 ×2	87m	0.75~ 1.25mm^2×2	0.3mm^2 ×2cores	2.0mm^2
224,280							48m			

Note (1) The cord distances are calculated with a voltage drop of 2%. If the distance should exceed the above data, review the cord thickness to use in accordance with your extension cord regulations.
(2) When total extension of remote controller line is more than 100m, change the size of cord according to "③ Remote Control, Wiring and functions".

In case of Heat recovery 3-pipe systems

Branching controller of heat recovery 3-pipe systems wiring

- When this unit is used as a "Heat Recovery 3-pipe Systems", refer to the installation manual of a branching controller (option).

② Address setting

Address setting is done by (1) Manual address setting or (2) Automatic address setting.
In the case of (2) "Automatic address setting", it is possible to change address setting by wired remote controller after once complete setting.
As for details of setting procedure, refer to instructions attached to the outdoor unit for details.

③ Remote Control, Wiring and functions

● Do not install it on the following places.

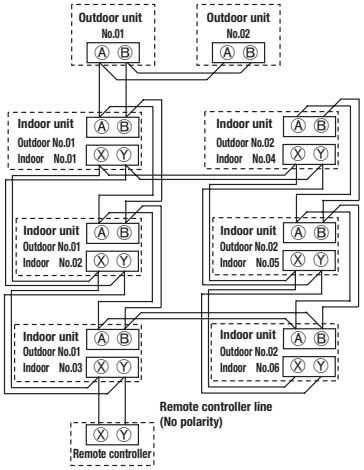
(1) Place exposed to direct sunlight
(2) Places near heat devices
(3) High humidity places
(4) Hot surface or cold surface enough to generate condensation
(5) Place exposed to oil mist or steam directly.
(6) Uneven surface

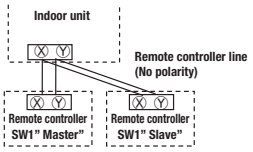
Installation and wiring of remote controller

① Install remote controller referring to the attached manual.
② Wiring of remote controller should use 0.3mm^2 x2 core wires or cables.
The insulation thickness is 1mm or more. (on-site configuration)
③ Maximum prolongation of remote control wiring is 600 m.
If the prolongation is over 100m, change to the size below.
But, wiring in the remote controller case should be under 0.5mm^2. Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.
100-200m ..... 0.5mm^2×2 core
Under 300m..... 0.75mm^2 × 2 core
Under 400m..... 1.25mm^2 × 2 core
Under 500m..... 2.0mm^2 × 2 core
④ Avoid using multi-core cables to prevent malfunction.
⑤ Keep remote controller line away from earth (frame or any metal of building).
⑥ Make sure to connect remote controller line to the remote controller and terminal block of indoor unit. (No polarity)

Control plural indoor units by a single remote controller

① A remote controller can control plural indoor units (up to 16)
In above setting, all plural indoor units will operate under same mode and temperature setting.
② Connect all indoor units with 2 core remote controller line for group control.
③ Use the function of manual address setting to set the indoor and outdoor address number.
○Do not forget to set the number for the outdoor units.
④ As shown in the following figure, the remote control can be used to control multiple outdoor units.
⑤ One remote control is able to perform group control for multiple units (maximum 16 units).
○Use the rotary SW1 and SW2 provided on the indoor unit PCB (Printed circuit board) to set unique remote control communication address avoiding duplication.





Switch	Setting	Contents
Wired remote controller: SW1 Wireless kit: SW1-2	Master	Master remote controller
	Slave	Slave remote controller

③ Remote Control, Wiring and functions (continued)

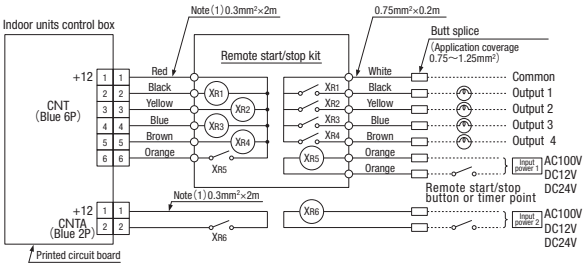
Master/slave setting when more than one remote control unit are used

A maximum of two remote control units can be connected to one indoor unit (or one group of indoor units.)
Latest "function setting" is superior than previous one.
Acceptable combination is "two (2) wired remote controllers", "one (1) wired remote controller and one (1) wireless kit" or "two (2) wireless kits".
Set one to "Master" and the other to "Slave".
Note:The setting "Remote control unit sensor enabled" is only selectable with the master remote control unit in the position where you want to check room temperature.

④ Operation and confirmation from remote controller

Operation from RC-EX1	Operation from RC-E4, RC-E5
1 Check the number of units connected in the multi remote control system.	
"Menu"⇒"Next"⇒"Service & Maintenance"⇒ "Input password"⇒"IU address"	Press AIR CON NO button to display the IU address. Press the ▼ or ▲ button and check addresses of connected indoor units one by one.
2 Check if each unit is connected properly in the remote control system.	
When the operation is stopped, "Menu"⇒ "Next"⇒"Service & Maintenance"⇒ "Input password"⇒"IU address"⇒"check run mode"	If AIR CON NO. button is pressed when the operation is stopped, the indoor unit address is displayed. If you select one of addresses for connected indoor units by pressing the ▼ or ▲ button and press the (MODE) button, the unit starts to blow air.
3 Setting master/slave remote controllers	
"Menu"⇒"Next"⇒"R/C function settings"⇒ "Input password"⇒"Main/Sub of R/C"	Set SW1 to "Slave" for the slave remote control unit.
4 Checking operation data	
"Menu"⇒"Next"⇒"Service & Maintenance"⇒ "Input password"⇒"Operation data"	Press the CHECK button. ⇒ "OPER DATA ▼" is displayed. ⇒ Press the (SET) button. ⇒ "DATA LOADING" is displayed. ⇒ "SELECT I/U" is dispayed. ⇒ Select one of addresses for connected indoor units by pressing the ▲ or ▼ button. ⇒ Press the (SET) button. ⇒ "DATA LOADING" is displayed. ⇒ Select data by pressing the ▲ or ▼ button.
5 Checking inspection display	
"Menu"⇒"Next"⇒"Service & Maintenance"⇒ "Input password"⇒"Inspection display"	Press the CHECK button. ⇒ Press the ▼ button. ⇒ "ERROR DATA ▲" is dispayed. ⇒ Press the (SET) button. ⇒ "DATA LOADING" is displayed. ⇒ Select data by pressing the ▲ or ▼ button.
6 Cooling test run from remote controller	
"Menu"⇒"Next"⇒"Installation settings"⇒ "Input password"⇒"Test run"⇒ "Cooling test run"⇒"Start"	①Start the system by pressing the ON/OFF button. ②Select " (Cool)" with the (MODE) button. ③Press the TEST button for 3 seconds or longer. The screen display will switch to: " TEST RUN ▼" ④When the (SET) button is pressed while " TEST RUN ▼" is indicated, a cooling test run will start. The screen display will switch to " TEST RUN ".
7 Trial operation of drain pump from remote controller	
"Menu"⇒"Next"⇒"Installation settings"⇒ "Input password"⇒"Test run"⇒ "Drain pump test run"⇒"Run"	①Press the TEST button for three seconds or longer. The display will change " TEST RUN ▼" ②Press the ▼ button once and cause " DRAIN PUMP " to be displayed. ③When the (SET) button is pressed, a drain pump operation will start. Display: " TO STOP "

⑤ Function of CNT connector of indoor printed circuit board



Note (1): Do not use the length over 2 meter

●CNT connector (local) vendor model
Connector : Made by molex 5264-06
Terminals : Made by molex 5263 T

●Refer to instruction manuals of "Branching controller", when the indoor unit is connected to "Heat recovery 3-pipe systems".

●Function

Output 1	Air conditioner operation output (When the air conditioner ON: X_{R1} = ON)	
Output 2	Heating output	
Output 3	Thermostat ON output (When the thermostat ON: X_{R3} = ON)	
Output 4	Air conditioner check ON (When checking air conditioner: X_{R4} = ON)	
Input	At shipping	X_{R5} OFF ⇒ ON: Air conditioner operates.
		X_{R5} ON ⇒ OFF: Air conditioner stops.
	*Functions and controls may vary depending on the switching at site.	
Input 2 (FDT etc.)	At shipping	X_{R6} OFF ⇒ ON: Air conditioner operates.
		X_{R6} ON ⇒ OFF: Air conditioner stops.
	*Functions and controls may vary depending on the switching at site.	

* Refer to I/U settings.

●CNTA connector is installed on FDT, etc. Refer to the spec. drawings.
CNTA connector (local) vendor model
Connector : Made by JST XAP02V-1-E
Terminals : Made by JST SXA-01T-P0.6

⑥ Operation and setting from remote controller

A: Refer to the instruction manual for RC-EX series.
B: Refer to the installation manual for RC-EX series.
C: Loading a utility software vie Internet
○: Nearly same function setting and operations are possible.
△: Similar function setting and operations are possible.

	Setting & display item	Description	RC-EX series	RC-E4 RC-E5
1. Remote Controller network				
1	Control plural indoor units by a single remote controller	A remote controller can control plural indoor units up to 16 (in one group of remote controller network). An address is set to each indoor unit.	○	○
2	Master/slave setting of remote controllers	A maximum of two remote controllers (include option wireless) can be connected to one indoor unit. Set one to "Master" and the other to "Slave".	B	○
2. TOP screen, Switch manipulation			A	
1	Menu	"Control", "Settings", or "Details" can be selected. (3.-19.)	A	
2	Operation mode	"Cooling", "Heating", "Fan", "Dry" or "Auto" can be set.	A	○
3	Set temp.	"Set temperature" can be set by 0.5℃ interval.	A	○
4	Air flow direction	"Air flow direction". [Individual flap control setting] can be set.	A	○
5	Fan speed	"Fan speed" can be set.	A	○
6	Timer setting	"Timer operation" can be set.	A	○
7	ON/OFF	"On/Off operation of the system" can be done.	A	○
8	High power SW	"High power operation" or "Normal operation" can be selected.	A	
9	Energy-saving SW	"Energy-saving operation" or "Normal operation" can be selected.	A	
3. Energy-saving settin			A	
1	Auto OFF timer [Administrator password]	For preventing the timer from keeping ON, set hours to stop operation automatically with this timer. ・The selectable range of setting time is from 30 to 240 minutes (10minutes interval) ・When setting is "Valid", this timer will activate whenever the ON timer is set.	A	△
2	Peak-cut timer [Administrator password]	Power consumption can be reduced by restricting the maximum capacity. Set the [Start time], the [End time] and the capacity limit % (Peak-cut %). ・4-operation patterns per day can be set at maximum. ・The setting time can be changed by 5-minutes interval. ・The selectable range of capacity limit % (Peak-cut %) is from 0% to 40-80% (20% interval). ・Holiday setting is available.	A	
3	Automatic temp. set back [Administrator password]	After the elapse of the set time period, the current set temp. will be set back to the [Set back temp.] ・The setting can be done in cooling and heating mode respectively. ・The selectable range of the set time is from 20 min. to 120 min. (10 min. interval). ・Set the [Set back temp.] by 1℃ interval.	A	△
4. Individual flap control setting			A	○
	Individual flap control setting	The moving range (the positions of upper limit and lower limit) of the flap for individual air outlet port can be set.	A	
5. Ventilation				
1	External ventilation (In combination with ventilator)	On/Off operation of the external ventilator can be done. ・The settings of [Interlock] with AC (air-conditioner), [Single operation] of ventilator or operation [invalid] of ventilation can be done through [Ventilation settings] in the [Remote controller] menu.	A	○
6.Filter sign reset			A	○
1	Filter sign reset	The filter sign can be reset.	B	
2	Setting next cleaning date	The next cleaning date can be set.	A	
7.Initial settings				
1	Clock setting	The current date and time can be set or revised.	A	△
2	Date and time display	[Display] or [Hide] the date and/or time can be set, and the [12H] or [24H] display can be set.	A	
3	Summer time	When select [Valid], the +1hour adjustment of current time can be set.When select [Invalid], the [Summer time] adjustment can be reset.	A	
4	Contrast	The contrast of LCD can be adjusted higher or lower.	A	
5	Backlight	Switching on/off a light can be set and the period of the lighting time can be set within the range of 5sec-90sec (5sec interval).	A	
6	Controller sound	It can set with or without [Controller sound (beep sound)] at touching panel.	A	
8.Timer settings			A	
1	Set On timer by hour	The period of time to start operation after stopping can be set. ・The period of set time can be set within the range of 1hour-12hours (1hr interval). ・The operation mode, set temp and fan speed at starting operation can be set.	A	△
2	Set Off timer by hour	The period of time to stop operation after starting can be set. ・The period of set time can be set within the range of 1hour-12hours (1hr interval).	A	△
3	Set On timer by clock	The clock time to start operation can be set. ・The set clock time can be set by 5 minutes interval. ・[Once (one time only)] or [Everyday] operation can be switched. ・The operation mode, set temp and fan speed at starting operation can be set.	A	△
4	Set Off timer by clock	The clock time to stop operation can be set. ・The set clock time can be set by 5 minutes interval. ・[Once (one time only)] or [Everyday] operation can be switched.	A	△
5	Confirmation of timer settings	Status of timer settings can be seen.	A	
9.Weekly timer				
1	Weekly timer [Administrator password]	On timer and Off timer on weekly basis can be set. ・8-operation patterns per day can be set at a maximum. ・The setting clock time can be set by 5 minutes interval. ・Holiday setting is available. ・The operation mode, set temp and fan speed at starting operation can be set.	A	△ △ △
10.Home leave mode				
1	Home leave mode [Administrator password]	When leaving home for a long period like a vacation leave, the unit can be operated to maintain the room temperature not to be hotter in summer or not to be colder in winter. ・The judgment to switch the operation mode (Cooling⇔Heating) is done by the both factors of the set temp. and outdoor air temp. ・The set temp. and fan speed can be set.	A	

⑥Operation and setting from remote controller (continued)

	Setting & display item	Description	RC-EX series	RC-E4 RC-E5
11.	Administrator settings	[Administrator password]	A	
1	Enable/Disable setting	•Enable/Disable setting of operation can be set. [On/Off] [Change set temp.] [Change operation mode] [Change air flow direction] [Individual flap control setting][Fan speed] [High power operation] [Energy-saving operation] [Timer settings] [Weekly timer setting] •Request for administrator password can be set. [Individual flap control setting][Weekly timer][Energy-saving setting][Home leave mode][Administrator settings]	A	△
2	Silent mode timer	The period of time to operate the outdoor unit by prioritizing the quietness can be set. •The [Start time] and the [End time] for operating outdoor unit in silent mode can be set. •The period of the operation time can be set once a day by 5 minutes interval.	A	△
3	Setting temp. range	The upper/lower limit of indoor temp. setting range can be set. •The limitation of indoor temp. setting range can be set for each operation mode in cooling and heating.	A	△
4	Temp. increment setting	The temp increment setting can be changed by 0.5℃ or 1.0℃.	A	
5	RC display setting	Register [Room name] [Name of I/U] Display [indoor temp.] or not. Display [inspection code] or not. Display [Heating stand-by] [Defrost operation] [Auto cooling/heating] or not	A	 ○ △ ○
6	Change administrator password	The administrator password can be changed. (Default setting is "0000") The administrator password can be reset.	A B	
12.	Installer settings	[Service password]	B	
1	Installation date	The [Installation date] can be registered. •When registering the [Installation date], the [Next service date] is displayed automatically. (For changing the [Next service date]. please refer the item of [Service & Maintenance].)	B	
2	Service contact	The [Service contact] can be registered and can be displayed on the RC. •The [Contact company] can be registered within 10 characters. •The [Contact phone] can be registered within 13 digits.	B	
3	Test run	On/Off operation of the test run can be done.	B	
	Cooling test run	The [Cooling test run] can be done at 5℃ of set temp. for 30 minutes.		○
	Drain pump test run	Only the drain pump can be operated.		○
	Compressor Hz fixed operation	The [Test run] operation can be done with fixed compressor Hz set by installer.		○
4	Static pressure adjustment	In case of combination with only the ducted indoor unit which has a function of static pressure adjustment, the static pressure is adjustable.	B	
5	Change auto-address	The set address of each indoor unit decided by auto-address setting method can be changed to any other address. (For multiple KX units only)	B	△
6	Address setting of Main IU	Main indoor unit address can be set. •Only the Main indoor unit can change operation mode and the Sub indoor units dominated by the Main indoor unit shall follow. •The Main indoor unit can domain 10 indoor units at a maximum.	B	△
13.	RC function settings	[Service password]	B	
1	Main/Sub RC setting	The setting of [Main/Sub RC] can be changed.	B	○
2	RC sensor	The [Valid/Invalid] setting of [RC sensor] can be done. Respective setting in cooling and heating is available.	B	○
3	RC sensor adjustment	The offset value of [RC sensor] sensing temp. can be set respectively in heating and cooling. •The setting range of offset value is ±3℃ both in cooling and heating.	B	△
4	Operation mode	The [Valid/Invalid] setting of [Auto][Cooling][Heating] and [Dry] can be done respectively.	B	○
5	Fan speed	The setting of [Fan speed] can be done from following patterns.•1-speed, 2-speeds (Hi-Me), 2-speeds (Hi-Lo), 3-speeds, 4-speeds.	B	○
6	External input	The applicable range ([Individual] or [All units]) of CnT input to the multiple indoor units connected in one control system. •[Individual] : Only the unit received CnT input signal.•[All units] : All the units connected to one control system received CnT input signal.	B	○
7	Ventilation setting	The setting of [Invalid] operation of ventilator, [Interlock] with AC or [Independent] of ventilator can be selected. •When setting [Interlock], the operation of external ventilator is interlocked with the operation of AC •When setting [Independent], only the operation of external ventilator is available.	B	○
8	Flap control	The [Flap control] method can be switched to[Stop at fixed position] or [Stop at any position]•[Stop at fixed position] : Stop the flap at a certain position among the designated 4 positions.•[Stop at any position] : Stop the flap at any arbitrary position just after the stopping command from RC was sent.	B	○
9	Auto-restart	The operation control method after recovery of power blackout happened during operation can be set.	B	○
10	Auto temp. setting	[Valid] or [Invalid] of [Auto temp. setting] can be selected.	B	
11	Auto fan speed setting	[Valid] or [Invalid] of [Auto fan speed setting] can be selected.	B	
14.	I/U settings	[Service password]	B	
1	High ceiling	The fan tap of indoor fan can be changed. •[Standard] [High ceiling 1] [High ceiling 2] can be selected.	B	○
2	Filter sign	The setting of filter sign display timer can be done from following patterns.	B	○
3	External input 1	The content of control by external input can be changed.•The selectable contents of control are [On/Off] [Permission/Prohibition] [Cooling/heating] [Emergency stop]	B	○
4	External input 1 signal	The type of external input signal ([Level input]/[Pulse input]) can be changed.	B	○
5	External input 2	•The selectable contents of control are [On/Off] [Permission/Prohibition] [Cooling/heating] [Emergency stop]	B	
6	External input 2 signal	The type of external input signal ([Level input]/[Pulse input]) can be changed.	B	
7	Heating thermo-off temp. adjust.	The judgment temp. of heating thermo-off can be adjusted within the range from 0 to +3℃ (1℃ interval)	B	△
8	Return air sensor adjust.	The sensing temp. of return air temp. sensor built in the indoor unit can be adjusted within the range of ±2℃.	B	△
9	Fan control in heating thermo OFF	The fan control method at heating thermo-off can be changed.•The selectable fan control methods are [Low] [Set fan speed] [Intermittent] [Stop].	B	○
10	Anti-frost temp.	The judgment temp. of anti-frost control for the indoor unit in cooling can be changed to [Temp. High] or [Temp. Low].	B	○
11	Anti-frost control	When the anti-frost control of indoor unit in cooling is activated, the fan speed can be changed.	B	○
12	Drain pump operation	In any operation mode in addition to cooling and dry mode, the setting of drain pump operation can be done.	B	○
13	Residual fan operation in cooling	The time period of residual fan operation after stopping in cooling mode can be set.	B	○
14	Residual fan operation in heating	The time period of residual fan operation after stopping or thermo-off in heating mode can be set.	B	○
15	Intermittent fan operation in heating	The fan operation rule following the residual fan operation after stopping or thermo-off in heating mode can be set.	B	○
16	Fan circulator operation	In case that the fan is operated as the circulator, the fan control rule can be set.	B	
17	Control pressure adjust. (For OA processing unit only)	When only the OA processing units are operated, control pressure value can be changed.	B	○
18	Auto operation mode	The [Auto rule selection] for switching the operation mode automatically can be selected from 3 patterns.	B	
19	Thermo. rule setting	When selecting [Outdoor air temp. control], the judgment temp can be offset by outdoor temp..	B	
20	Auto fan speed control	Under the [Auto fan speed control] mode, the switching range of fan speed can be selected from following 2 patterns [Auto 1] [Auto 2]. •[Auto 1] : Hi ⇔Me⇔Lo•[Auto 2] : P-hi⇔Hi⇔Me⇔Lo	B	
15.	Service & Maintenance	[Service password]	B	
1	IU address No.	Max. 16 indoor units can be connected to one remote controller, and all address No. of the connected indoor units can be displayed. •The indoor unit conforming to the address No. can be identified by selecting the address No. and tapping [Check] to operate the indoor fan.	B	○
2	Next service date	The [Next service date] can be registered.•The [Next service date] and [Service contact] is displayed on the [Periodical check] message screen.	AB	
3	Operation data	Total 39 items of [Operation data] for indoor unit and outdoor unit can be displayed.	B	○
4	Error history	[Date and time of error occurred] [I/U address] [Error code] for Max. 16 latest cases of error history can be displayed.	B	△
	Display anomaly data	The operation data just before the latest error stop can be displayed.	B	
	Reset periodical check	The timer for the periodical check can be reset.	B	○
5	Saving I/U settings	The I/U settings memorized in the indoor PCB connected to the remote controller can be saved in the memory of the remote controller.	B	
6	Special settings	[Erase I/U address] [CPU reset] [Initializing] [Touch panel calibration]	B	△
16.	Inspection		A	△
	Confirmation of Inspection	The address No, of anomalous indoor/outdoor unit and error code are displayed.		
17.	PC connection		C	
	USB connection	Weekly timer setting and etc., can be set from PC.		

PSB012D967

(b) Models FDTS, FDU71~140, FDUT

Electrical wiring work must be performed by an electrician qualified by a local power provider according to the electrical installation technical standards and interior wiring regulations applicable to the installation site.

Security instructions

- **Read the "SAFETY PRECAUTIONS" carefully first of all and then strictly follow it during the installation work in order to protect yourself.**
- **The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION .**
  ⚠WARNING **: Wrong installation would cause serious consequences such as injuries or death.**
  ⚠CAUTION **: Wrong installation might cause serious consequences depending on circumstances.**
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- **The meanings of "Marks" used here are as shown on the right:**
  ⃠ Never do it under any circumstances. | ❗ Always do it according to the instruction.
- **Accord with following items. Otherwise, there will be the risks of electric shock and fire caused by overheating or short circuit.**

⚠ WARNING

- **Be sure to have the electrical wiring work done by qualified electrical installer, and use exclusive circuit.**
  Power source with insufficient capacity and improper work can cause electric shock and fire.
- **Use specified wire for electrical wiring, fasten the wiring to the terminal securely, and hold the cable securely in order not to apply unexpected stress on the terminal.**
  Loose connections or hold could result in abnormal heat generation or fire.
- **Arrange the electrical wires in the control box properly to prevent them from rising. Fit the lid of the services panel property.**
  Improper fitting may cause abnormal heat and fire.
- **Use the genuine optional parts. And installation should be performed by a specialist.**
  If you install the unit by yourself, it could cause water leakage, electric shock and fire.
- **Do not repair by yourself. And consult with the dealer about repair.**
  Improper repair may cause water leakage, electric shock or fire.
- **Consult the dealer or a specialist about removal of the air conditioner.**
  Improper installation may cause water leakage, electric shock or fire.
- **Turn off the power source during servicing or inspection work.**
  If the power is supplied during servicing or inspection work, it could cause electric shock and injury by the operating fan.
- **Shut off the power before electrical wiring work.**
  It could cause electric shock, unit failure and improper running.

⚠ CAUTION

- **Perform earth wiring surely.**
  Do not connect the earth wiring to the gas pipe, water pipe, lightning rod and telephone earth wiring. Improper earth could cause unit failure and electric shock due to a short circuit.
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.
- **Make sure to install earth leakage breaker on power source line. (countermeasure thing to high harmonics.)**
  Absence of breaker could cause electric shock.
- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Do not use any materials other than a fuse of correct capacity where a fuse should be used.**
  Connecting the circuit by wire or copper wire could cause unit failure and fire.
- **Use power source line of correct capacity.**
  Using incorrect capacity one could cause electric leak, abnormal heat generation and fire.
- **Do not mingle solid cord and stranded cord on power source and signal side terminal block.**
  In addition, do not mingle difference capacity solid or stranded cord.
  Inappropriate cord setting could cause loosing screw on terminal block, bad electrical contact, smoke and fire.
- **Do not turn off the power source immediately after stopping the operation.**
  Be sure to wait for more than 5 minutes. Otherwise it could cause water leakage or breakdown.
- **Do not control the operation with the circuit breaker.**
  It could cause fire or water leakage. In addition, the fan may start operation unexpectedly and it may cause injury.

① Electrical Wiring Connection

- Install an over-current and earth leakage breaker (threshold current: 30mA) specified for each unit without fail.
- Provide a dedicated branching circuit and never share a branching circuit with other equipment. If shared, disconnection at the circuit breaker may occur, which can cause secondary damage.
- Set earth of D-type.
- Connection of a cable beyond 3.5 mm² is not permitted. When cables of over 5.5 mm² are in use, provide a dedicated pull box to take a branch to an indoor unit.
- Keep "remote controller line" and "power source line" away from each other on constructing of unit outside.
- Run the lines (power source, remote controller and "between indoor and outdoor unit") upper ceiling through iron pipe or other tube protection to avoid the damage by mouse and so on.
- Do not add cord in the middle of line (of indoor power source, remote controller and signal) route on outside of unit. If connecting point is flooded, it could cause problem as for electric or communication.
  (In the case that it is necessary to set connecting point on the signal line way, perform thorough waterproof measurement.)
- Do not connect the power source line [220V/240V/380V/415V] to signal side terminal block. Otherwise, it could cause failure.
- Screw the line to terminal block without any looseness, certainly.
- Do not turn on the switch of power source, before all of line work is done.

① Electrical Wiring Connection (continued)

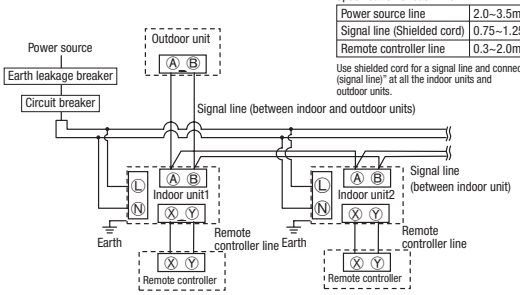
- **Electrical wiring work must be performed by an electlician an qualified by a local power provider. These wiring specifications are determined on the assumption that the following instructions are observed:**
  ① Do not use cords other than copper ones.
  Do not use any supply line lighter than one specified in parentheses for each type below.
  – braided cord (code designation 60245 IEC 51), if allowed in the relevant part 2;
  – ordinary tough rubber sheathed cord (code designation 60245 IEC 53);
  – flat twin tinsel cord (code designation 60227 IEC 41);
  – ordinary polyvinyl chloride sheathed cord (code designation 60227 IEC 53);
  ② Provide a separate power outlet for each outdoor or indoor unit.
  ③ All indoor units grouped in one system must have power source that can be turned on or off simultaneously.
  ④ Pay extra attention so as not to confuse signal line and power source line connection, because an error in their connection can be burn all the boards at once.
- **Connection of the line ("Between indoor and outdoor unit", Earth and Remote controller)**
  ① Remove lid of control box before connect the above lines, and connect the lines to terminal block according to number pointed on label of terminal block.
  In addition, pay enough attention to confirm the number to lines, because there is electrical polarity except earth line.
  Furthermore, connect earth line to earth position of terminal block of power source.
  ② Install earth leakage breaker on power source line. In addition, select the type of breaker for inverter circuit as earth leakage breaker.
  ③ If the function of selected earth leakage breaker is only for earth-fault protection, hand switch (switch itself and type "B" fuse) or circuit breaker is required in series with the earth leakage breaker.
  ④ Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.
  The isolator should be set in the box with key to prevent touching by another person when servicing.

Cabling system diagram (Outdoor/indoor unit connection procedure)

Specification of each line

Power source line	2.0~3.5mm²
Signal line (Shielded cord)	0.75~1.25mm²
Remote controller line	0.3~2.0mm²

Use shielded cord for a signal line and connect "earth (signal line)" at all the indoor units and outdoor units.



Power source line specification

Wiring specification

Unit type	Earth leakage breaker			Circuit breaker: Switch breaker	Circuit breaker: Over-current protector rated capacity	Wiring size: Power source line	Wiring size: Wire length	Wiring size: Signal line	Wiring size: Remote controller line	Wiring size: Earth line
22-36	15A	30mA	0.1sec	30A	15A	2.0mm² ×2	304m	0.75~ 1.25mm²×2	0.3mm² ×2cores	2.0mm²
45-90							216m			
112-160							129m			
In case of Duct connected -High static pressure- type										
71-140	15A	30mA	0.1sec	30A	15A	2.0mm² ×2	87m	0.75~ 1.25mm²×2	0.3mm² ×2cores	2.0mm²
224,280							48m			

Note (1) The cord distances are calculated with a voltage drop of 2%. If the distance should exceed the above data, review the cord thickness to use in accordance with your extension cord regulations.
(2) When total extension of remote controller line is more than 100m, change the size of cord according to "③ Remote Control, Wiring and functions".

In case of Heat recovery 3-pipe systems

Branching controller of heat recovery 3-pipe systems wiring

- When this unit is used as a "Heat Recovery 3-pipe Systems", refer to the installation manual of a branching controller (option).

② Address setting

Address setting is done by (1) Manual address setting or (2) Automatic address setting.
In the case of (2) "Automatic address setting", it is possible to change address setting by wired remote controller after once complete setting.
As for details of setting procedure, refer to instructions attached to the outdoor unit for details.

③ Remote Control, Wiring and functions

- Do not install it on the following places.

(1) Place exposed to direct sunlight
(2) Places near heat devices
(3) High humidity places
(4) Hot surface or cold surface enough to generate condensation
(5) Place exposed to oil mist or steam directly.
(6) Uneven surface

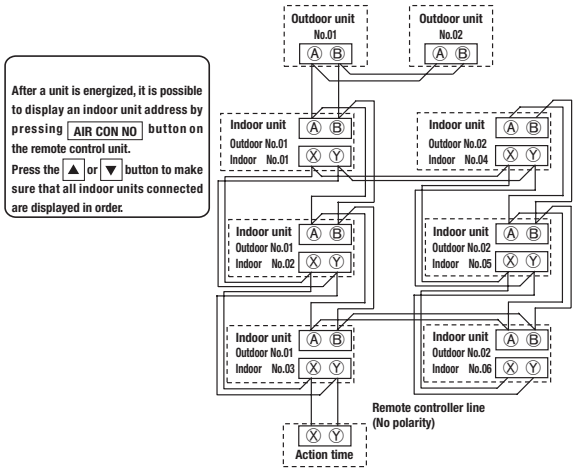
Installation and wiring of remote controller

① Install remote controller referring to the attached manual.
② Wiring of remote controller should use 0.3mm² x2 core wires or cables.
The insulation thickness is 1mm or more. (on-site configuration)
③ Maximum prolongation of remote control wiring is 600 m.
If the prolongation is over 100m, change to the size below.
But, wiring in the remote controller case should be under 0.5mm². Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.
100-200m .....0.5mm²×2 core
Under 300m.....0.75mm² × 2 core
Under 400m.....1.25mm² × 2 core
Under 500m.....2.0mm² × 2 core
④ Avoid using multi-core cables to prevent malfunction.
⑤ Keep remote controller line away from earth (frame or any metal of building).
⑥ Make sure to connect remote controller line to the remote controller and terminal block of indoor unit. (No polarity)

③ Remote Control, Wiring and functions (continued)

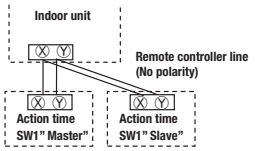
Control plural indoor units by a single remote controller

① A remote controller can control plural indoor units (up to 16)
In above setting, all plural indoor units will operate under same mode and temperature setting.
② Connect all indoor units with 2 core remote controller line for group control.
③ Use the function of manual address setting to set the indoor and outdoor address number.
○Do not forget to set the number for the outdoor units.
④ As shown in the following figure, the remote control can be used to control multiple outdoor units.
⑤ One remote control is able to perform group control for multiple units (maximum 16 units).
○Use the rotary SW1 and SW2 provided on the indoor unit PCB (Printed circuit board) to set unique remote control communication address avoiding duplication.



Confirming method of indoor units

When indoor unit address number is displayed on remote controller, pushing the (MODE) button to make the indoor unit with that number blow air (Display example:" I/U001 ≋ ").
Push the (MODE) button again to stop the operation.
However, this operation is invalid on the air-conditioning running.



Switch	Setting	Contents
Wired remote controller: SW1 Wireless kit: SW1-2	Master	Master remote controller
	Slave	Slave remote controller

Master/slave setting when more than one remote control unit are used

A maximum of two remote control units can be connected to one indoor unit (or one group of indoor units.)
Latest "function setting" is superior than previous one.
Acceptable combination is "two (2) wired remote controllers", "one (1) wired remote controller and one (1) wireless kit" or "two (2) wireless kits".
Set SW1 to "Slave" for the slave remote control unit. It was factory set to "Master" for shipment.
Note:The setting "Remote control unit sensor enabled" is only selectable with the master remote control unit in the position where you want to check room temperature.

④ Trial operation

The method of trial cooling operation

Operate the remote control unit as follows.
1. Starting a cooling test run.
①Start the system by pressing the ON/OFF button.
②Select " (Cool)" with the (MODE) button.
③Press the TEST button for 3 seconds or longer.
The screen display will switch to: " TEST RUN "
④When the (SET) button is pressed while " TEST RUN " is indicated, a cooling test run will start.
The screen display will switch to " TEST RUN ".
2. Ending a cooling test run.
Pressing the ON/OFF button, the (TEMP) button or (MODE) button will end a cooling test run. (Cooling test run will end after 30 minutes pass.)
" TEST RUN " shown on the screen will go off.

④ Trial operation (continued)

Checking operation data

Operation data can be checked with remote control unit operation.
1. Press the CHECK button.
The display change " OPER DATA "
2. Press the (SET) button while " OPER DATA " is displayed.
3. When only one indoor unit is connected to remote controller, " DATA LOADING " is displayed (blinking indication during data loading).
Next, operation data of the indoor unit will be displayed. Skip to step 7.
4. When plural indoor units is connected, the smallest address number of indoor unit among all connected indoor unit is displayed.
[Example]:
" SELECT I/U " (blinking 1 seconds) → " I/U000 " blinking.
5. Select the indoor unit number you would like to have data displayed with the ▲ ▼ button.
6. Determine the indoor unit number with the (SET) button.
(The indoor unit number changes from blinking indication to continuous indication)
" I/U000 " (The address of selected indoor unit is blinking for 2 seconds.)
↓
" DATA LOADING " (A blinking indication appears while data loaded.)
Next, the operation data of the indoor unit is indicated.
7. Upon operation of the ▲ ▼ button, the current operation data is displayed in order from data number 01.
The items displayed are in the following table.
※Depending on models, the items that do not have corresponding data are not displayed.
8. To display the data of a different indoor unit, press the AIR CON NO. button, which allows you to go back to the indoor unit selection screen.
9. Pressing the ON/OFF button will stop displaying data.
Pressing the (RESET) button during remote control unit operation will undo your last operation and allow you to go back to the previous screen.
◎If two (2) remote controllers are connected to one (1) inside unit, only the master controller is available for trial operation and confirmation of operation data. (The slave remote controller is not available.)

Number		Data Item
01		(Operation Mode)
02	SET TEMP __ ℃	(Set Temperature)
03	RETURN AIR __ ℃	(Return Air Temperature)
04	SENSOR __ ℃	(Remote Controller Thermistor Temperature)
05	THI-R1 __ ℃	(Indoor Unit Heat Exchanger Thermistor / U Bend)
06	THI-R2 __ ℃	(Indoor Unit Heat Exchanger Thermistor /Capillary)
07	THI-R3 __ ℃	(Indoor Unit Heat Exchanger Thermistor /Gas Header)
08	I/U FANSPEED __	(Indoor Unit Fan Speed)
09	DEMAND __ Hz	(Frequency Requirements)
10	ANSWER __ Hz	(Response Frequency)
11	I/U EEV __ P	(Pulse of Indoor Unit Expansion Valve)
12	TOTAL I/U RUN __ H	(Total Running Hours of The Indoor Unit)
21	OUTDOOR __ ℃	(Outdoor Air Temperature)
22	THO-R1 __ ℃	(Outdoor Unit Heat Exchanger Thermistor)
23	THO-R2 __ ℃	(Outdoor Unit Heat Exchanger Thermistor)
24	COMP __ Hz	(Compressor Frequency)
25	HP __ MPa	(High Pressure)
26	LP __ MPa	(Low Pressure)
27	Td __ ℃	(Discharge Pipe Temperature)
28	COMP BOTTOM __ ℃	(Comp Bottom Temperature)
29	CT __ AMP	(Current)
30	TARGET SH __ ℃	(Target Super Heat)
31	SH __ ℃	(Super Heat)
32	TDSH __ ℃	(Discharge Pipe Super Heat)
33	PROTECTION No. __	(Protection State No. of The Compressor)
34	O/U FANSPEED __	(Outdoor Unit Fan Speed)
35	63H1	(63H1 On/Off)
36	DEFROST	(Defrost Control On/Off)
37	TOTAL COMP RUN __ H	(Total Running Hours of The Compressor)
38	O/U EEV1 __ P	(Pulse of The Outdoor Unit Expansion Valve EEVC)
39	O/U EEV2 __ P	(Pulse of The Outdoor Unit Expansion Valve EEVH)

※Depending on outdoor unit model, there are data not shown.

Trail operation of drain pump

Drain pump operation from remote control unit is possible. Operate a remote control unit by following the steps described below.
1. To start a forced drain pump operation.
①Press the TEST button for three seconds or longer.
The display will change " TEST RUN "
②Press the ▼ button once and cause " DRAIN PUMP " to be displayed.
③When the (SET) button is pressed, a drain pump operation will start.
Display: " TO STOP "
2. To cancel a drain pump operation.
①If either (SET) or ON/OFF button is pressed, a forced drain pump operation will stop. The air conditioning system will become OFF.

◎If two (2) remote controllers are connected to one (1) inside unit, only the master controller is available for trial operation and confirmation of operation data. (The slave remote controller is not available.)

⑤ Function Setting by Remote Controller

The functional setting

● The initial function setting for typical using is performed automatically for a remote control unit and an indoor unit by the door unit connected, when remote controller and inside unit are connected.
As long as they are used in a typical manner, there will be no need to change the initial settings.
If you would like to change the initial setting marked " ○ ", set your desired setting as for the selected item.
The procedure of functional setting is shown as the following diagram.
As for detail of setting, refer to the installation manual of remote controller.

[Flow of function setting]

Start : While indoor unit do not operate, press " ○ " (SET) and " ◇ " (MODE) button for 3 seconds at the same time.
Finalize : Press " ○ " (SET) button.
Reset : Press " ✐ " (RESET) button.
Select : Press ▲▼ button.
End : Press ON/OFF button.
It is possible to finish above setting on the way, and unfinished change of setting is unavailable.
" ○ " : Initial settings
" ※ " : Automatic criterion
As for detail, refer to the installation manual of remote controller.

Note 1: The initial setting marked "※ " is decided by connected indoor and outdoor unit, and is automatically defined as following table.

Function No.	Item	Default	Model
Function 02 of remote controller	AUTO RUN SET	AUTO RUN ON	"Auto-RUN" mode selectable indoor unit.
		AUTO RUN OFF	Indoor unit without "Auto-RUN" mode
Function 06 of remote controller	FAN SPEED SW	VALID	Indoor unit with two or three step of air flow setting
		INVALID	Indoor unit with only one of air flow setting
Function 07 of remote controller	LOUVER SW	VALID	Indoor unit with automatically swing louver
		INVALID	Indoor unit without automatically swing louver
Function 13 of remote controller	I/U FAN	HI-MED-LO	Indoor unit with three step of air flow setting
		HI-LO	Indoor unit with two step of air flow setting
		HI-MED	Indoor unit with two step of air flow setting
		1 FAN SPEED	Indoor unit with only one of air flow setting
Function 15 of remote controller	MODEL TYPE	HEAT PUMP	Heat pump unite
		COOLING ONLY	Exclusive cooling unite

Note 2: Fan setting of "HIGH SPEED"

Fan tap		Indoor unit air flow setting				
		[illegible] - [illegible] - [illegible] - [illegible]	[illegible] - [illegible] - [illegible]	[illegible] - [illegible]	[illegible] - [illegible]	[illegible] - [illegible]
FAN SPEED SET	STANDARD	UH - Hi - Me - Lo	Hi - Me - Lo	Hi - Lo	Hi - Me	
	HIGH SPEED 1, 2	UH - UH - Hi - Me	UH - Hi - Me	UH - Me	UH - Hi	

Initial function setting of some indoor unit is "HIGH SPEED"

During air-conditioner stopping push (SET) + (MODE) button simultaneously for 3 seconds

Consult the technical data etc for each control details

Record and save the setting

FUNCTION SET ▼

FUNCTION ▼ (Remote controller function)

No.	Function	setting		
01	GRILLE T-A SET	T-A INVALID	○	
		50Hz ZONE ONLY		When you use at 50Hz area
		60Hz ZONE ONLY		When you use at 60Hz area
02	AUTO RUN SET	AUTO RUN ON	※	
		AUTO RUN OFF	※	Automatic operation is impossible
03	TEMP SW	VALID	○	
		INVALID		Temperature setting button is not working
04	MODE SW	VALID	○	
		INVALID		Mode button is not working
05	ON/OFF SW	VALID	○	
		INVALID		On/Off button is not working
06	FAN SPEED SW	VALID	※	
		INVALID	※	Fan speed button is not working
07	LOUVER SW	VALID	※	
		INVALID	※	Louver button is not working
08	TIMER SW	VALID	○	
		INVALID		Timer button is not working
09	SENSOR SET	SENSOR OFF	○	Remote thermistor is not working.
		SENSOR ON		Remote thermistor is working.
		SENSOR +3.0℃		Remote thermistor is working, and to be set for producing +3.0°C increase in temperature.
		SENSOR +2.0℃		Remote thermistor is working, and to be set for producing +2.0°C increase in temperature.
		SENSOR +1.0℃		Remote thermistor is working, and to be set for producing +1.0°C increase in temperature.
		SENSOR -1.0℃		Remote thermistor is working, and to be set for producing -1.0°C increase in temperature.
		SENSOR -2.0℃		Remote thermistor is working, and to be set for producing -2.0°C increase in temperature.
		SENSOR -3.0℃		Remote thermistor is working, and to be set for producing -3.0°C increase in temperature.
10	AUTO RESTART	INVALID	○	
		VALID		
11	VENT LINK SET	NO VENT	○	
		VENT LINK		Connect the Single split series and the VRF series to the indoor board CNT and indoor board CND respectively. If a ventilation device is connected, been geared with the motion of indoor device, the ventilation device is operated/stopped. By connecting the ventilation device with the Single split series device to indoor board CNT, the VRF series device to CND, you can operate/stop the ventilation device independently by the handling of ventilation button.
		NO VENT LINK		
12	TEMP RANGE SET	INDOR CHANGE	○	If you change the range of set temperature, the indication of set temperature will vary following the control.
		NO INDOR CHANGE		If you change the range of set temperature, the indication of set temperature will not vary following the control, and keep the set temperature.
13	I/U FAN	HI-MED-LO	※	Airflow of fan becomes the three speed of [illegible] - [illegible] or [illegible] - [illegible] - [illegible].
		HI-LO	※	Airflow of fan becomes the two speed of [illegible] - [illegible].
		HI-MED		Airflow of fan becomes the two speed of [illegible] - [illegible].
		1 FAN SPEED	※	Airflow of fan is fixed at one speed.
14	POSITION			If you want to change the remote control function "14 POSITION", You must change the indoor function "04 POSITION" accordingly.
		4POSITION STOP	○	You can select the louver stop position in the four.
		FREE STOP		The louver can stop at any position.
15	MODEL TYPE	HEAT PUMP	※	
		COOLING ONLY	※	
16	EXTERNAL CONTROL SET	INDIVIDUAL	○	If you input into the indoor printed circuit board CNT from outside, the indoor device will be operated independently following the input from outside.
		FOR ALL UNITS		If you input into indoor printed circuit board CNT from outside, All units which share the same one remote control network work following the input from outside.
17	ROOM TEMP INDICATION SET	INDICATION OFF	○	
		INDICATION ON		In normal working indication, indoor unit temperature is indicated instead of airflow. (Only the master remote control can be indicated.)
18	HEATING INDICATION	INDICATION ON	○	
		INDICATION OFF		Heating preparation indication should not be indicated.
19	℃/℉ SET	℃	○	Temperature indication is by degree C
		℉		Temperature indication is by degree F

(Indoor unit function) I/U FUNCTION ▲

Only when plural indoor units are connected
Indoor No. selection
(Note3)

I/U000 ▲
I/U001 ⇕
I/U002 ⇕
I/U003 ⇕
I/U004 ⇕

If to change re-set with other indoor unit, push AIRCON NO. button, and indoor selection indication (for example: I/U 000) is set back.

No.	Function	setting		
02	FAN SPEED SET	STANDARD	○	
		HIGH SPEED 1		(Note2)
		HIGH SPEED 2		
03	FILTER SIGN SET	INDICATION OFF		
		TYPE 1	○	The filter sign is indicated after running for 180 hours.
		TYPE 2		The filter sign is indicated after running for 600 hours.
		TYPE 3		The filter sign is indicated after running for 1000 hours.
		TYPE 4		The filter sign is indicated after running for 1000 hours, then it will be stopped by compulsion after 24 hours.
04	POSITION			If to change the indoor function "04 POSITION", The remote control function "14 POSITION" should be changed accordingly.
		4POSITION STOP	○	Select the louver stop position in four.
		FREE STOP		The louver can stop at any positon.
05	EXTERNAL INPUT	LEVEL INPUT	○	
		PULSE INPUT		
06	PROHIBITION/CONFIRMATION	INVALID	○	
		VALID		Make permission/prohibition control of function be in effect.
07	EMERGENCY STOP	INVALID	○	
		VALID		With the VRF series, it is used to stop all indoor units connected with the same outdoor unit immediately. When stop signal is inputed from remote on-off terminal "CNT-6", all indoor units are stopped immediately.
08	※ SP OFFSET	OFFSET +3.0℃		To be reset for producing +3.0°C increase in temperature during heating.
		OFFSET +2.0℃		To be reset for producing +2.0°C increase in temperature during heating.
		OFFSET +1.0℃		To be reset for producing +1.0°C increase in temperature during heating.
		NO OFFSET	○	
09	RETURN AIR TEMP	OFFSET +2.0℃		To be reset producing +2.0°C increase in return air temperature of indoor unit.
		OFFSET +1.5℃		To be reset producing +1.5°C increase in return air temperature of indoor unit.
		OFFSET +1.0℃		To be reset producing +1.0°C increase in return air temperature of indoor unit.
		NO OFFSET	○	
		OFFSET -1.0℃		To be reset producing -1.0°C increase in return air temperature of indoor unit.
		OFFSET -1.5℃		To be reset producing -1.5°C increase in return air temperature of indoor unit.
		OFFSET -2.0℃		To be reset producing -2.0°C increase in return air temperature of indoor unit.
10	※ FAN CONTROL	LOW FAN SPEED	○	When heating thermostat is off, to be operated with low air flow.
		SET FAN SPEED		When heating thermostat is off, to be operated with set air flow.
		INTERMITTENCE		When heating thermostat is off, to be operated intermittently.
		FAN OFF		When heating thermostat is off, the fan stops. When the remote thermistor is working, "FAN OFF" is set automatically. Do not set when the indoor unit's thermistor is working.
11	FROST PREVENTION TEMP	TEMP HIGH		Change of indoor heat exchanger temperature to start frost prevention control.
		TEMP LOW	○	
12	FROST PREVENTION CONTROL			Working only with the single split series.
		FAN CONTROL ON	○	To control frost prevention, the indoor fan tap is raised.
		FAN CONTROL OFF		
13	DRAIN PUMP LINK		○	Drain pump is on during cooling and dry.
		AND※		Drain pump is on during cooling, dry and heating.
		AND※AND		Drain pump is on during cooling, dry, heating and fan.
		AND		Drain pump is on during cooling, dry and fan.
14	FAN REMAINING	NO REMAINING	○	After cooling is stopped is off, the fan does not perform extra operation.
		0.5 HOUR		After cooling is stopped is off, the fan perform extra operation for half an hour.
		1 HOUR		After cooling is stopped is off, the fan perform extra operation for an hour.
		6 HOUR		After cooling is stopped is off, the fan perform extra operation for six hours.
15	※ FAN REMAINING	NO REMAINING	○	After heating is stopped or heating thermostat is off, the fan does not perform extra operation.
		0.5 HOUR		After heating is stopped or heating thermostat is off,the fan perform extra operation for half an hour.
		2 HOUR		After heating is stopped or heating thermostat is off,the fan perform extra operation for two hours.
		6 HOUR		After heating is stopped or heating thermostat is off, the fan perform extra operation for six hours.
16	※ FAN INTERMITTENCE	NO REMAINING	○	
		20minOFF 5minON		During heating is stopped or heating thermostat is off, the fan perform intermittent operation for five minutes after twenty minutes' off with low airflow.
		5minOFF 5minON		During heating is stopped or heating thermostat is off, the fan perform intermittent operation for five minutes after five minutes' off with low airflow.

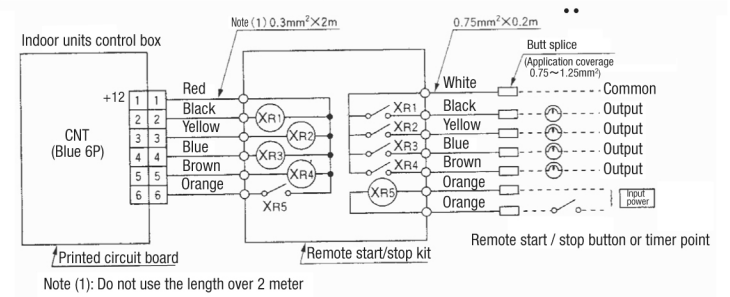
ON/OFF button (finished)

⑥ Control mode switching

●The control content of indoor units can be switched in following way. (▭ is the default setting)

Switch No.	control content	
SW1	Indoor unit address (tens place)	
SW2	Indoor unit address (ones place)	
SW3	Outdoor unit address (tens place)	
SW4	Outdoor unit address (ones place)	
SW5－1	ON	Fixed previous version of Super Link protocol
	OFF	Automatic adjustment of Super Link protocol
SW5－2	Indoor unit address (hundreds place)	
SW6－1 ~ 4	Model capacity setting	
SW7－1	ON	Operation check, Drain motor test run
	OFF	Normal operation

⑦ Function of CNT connector of indoor printed circuit board



Note (1): Do not use the length over 2 meter

●CNT connector (local) vendor model
Connector : Made by molex 5264-06
Terminals : Made by molex 5263 T

●Function

Output 1:	Operation output (there is output when unit is in operation.)		
Output 2:	Heating output (there is output when operation MODE is HEATING.)		
Output 3:	Thermo ON output		
Output 4:	Inspection output (there is out put when unit is stopped by error.)		
Input 5:	Factory set	X_{R5} OFF ⇒ ON	UNIT ON
		X_{R5} ON ⇒ OFF	UNIT OFF
	Local set	X_{R5} OFF ⇔ ON	Receiving pulse signal, "ON/OFF" is reversed.

Refer to instruction manuals of "Branching controller", when the indoor unit is connected to "Heat recovery 3-pipe systems".

⑧Troubleshooting

The operation data is saved when the situation of abnormal operation happen, and the data can be confirmed by remote controller.

[Operating procedure]

1. Press the CHECK button.
   The display change " OPER DATA ▼ "
2. Once, press the ▼ button, and the display change " ERROR DATA ▲ ".
3. Press the ○ (SET) button and abnormal operation data mode is started.
4. When only one indoor unit is connected to remote controller, following is displayed.
   ①The case that there is history of abnormal operation.
   → Error code and " DATA LOADING " is displayed.
   [Example]: [E8] (ERROR CODE)
   " DATA LOADING " is displayed (blinking indication during data loading).
   Next, the abnormal operation data of the indoor unit will be displayed.
   Skip to step 7.
   ②The case that there is not history of abnormal operation.
   → " NO ERROR " is displayed for 3 seconds and this mode is closed.
5. When plural indoor units is connected, following is displayed.
   ①The case that there is history of abnormal operation.
   → Error code and the smallest address number of indoor unit among all connected indoor unit is displayed.
   [Example]: [E8] (ERROR CODE)
   " I/U000 ▲ " blinking
   ②The case that there is not history of abnormal operation.
   → Only address number is displayed.
6. Select the indoor unit number you would like to have data displayed with the ▲ ▼ button.
7. Determine the indoor unit number with the ○ (SET) button.
   [Example]: [E8] (ERROR CODE)
   " I/U000 ▲ " (The address of selected indoor unit is blinking for 2 seconds.)
   ↓
   [E8] " DATA LOADING " (A blinking indication appears while data loaded.)
   Next, the abnormal operation data is indicated.
   If the indoor unit doing normal operation is selected, " NO ERROR " is displayed for 3 seconds and address of indoor unit is displayed.
8. By the ▲ ▼ button, the abnormal operation data is displayed.
   Displayed data item is based on ④ Trial operation .
   ※Depending on models, the items that do not have corresponding data are not displayed.
9. To display the data of a different indoor unit, press the AIR CON No. button, which allows you to go back to the indoor unit slection screen.
10. Pressing the ⏻ON/OFF button will stop displaying data.

Pressing the ⊘ (RESET) button during remote control unit operation will undo your last operation and allow you to go back to the previous screen.

◎If two (2) remote controllers are connected to one (1) inside unit, only the master controller is available for trial operation and confirmation of operation data. (The slave remote controller is not available.)

Error code of indoor unit

Display on remote controller	LED on indoor circuit board		Content		
	red (checking)	green (normal)			
Off	Off	Continuous blinking	Normal		
	Off	Off	Fault on power, indoor power off or lack phase		
E1	Off	Continuous blinking	Fault on the transmission between indoor circuit board and remote control		
	Not sure	Not sure	Indoor computer abnormal		
E2	blinking once	Continuous blinking	Duplication of indoor address No. (can only be detected during operation) Excess number of remote controllers (can only be detected during operation)		
E3	blinking twice	Continuous blinking	Outdoor power off or lack phase There is no corresponding outdoor unit address.		
E5	blinking twice	Continuous blinking	Fault on outdoor-indoor transmission		
E6	blinking once	Continuous blinking	Indoor heat exchange sensor interrupted or short-circuit		
E7	blinking once	Continuous blinking	Indoor air inhaling sensor broken or short-circuit		
E9	blinking once	Continuous blinking	Float SW actions (only with FS)		
E10	Off	Continuous blinking	Excess number of remote controller connections		
E11	Off	Continuous blinking	The master indoor unit is not set properly.		
E12	blinking once	Continuous blinking	Super link	Indoor unit address SW	
				Indoor No.	Outdoor No.
			New specification	001～127	49
			Old specification	0～47	48, 49
				48, 49	0～47
E16	blinking once	Continuous blinking	Fan motor abnormal		
E18	blinking once	Continuous blinking	The address configuration fault for master-slave indoor units.		
E19	blinking once	Continuous blinking	Configuration fault on running checking model		
E21	blinking once	Continuous blinking	Defective panel switch operation (FDT)		
E28	Off	Continuous blinking	Remote controller sensor interrupted		
Over E30	Off	Continuous blinking	Outdoor unit checking (outdoor circuit board LED checking)		
E63	Off	Continuous blinking	Emergency stop.		

#

3.3 Instullation manual for wired remote controller

PJZ012D077 ⚠a

(a) Model : RC-EX1A(Option parts)

1 . Safety Precautions

This installation manual describes the installation methods and precautions related to the remote control. Use this manual together with the user's manuals for the indoor unit, outdoor unit and other optional equipment. Please read this manual carefully before starting the installation work to install the unit properly.

Safety precautions

●Please read this manual carefully before starting installation work to install the unit properly.
Every one of the followings is important information to be observed strictly.

⚠WARNING	Failure to follow these instructions properly may result in serious consequences such as death, severe injury, etc..
⚠CAUTION	Failure to follow these instructions properly may cause injury or property damage.

It could have serious consequences depending on the circumstances.

●The following pictograms are used in the text.

🛇	Never do.	❗	Always follow the instructions given.

●Keep this manual at a safe place where you can consult with whenever necessary. Show this manual to installers when moving or repairing the unit. When the ownership of the unit is transferred, the "Installation Manual" should be given to a new owner.

⚠WARNING

Ask a professional contractor to carry out installation work according to the installation manual.
Improper installation work may result in electric shocks, fire or break-down.

Shut OFF the main power supply before starting electrical work.
Otherwise, it could result in electric shocks, break-down or malfunction.

Do not install the unit in appropriate environment or where inflammable gas could generate, flow in, accumulate or leak.
If the unit is used at places where air contains dense oil mist, steam, organic solvent vapor, corrosive gas (ammonium, sulfuric compound, acid, etc) or where acidic or alkaline solution, special spray, etc. are used, it could cause electric shocks, break-down, smoke or fire as a result of significant deterioration of its performance or corrosion.

Do not install the unit where water vapor is generated excessively or condensation occurs.
It could cause electric shocks, fire or break-down.

Use the specified cables for wiring, and connect them securely with care to protect electronic parts from external forces.
Improper connections or fixing could cause heat generation, fire, etc.

Seal the inlet hole for remote control cable with putty.
If dew, water, insect, etc. enters through the hole, it could cause electric shocks, fire or break-down.

When installing the unit at a hospital, telecommunication facility, etc., take measures to suppress electric noises.

It could cause malfunction or break-down due to hazardous effects on the inverter, private power generator, high frequency medical equipment, radio communication equipment, etc.
The influences transmitted from the remote control to medical or communication equipment could disrupt medical activities, video broadcasting or cause noise interference.

⚠ CAUTION

Do not install the remote control at following places.

It could cause break-down or deformation of remote control.

(1) Where it is exposed to direct sunlight
(2) Near the equipment to generate heat
(3) Where the surface is not flat

Do not leave the remote control with its upper case removed.

When the upper case is removed, put it in a packing box or packing bag to protect internal PCBs or other parts from dust, moisture, etc.

2 . Accessories & Prepare on site

Accessories	R/C main unit, wood screw (ø3.5 x 16) 2 pcs User's Manual, Installation Manual

Parts procured at site

Item name	Q'ty	Remark
Switch box For 1 piece or 2 pieces (JIS C8340 or equivalent)	1	These are not required when installing directly on a wall.
Thin wall steel pipe for electric appliance (JIS C8305 or equivalent)	As required	
Lock nut, bushing (JIS C8330 or equivalent)	As required	
Lacing (JIS C8425 or equivalent)	As required	Necessary to run R/C cable on the wall.
Putty	Suitably	For sealing gaps
Molly anchor	As required	
R/C cable (0.3 mm^2 x 2 pcs)	As required	See right table when longer than 100 m

When the cable length is longer than 100 m, the max size for wires used in the R/C case is 0.5 mm^2 . Connect them to wires of larger size near the outside of R/C. When wires are connected, take measures to prevent water, etc. from entering inside.

< 200 m	0.5 mm^2 x 2-core
< 300 m	0.75 mm^2 x 2-core
< 400 m	1.25 mm^2 x 2-core
< 600 m	2.0 mm^2 x 2-core

3. Remote control installation procedure

Determine where to install the remote control

Installation "Using a switch box"
"Installed directly on a wall"
Wiring direction "Backward"
"Upper center", "Upper left"

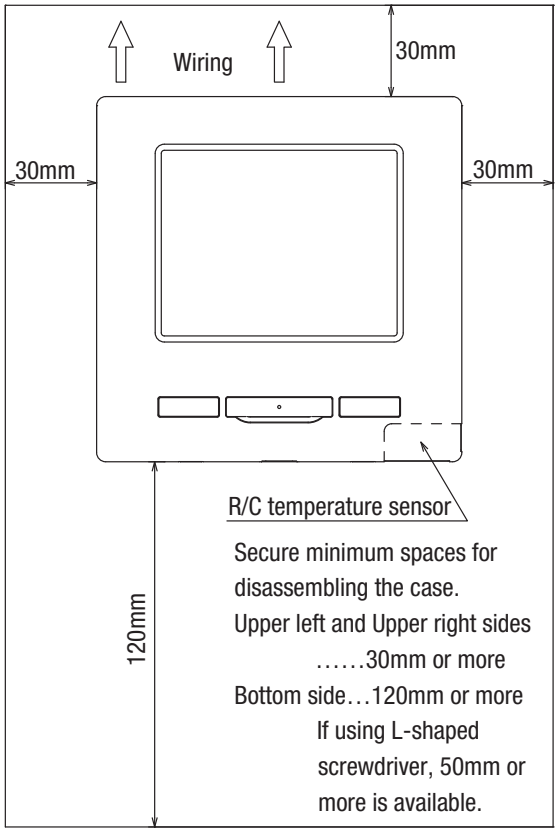
Cautions for selecting installation place

(1) Installation surface must be flat and sufficiently strong. R/C case must not be deformed.

(2) Where the R/C can detect room temperatures accurately. This is a must when detecting room temperatures with the temperature sensor of R/C.
- · Install the R/C where it can detect the average temperature in the room.
- · Install the R/C separated from a heat source sufficiently.
- · Install the R/C where it will not be influenced by the turbulence of air when the door is opened or closed.

Select a place where the R/C is not exposed to direct sunlight or blown by winds from the air conditioner or temperatures on the wall surface will not deviate largely from actual room temperature.

Installation space



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Request

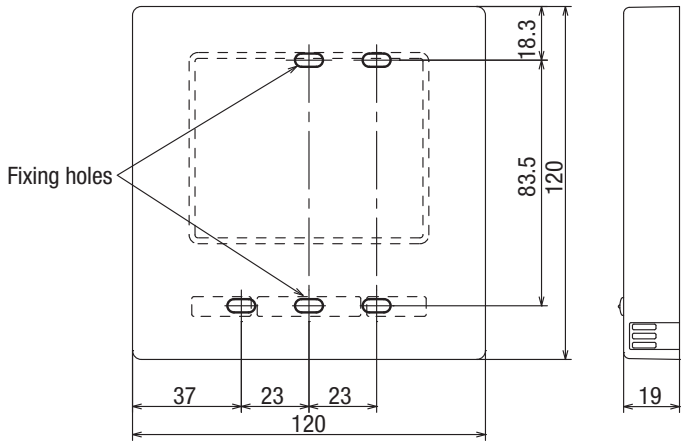
Be sure not to install R/C at a place where temperatures around the installation surface of R/C may differ largely from actual room temperature.
Difference between detected temperature and actual room temperature could cause troubles.
The correction for detected temperature by the R/C cannot offset such temperature difference because it corrects the detected temperatures itself.

Request

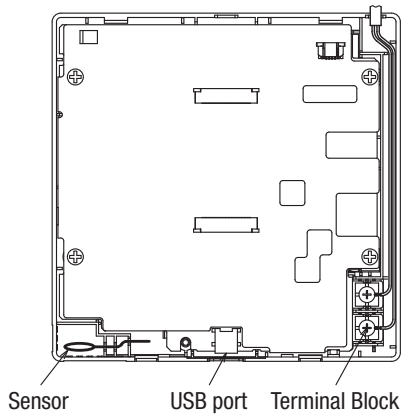
Do not install the R/C at a place where it is exposed to direct sunlight or where surrounding air temperature exceeds 40°C or drops below 0°C.
It could cause discoloration, deformation, malfunction or breakdown.

Installation procedure

Dimensions (Viewed from front)



PCB side (Viewed from rear)



① To remove the upper case from the bottom cases of R/C
· Insert the tip of flat head screwdriver or the like in the recess at the lower part of R/C and twist it lightly to remove.

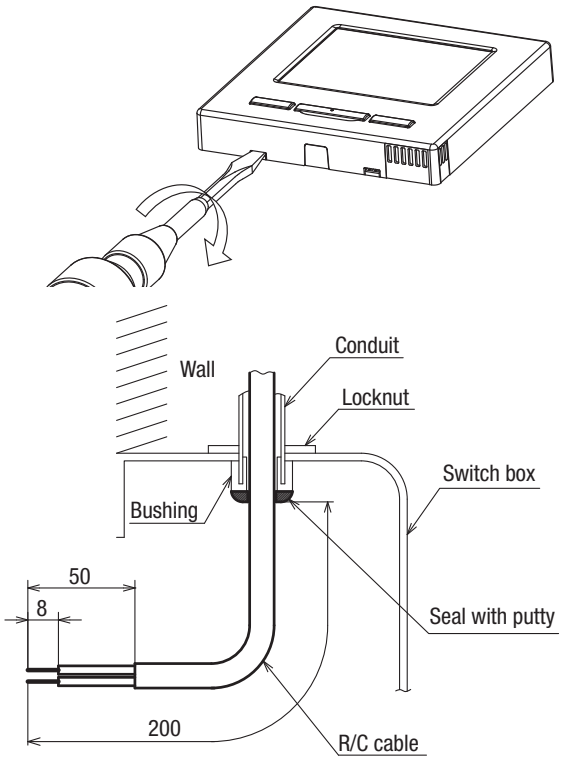
Take care to protect the removed upper case from moisture or dust.

② Connect wires from X and Y terminals of R/C to X and Y terminals of indoor unit.
R/C wires (X, Y) have no polarity.

In case of embedding wiring (When the wiring is retrieved "Backward")

③ Embed the switch box and the R/C wires beforehand.

Seal the inlet hole for the R/C wiring with putty.
● If dust or insect enters, it could cause electric shocks, fire or breakdown.



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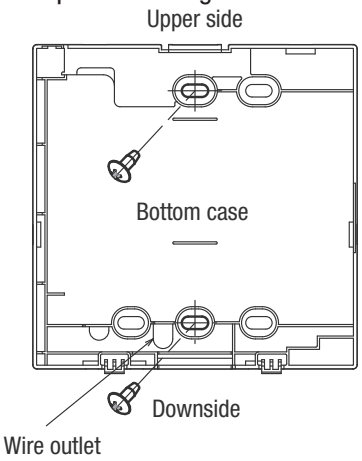
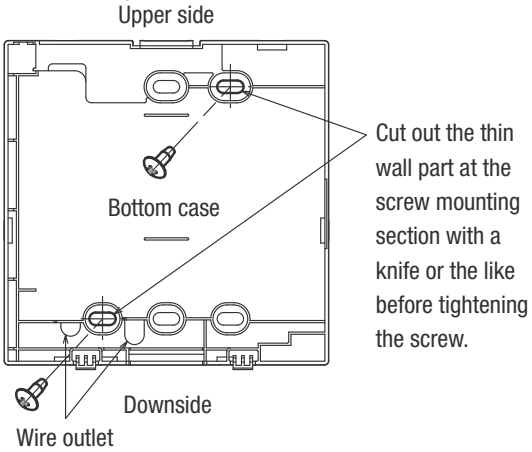
④ When wires are passed through the bottom case, fix the bottom case at 2 places on the switch box.

Switch box for 1 pc



Switch box for 2 pcs



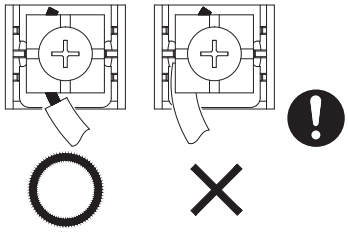
⑤ When fixing the bottom case diagonally at 2 places, cut out the thin wall section on the case.

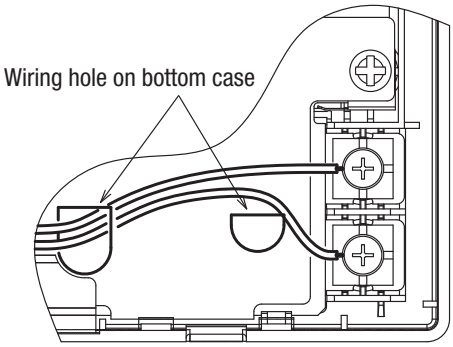
⑥ Fix wires such that the wires will run around the terminal screws on the top case of R/C.

Cautions for wire connection

Use wires of no larger than 0.5 mm^2 for wiring running through the remote control case, Take care not to pinch the sheath.

Tighten by hand (0.7 N·m or less) the wire connection. If the wire is connected using an electric driver, it may cause failure or deformation.

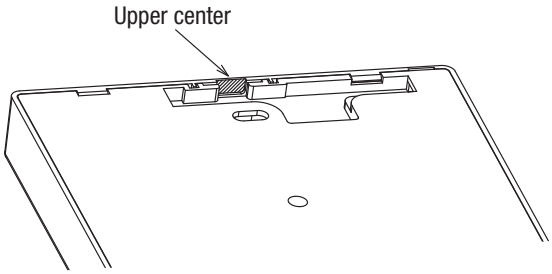




⑦ Install the upper case with care not to pinch wires of R/C.

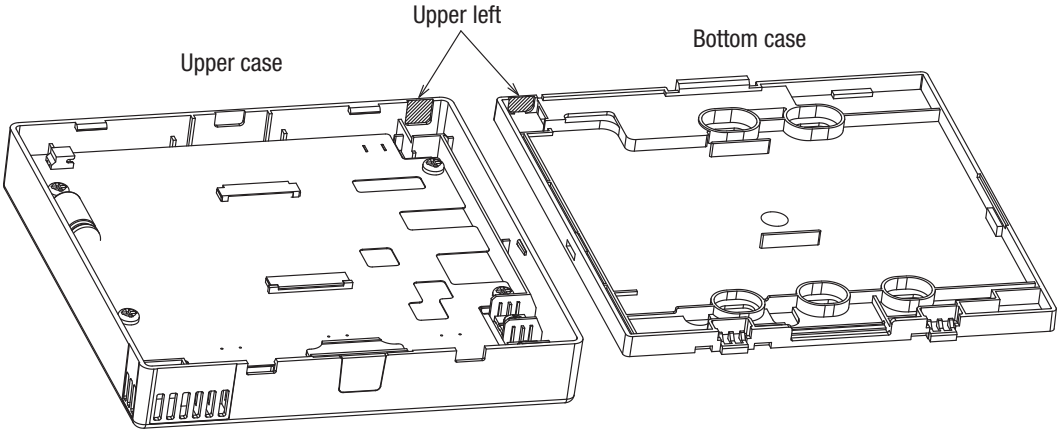
In case of exposing wiring (When the wiring is taken out from the “upper center” or “upper left” of R/C)

③ Cut out the thin wall sections on the cases for the size of wire.



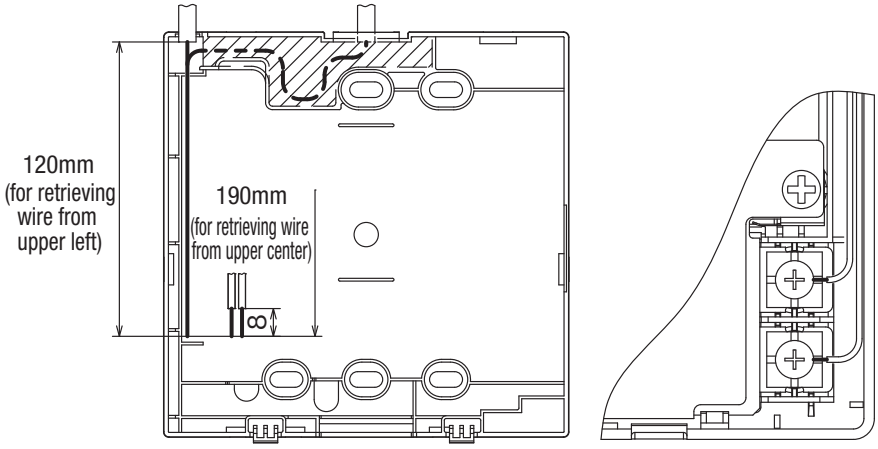
When taking the wiring out from the upper center, open a hole before separating the upper and bottom cases. This will reduce risk of damaging the PCB and facilitate subsequent work.

When taking the wiring out from the upper left, take care not to damage the PCB and not to leave any chips of cut thin wall inside.



If the hole is cut too large, moisture, dust or insects may enter.
Seal gaps with putty or the like.

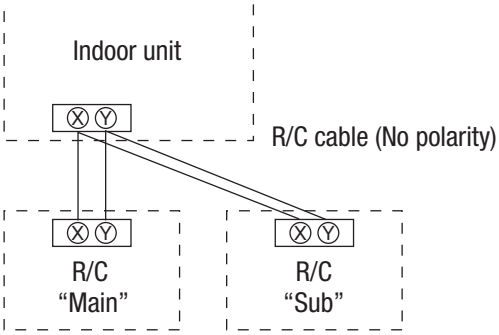
④ Fix the bottom R/C case on a flat surface with wood screws.
⑤ In case of the upper center, pass the wiring behind the bottom case. (Hatched section)
⑥ Fix wires such that the wires will run around the terminal screw of the top case of R/C.
⑦ Install the top case with care not to pinch wires of R/C.



Main/Sub setting when more than one remote control are used

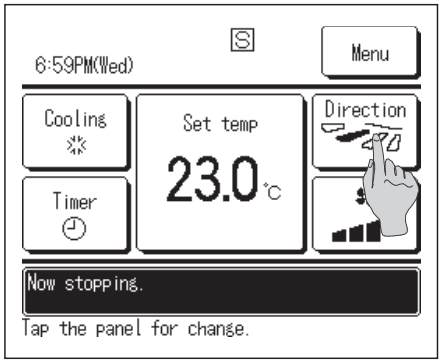
Main-Sub setting for use of two or more R/Cs

Up to two units of R/C can be used at the maximum for 1 indoor unit or 1 group.
One is main R/C and the other is sub R/C.
Operating range is different depending on the main or sub R/C.



Set the "Main" and "Sub" as described at Section 7.

R/C function	Main	Sub
Run/Stop, setting temperature, fan speed and flap direction operations	○	○
High power and energy-saving operations	○	○
Energy-saving setting	○	—
R/C sensor	○	—
Test run menu operation	○	—
Room temperature range setting	○	—
Indoor unit settings	○	—
Individual flap control	○	—
Operation data display	○	—
Error history display	○	○



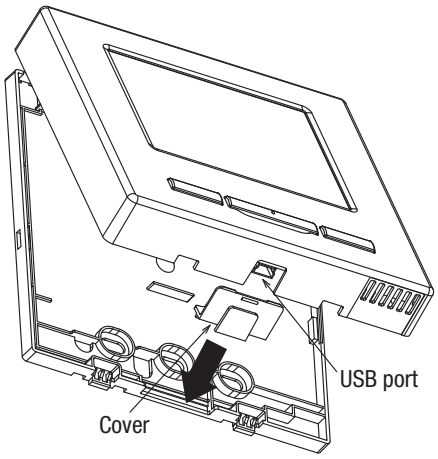
Note: Connection to personal computer

It can be set from a personal computer via the USB port (mini-B).
Connect after removing the cover for USB port of upper case.

Replace the cover after use.
If dust, insect, etc. enters, it could cause electric shocks or breakdown.

Special software is necessary for the connection.
For details, view the web site or refer to the engineering data.

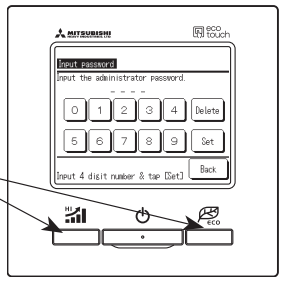
Do not connect to a personal computer without using the special software.
Do not connect the personal computer to the USB simultaneously with other USB devices.
It could cause malfunction or breakdown of R/C or personal computer.



Note: Initializing of password

Administrator password (for daily setting items) and service password (for installation, test run and maintenance) are used.

- The administrator password at factory default is “0000”. This setting can be changed (Refer to User's Manual). When the administrator password is forgotten, it can be initialized, if the [Highpower] and the [Energy-saving] buttons are pushed simultaneously for 5 seconds on the administrator password input screen.
- Service password is “9999”, which cannot be changed.
  When the administrator password is input, the service password is also accepted.

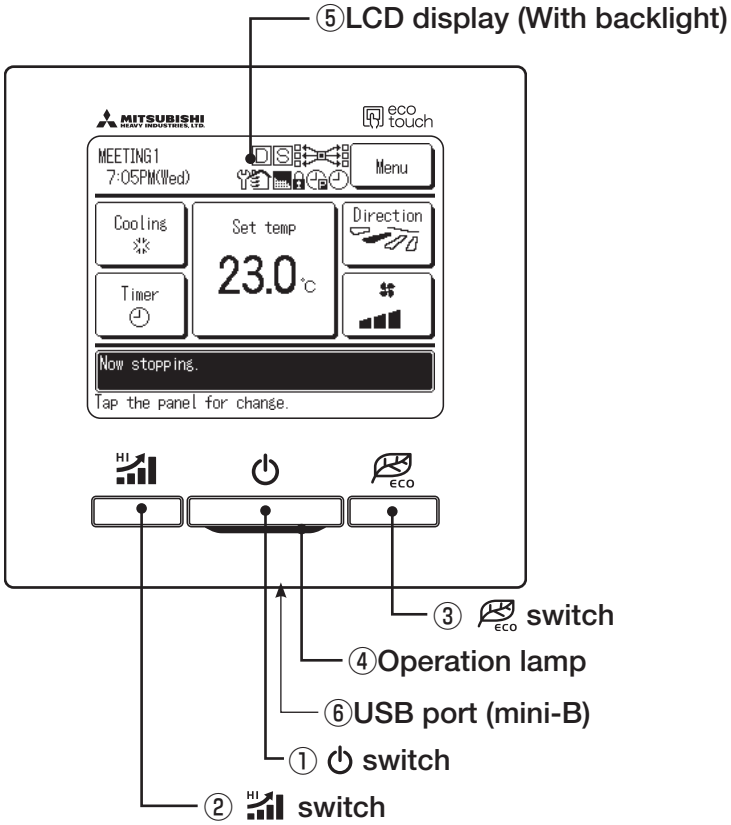


Note: Combination of R/C and indoor unit

(1) It can be used as the combination of Main and Sub with RC-E3 to -E5 type of wireless R/C (optional part).
(2) It can be combined with FD-V or FD-KX E6 type and later types of indoor units
(3) In cases of combination with FD-V or FD-KX E6 type unit, there are some controlling items which cannot be used.
If operating such items, the message “Invalid request” is displayed.

4. Functions and menu items of Remote control

Names and functions of sections on R/C (Operating section)



Touch panel system, which is operated by tapping the LCD screen with a finger, is employed for any operations other than the ① Run/Stop, ② High power and ③ Energy-saving switches.

① ⏻ switch

One push on the button starts operation and another push stops operation. (★)

② HI switch

Pushing this button starts the high-power operation. (★)

③ ECO switch

Pushing this button starts the energy-saving operation. (★)

④ Operation lamp

This lamp lights in green (yellow-green) during operation. It changes to red if any error occurs.

⑤ LCD (With backlight)

A touch on the LCD lights the backlight.
The backlight turns off automatically if there is no operation for certain period of time.
Duration of the backlight lighting can be changed. (★)
When the backlight is setting ON, if the screen is tapped while the backlight is turned off, the backlight only is turned on. (Operations of switches ①, ② and ③ are excluded.)

⑥ USB port

USB connector (mini-B) allows connecting to a personal computer.
For operating methods, refer to the User's manual attached to the software for personal computer (Utility software of Eco-touch remote control RC-EX1)

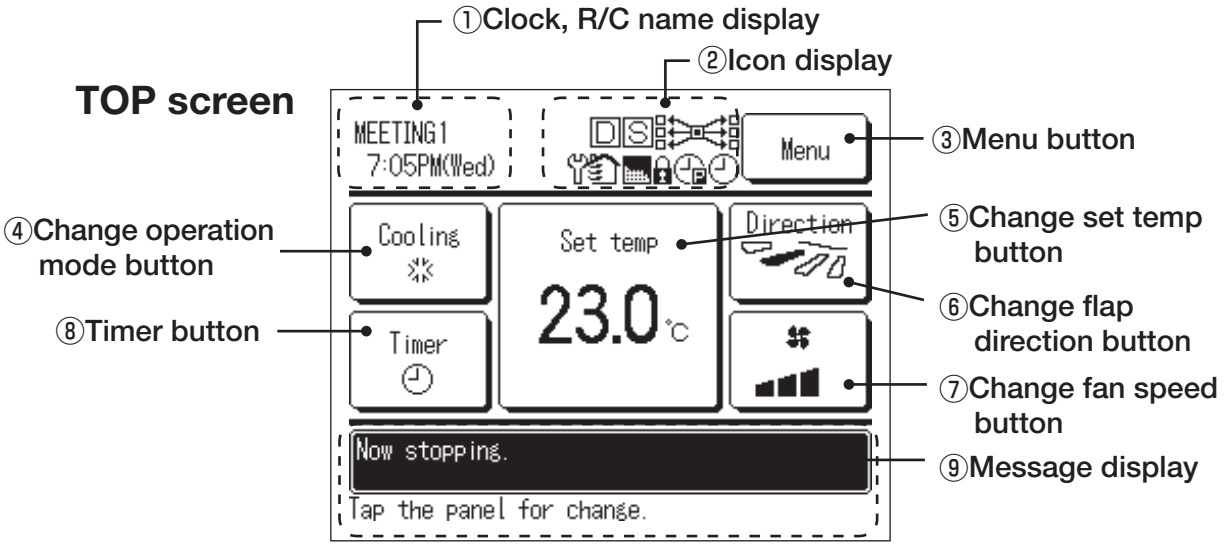
Request

· When connecting to a personal computer, do not connect simultaneously with other USB devices.
Please be sure to connect to the computer directly, without going through a hub, etc.

★ See User's manual for details.

Names and functions of sections on R/C (Display)

* All icons are shown for explanation.



① Clock, R/C name display

Displays the current time (★) and the name of R/C (★)

② Icon display

Each icon is displayed when one of following settings is going on.

When the peak-cut timer is set.

When setting is made from the sub R/C. (★)

When the central control (Optional) is running.

When the periodical inspection is necessary. (★)

During the ventilation operation (★)

When "filter sign" is up. (★)

When the Permission/ Prohibition setting is made. (★)

When the weekly timer is set. (★)

When the paek-cut timer is set. (★)

③ Menu button

When setting or changing other than the following ④ – ⑧, touch the menu button. When menu items are displayed, select one and set.

④ Change operation mode button (★)

Displays the operation mode which is selected currently. Tap this button to change the operation mode.

⑤ Change set temp button (★)

Displays the temperature which is set currently. Tap this button to change the set temperature.

⑥ Flap direction button (★)

Displays the flap direction which is selected currently. Tap this button to change the flap direction.

⑦ Fan speed change button (★)

Displays the fan speed which is selected currently. Tap this button to change the fan speed.

⑧ Timer button (★)

Displays simplified contents of the timer which is set currently.
(When two or more timers are set, a content of the timer which will be operated immediately after is displayed.)
Tap this button to set the timer.

⑨ Message display

Operation status of air conditioner and messages related to R/C operations, etc, are displayed.

★ See User's manual for details.

PJA012D730A

(b) Model : RC-E5(Option parts)

Read together with indoor unit's installation manual.

⚠WARNING

- Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal.
  Loose connection or hold will cause abnormal heat generation or fire.
- Make sure the power supply is turned off when electric wiring work.
  Otherwise, electric shock, malfunction and improper running may occur.

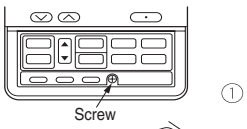
⚠CAUTION

- DO NOT install the remote controller at the following places in order to avoid malfunction.
  (1) Places exposed to direct sunlight
  (2) Places near heat devices
  (3) High humidity places
  (4) Hot surface or cold surface enough to generate condensation
  (5) Places exposed to oil mist or steam directly
  (6) Uneven surface
- DO NOT leave the remote controller without the upper case.
  In case the upper cace needs to be detached, protect the remote controller with a packaging box or bag in order to keep it away from water and dust.

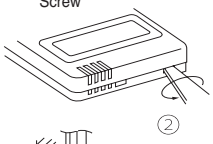
Accessories	Remote controller, wood screw (ø3.5×16) 2 pieces
Prepare on site	Remote controller cord (2 cores) the insulated thickness in 1mm or more. [In case of embedding cord] Erectrical box, M4 screw (2 pieces) [In case of exposing cord] Cord clamp (if needed)

Installation procedure

① Open the cover of remote controller , and remove the screw under the buttons without fail.

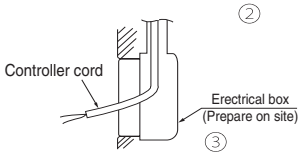


② Remove the upper case of remote controller.
Insert a flat-blade screwdriver into the dented part of the upper part of the remote controller, and wrench slightly.

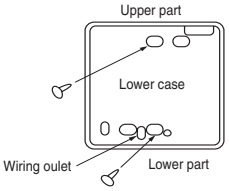


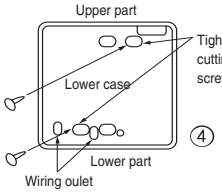
[In case of embedding cord]

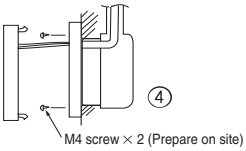
③ Embed the erectrical box and remote controller cord beforehand.



④ Prepare two M4 screws (recommended length is 12-16mm) on site, and install the lower case to erectrical box.
Choose either of the following two positions in fixing it with screws.

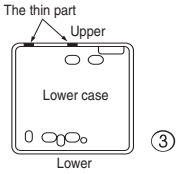






⑤ Connect the remote controller cord to the terminal block.
Connect the terminal of remote controller (X,Y) with the terminal of indoor unit (X,Y). (X and Y are no polarity)

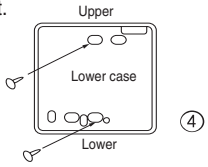
⑥ Install the upper case as before so as not to catch up the remote controller cord, and tighten with the screws.



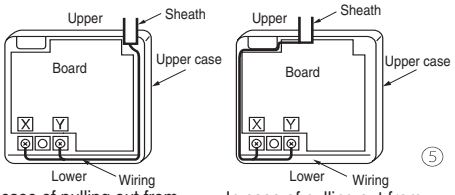
[In case of exposing cord]

③ You can pull out the remote controller cord from left upper part or center upper part.
Cut off the upper thin part of remote controller lower case with a nipper or knife, and grind burrs with a file etc.

④ Install the lower case to the flat wall with attached two wooden screws.



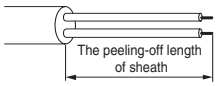
⑤ Connect the remote controller cord to the terminal block.
Connect the terminal of remote controller (X,Y) with the terminal of indoor unit (X,Y).
(X and Y are no polarity)
Wiring route is as shown in the right diagram depending on the pulling out direction.



In case of pulling out from upper left
In case of pulling out from upper center

The wiring inside the remote controller case should be within 0.3mm^2 (recommended) to 0.5mm^2.
The sheath should be peeled off inside the remote controller case.
The peeling-off length of each wire is as below.

Pulling out from upper left	Pulling out from upper center
X wiring : 215mm Y wiring : 195mm	X wiring : 170mm Y wiring : 190mm



⑥ Install the upper case as before so as not to catch up the remote controller cord, and tighten with the screws.
⑦ In case of exposing cord, fix the cord on the wall with cord clamp so as not to slack.

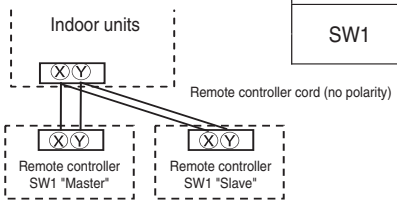
Installation and wiring of remote controller

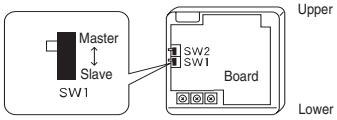
① Wiring of remote controller should use 0.3mm^2 × 2 core wires or cables. (on-site configuration)
② Maximum prolongation of remote controller wiring is 600 m.
If the prolongation is over 100m, change to the size below.
But, wiring in the remote controller case should be under 0.5mm^2 . Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.
100 - 200m·····0.5mm^2 × 2 cores
Under 300m·····0.75mm^2 × 2 cores
Under 400m·····1.25mm^2 × 2 cores
Under 600m·····2.0mm^2 × 2 cores

Master/ slave setting when more than one remote controllers are used

A maximum of two remote controllers can be connected to one indoor unit (or one group of indoor units.)

Switch	Setting	Contents
SW1	M	Master remote controller
	S	Slave remote controller



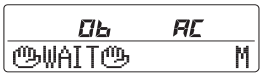


Set SW1 to "Slave" for the slave remote controller. It was factory set to "Master" for shipment.
Note: The setting "Remote controller thermistor enabled" is only selectable with the master remote controller in the position where you want to check room temperature.
The air conditioner operation follows the last operation of the remote controller regardless of the master/ slave setting of it.

The indication when power source is supplied

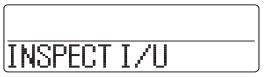
When power source is turned on, the following is displayed on the remote controller until the communication between the remote controller and indoor unit settled.
Master remote controller : "WAIT M"
Slave remote controller : "WAIT S"

At the same time, a mark or a number will be displayed for two seconds first.
This is the software's administration number of the remote controller, not an error cord.



※ The left mark is only an example. Other marks may appear.

When remote controller cannot communicate with the indoor unit for half an hour, the below indication will appear.
Check wiring of the indoor unit and the outdoor unit etc.



The range of temperature setting

When shipped, the range of set temperature differs depending on the operation mode as below.

Heating : 16~30˚C (55~86˚F)

Except heating (cooling, fan, dry, automatic) : 18~30˚C (62~86˚F)

●Upper limit and lower limit of set temperature can be changed with remote controller.

Upper limit setting: valid during heating operation. Possible to set in the range of 20 to 30˚C (68 to 86˚F).

Lower limit setting: valid except heating (automatic, cooling, fan, dry) Possible to set in the range of 18 to 26˚C (62 to 79˚F).

When you set upper and lower limit by this function, control as below.

1. When ⑫ TEMP RANGE SET, remote controller function of function setting mode is "INDN CHANGE" (factory setting),

   【If upper limit value is set】

   During heating, you cannot set the value exceeding the upper limit.

   【If lower limit value is set 】

   During operation mode except heating, you cannot set the value below the lower limit.

2. When ⑫ TEMP RANGE SET, remote controller function of function setting mode is "NO INDN CHANGE"

   【If upper limit value is set】

   During heating, even if the value exceeding the upper limit is set, upper limit value will be sent to the indoor unit. But, the indication is the same as the temperature set.

   【If lower limit value is set 】

   During except heating, even if the value lower than the lower limit is set, lower limit value will be sent to the indoor unit. But, the indication is the same as the temperature set.

●How to set upper and lower limit value

1. Stop the air-conditioner, and press (SET) and (MODE) button at the same time for over three seconds .

   The indication changes to "FUNCTION SET ▼".
2. Press ▼ button once, and change to the "TEMP RANGE ▲ " indication.
3. Press (SET) button, and enter the temperature range setting mode.
4. Select "UPPER LIMIT ▼" or "LOWER LIMIT ▲" by using ▲ ▼ button.
5. Press (SET) button to fix.
6. When "UPPER LIMIT ▼" is selected (valid during heating)

   ① Indication: " ∨ ∧ SET UP" → "UPPER 30˚C ∨"

   ② Select the upper limit value with temperature setting button ∨ ∧. Indication example: "UPPER 26˚C ∨ ∧" (blinking)

   ③ Press (SET) button to fix. Indication example: "UPPER 26˚C" (Displayed for two seconds)

   After the fixed upper limit value displayed for two seconds, the indication will return to "UPPER LIMIT ▼".
7. When "LOWER LIMIT ▲" is selected (valid during cooling, dry, fan, automatic)

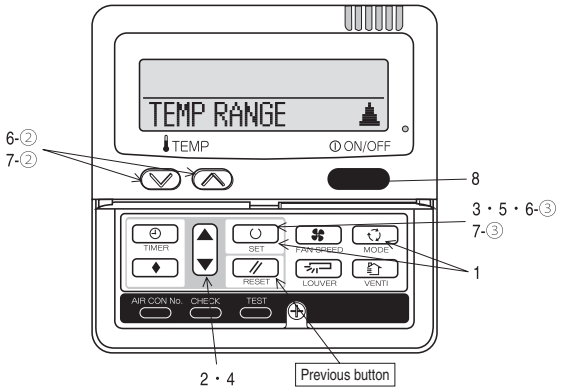
   ① Indication: " ∨ ∧ SET UP" → "LOWER 18˚C ∧"

   ② Select the lower limit value with temperature setting button ∨ ∧. Indication example: "LOWER 24˚C ∨ ∧" (blinking)

   ③ Press (SET) button to fix. Indication for example: "LOWER 24˚C" (Displayed for two seconds)

   After the fixed lower limit value displayed for two seconds, the indication will return to "LOWER LIMIT ▼".
8. Press ON/OFF button to finish.

- It is possible to finish by pressing ON/OFF button on the way, but unfinished change of setting is unavailable.
- During setting, if you press (RESET) button, you return to the previous screen.



The functional setting

● The initial function setting for typical using is performed automatically by the indoor unit connected, when remote controller and indoor unit are connected.
As long as they are used in a typical manner, there wiil be no need to change the initial settings.
If you would like to change the initial setting marked "○", set your desired setting as for the selected item.
The procedure of functional setting is shown as the following diagram.

[Flow of function setting]

Start : Stop air-conditioner and press "◯" (SET) and "⟲" (MODE) buttons at the same time for over three seconds.
Finalize : Press "◯" (SET) button.
Reset : Press "⁄⁄" (RESET) button.
Select : Press ▲ ▼ button.
End : Press ON/OFF button.
It is possible to finish above setting on the way, and unfinished change of setting is unavailable.
"○" : Initial settings
"※" : Automatic criterion

Record and keep the setting

Consult the technical data etc. for each control details

Stop air-conditioner and press ◯ (SET) + ⟲ (MODE) buttons at the same time for over three seconds.

FUNCTION SET ▼

FUNCTION ▼ (Remote controller function)

Function	setting		
01 ESP SET	ESP VALID	○	Validate setting of ESP:External Static Pressure
	ESP INVALID		Invalidate setting of ESP
02 AUTO RUN SET	AUTO RUN ON	※	
	AUTO RUN OFF	※	Automatical operation is impossible
03 TEMP SW	VALID	○	
	INVALID		Temperature setting button is not working
04 MODE SW	VALID	○	
	INVALID		Mode button is not working
05 ON/OFF SW	VALID	○	
	INVALID		On/Off button is not working
06 FAN SPEED SW	VALID	※	
	INVALID	※	Fan speed button is not working
07 LOUVER SW	VALID	※	
	INVALID	※	Louver button is not working
08 TIMER SW	VALID	○	
	INVALID		Timer button is not working
09 SENSOR SET	SENSOR OFF	○	Remote thermistor is not working.
	SENSOR ON		Remote thermistor is working.
	SENSOR +3.0℃		Remote thermistor is working, and to be set for producing +3.0˚C increase in temperature.
	SENSOR +2.0℃		Remote thermistor is working, and to be set for producing +2.0˚C increase in temperature.
	SENSOR +1.0℃		Remote thermistor is working, and to be set for producing +1.0˚C increase in temperature.
	SENSOR −1.0℃		Remote thermistor is working, and to be set for producing -1.0˚C increase in temperature.
	SENSOR −2.0℃		Remote thermistor is working, and to be set for producing -2.0˚C increase in temperature.
	SENSOR −3.0℃		Remote thermistor is working, and to be set for producing -3.0˚C increase in temperature.
10 AUTO RESTART	INVALID	○	
	VALID		
11 VENT LINK SET	NO VENT	○	
	VENT LINK		In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VRF series, by connecting it to CND of the indoor printed circuit board), the operation of ventilation device is linked with the operation of indoor unit.
	NO VENT LINK		In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VRF series, by connecting it to CND of the indoor printed circuit board), you can operate /stop the ventilation device independently by (VENT) button.
12 TEMP RANGE SET	INDN CHANGE	○	If you change the range of set temperature, the indication of set temperature will vary following the control.
	NO INDN CHANGE		If you change the range of set temperature, the indication of set temperature will not vary following the control, and keep the set temperature.
13 I/U FAN	HI-MID-LO	※	Airflow of fan becomes the three speed of ...
	HI-LO	※	Airflow of fan becomes the two speed of ...
	HI-MID		Airflow of fan becomes the two speed of ...
	1 FAN SPEED	※	Airflow of fan is fixed at one speed.
14 POSITION			If you change the remote controller function "14 POSITION", you must change the indoor function "04 POSITION" accordingly.
	4POSITION STOP	○	You can select the louver stop position in the four.
	FREE STOP		The louver can stop at any position.
15 MODEL TYPE	HEAT PUMP	※	
	COOLING ONLY	※	
16 EXTERNAL CONTROL SET	INDIVIDUAL	○	If you input signal into CNT of the indoor printed circuit board from external, the indoor unit will be operated independently according to the input from external.
	FOR ALL UNITS		If you input into CNT of the indoor printed circuit board from external, all units which connect to the same remote controller are operated according to the input from external.
17 ROOM TEMP INDICATION SET	INDICATION OFF	○	
	INDICATION ON		In normal working indication, indoor unit temperature is indicated instead of airflow. (Only the master remote controller can be indicated.)
18 INDICATION	INDICATION ON	○	
	INDICATION OFF		Heating preparation indication should not be indicated.
19 ℃/℉ SET	℃	○	Temperature indication is by degree C
	℉		Temperature indication is by degree F

(Indoor unit function) I/U FUNCTION ▲

Indoor unit No. are indicated only when plural indoor units are connected.

I/U000 ▲, I/U001, I/U002, I/U003, I/U004

To set other indoor unit, press AIRCON NO. button, which allows you to go back to the indoor unit selection screen (for example: I/U 000 ▲).

Function	setting		
02 FAN SPEED SET	STANDARD	※	
	HIGH SPEED 1	※	
	HIGH SPEED 2		
03 FILTER SIGN SET	INDICATION OFF		
	TYPE 1	○	The filter sign is indicated after running for 180 hours.
	TYPE 2		The filter sign is indicated after running for 600 hours.
	TYPE 3		The filter sign is indicated after running for 1000 hours.
	TYPE 4		The filter sign is indicated after running for 1000 hours, then the indoor unit will be stopped by compulsion after 24 hours.
04 POSITION			If you change the indoor function "04 POSITION", you must change the remote controller function "14 POSITION" accordingly.
	4POSITION STOP	○	You can select the louver stop position in the four.
	FREE STOP		The louver can stop at any position.
05 EXTERNAL INPUT	LEVEL INPUT	○	
	PULSE INPUT		
06 OPERATION PERMISSION/PROHIBITION	INVALID	○	
	VALID		Permission/prohibition control of operation will be valid.
07 EMERGENCY STOP	INVALID	○	
	VALID		With the VRF series, it is used to stop all indoor units connected with the same outdoor unit immediately. When stop signal is inputed from remote on-off terminal "CNT-6", all indoor units are stopped immediately.
08 SP OFFSET	OFFSET +3.0℃		To be reset for producing +3.0˚C increase in temperature during heating.
	OFFSET +2.0℃		To be reset for producing +2.0˚C increase in temperature during heating.
	OFFSET +1.0℃		To be reset for producing +1.0˚C increase in temperature during heating.
	NO OFFSET	○	
09 RETURN AIR TEMP	OFFSET +2.0℃		To be reset producing +2.0˚C increase in return air temperature of indoor unit.
	OFFSET +1.5℃		To be reset producing +1.5˚C increase in return air temperature of indoor unit.
	OFFSET +1.0℃		To be reset producing +1.0˚C increase in return air temperature of indoor unit.
	NO OFFSET	○	
	OFFSET −1.0℃		To be reset producing -1.0˚C increase in return air temperature of indoor unit.
	OFFSET −1.5℃		To be reset producing -1.5˚C increase in return air temperature of indoor unit.
	OFFSET −2.0℃		To be reset producing -2.0˚C increase in return air temperature of indoor unit.
10 FAN CONTROL	LOW FAN SPEED	○	When heating thermostat is OFF, fan speed is low speed.
	SET FAN SPEED		When heating thermostat is OFF, fan speed is set speed.
	INTERMITTENCE		When heating thermostat is OFF, fan speed is operated intermittently.
	FAN OFF		When heating thermostat is OFF, the fan is stopped. When the remote thermistor is working, "FAN OFF" is set automatically. Do not set "FAN OFF" when the indoor unit's thermistor is working.
11 FROST PREVENTION TEMP			Change of indoor heat exchanger temperature to start frost prevention control.
	TEMP HIGH		
	TEMP LOW	○	
12 FROST PREVENTION CONTROL			Working only with the Single split series.
	FAN CONTROL ON	○	To control frost prevention, the indoor fan tap is raised.
	FAN CONTROL OFF		
13 DRAIN PUMP LINK	(cooling)(dry)	○	Drain pump is run during cooling and dry.
	(cooling)(dry) AND (heating)		Drain pump is run during cooling, dry and heating.
	(cooling)(dry) AND (heating) AND (fan)		Drain pump is run during cooling, dry, heating and fan.
	(cooling)(dry) AND (fan)		Drain pump is run during cooling, dry and fan.
14 FAN REMAINING	NO REMAINING	○	After cooling is stopped is OFF, the fan does not perform extra operation.
	0.5 HOUR		After cooling is stopped is OFF, the fan perform extra operation for half an hour.
	1 HOUR		After cooling is stopped is OFF, the fan perform extra operation for an hour.
	6 HOUR		After cooling is stopped is OFF, the fan perform extra operation for six hours.
15 FAN REMAINING	NO REMAINING	○	After heating is stopped or heating thermostat is OFF, the fan does not perform extra operation.
	0.5 HOUR		After heating is stopped or heating thermostat is OFF,the fan perform extra operation for half an hour.
	2 HOUR		After heating is stopped or heating thermostat is OFF,the fan perform extra operation for two hours.
	6 HOUR		After heating is stopped or heating thermostat is OFF, the fan perform extra operation for six hours.
16 FAN INTERMITTENCE	NO REMAINING	○	
	20minOFF 5minON		During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five minutes with low fan speed after twenty minutes' OFF.
	5minOFF 5minON		During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five minutes with low fan speed after five minutes' OFF.
17 PRESSURE CONTROL	STANDARD	※	
	TYPE1	※	Connected "OA Processing" type indoor unit, and is automatically defined.

ON/OFF button (finished)

Note 1: The initial setting marked "※" is decided by connected indoor and outdoor unit, and is automatically defined as following table.

Function No.	Item	Default	Model
Remote controller function02	AUTO RUN SET	AUTO RUN ON	"Auto-RUN" mode selectable indoor unit.
		AUTO RUN OFF	Indoor unit without "Auto-RUN" mode
Remote controller function06	FAN SPEED SW	VALID	Indoor unit with two or three step of air flow setting
		INVALID	Indoor unit with only one of air flow setting
Remote controller function07	LOUVER SW	VALID	Indoor unit with automatically swing louver
		INVALID	Indoor unit without automatically swing louver
Remote controller function13	I/U FAN	HI-MID-LO	Indoor unit with three step of air flow setting
		HI-LO	Indoor unit with two step of air flow setting
		HI-MID	
		1 FAN SPEED	Indoor unit with only one of air flow setting
Remote controller function15	MODEL TYPE	HEAT PUMP	Heat pump unit
		COOLING ONLY	Exclusive cooling unit

Note 3: As for plural indoor unit, set indoor functions to each master and slave indoor unit.
But only master indoor unit is received the setting change of indoor unit function "05 EXTERNAL INPUT" and "06 PERMISSION / PROHIBISHION".

Note2: Fan setting of "HIGH SPEED"

Fan tap		Indoor unit air flow setting			
FAN SPEED SET	STANDARD	UH - Hi - Me - Lo	Hi - Me - Lo	Hi - Lo	Hi - Me
	HIGH SPEED1, 2	UH - UH - Hi - Me	UH - Hi - Me	UH - Me	UH - Hi

Initial function setting of some indoor unit is "HIGH SPEED".

How to set function

1. **Stop air-conditioner and press (SET) (MODE) buttons at the same time for over three seconds, and the "FUNCTION SET ▼" will be displayed.**

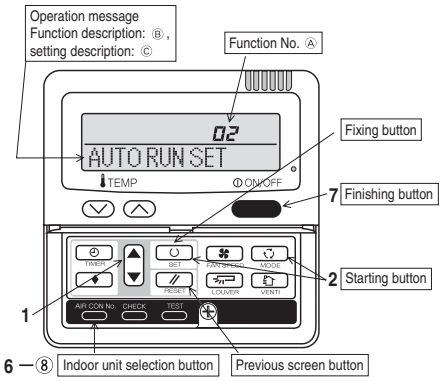
   FUNCTION SET ▼

2. **Press (SET) button.**
3. **Make sure which do you want to set, "FUNCTION ▼" (remote controller function) or "I/U FUNCTION ▲" (indoor unit function).**
4. **Press ▲ or ▼ button.**
   Selecct "FUNCTION ▼" (remote controller function) or "I/U FUNCTION ▲" (indoor unit function).

   FUNCTION ▼

   I/U FUNCTION ▲

5. **Press (SET) button.**



6. **【On the occasion of remote controller function selection】**

   ① "DATA LOADING" (Indication with blinking)
   ↓
   Display is changed to "01 ESP SET".

   ② Press ▲ or ▼ button.
   "No. and function"are indicated by turns on the remote controller function table, then you can select from them.
   (For example)

   02 ← Function No.
   AUTO RUN SET ← Function

   ③ Press (SET) button.
   The current setting of selected function is indicated.
   (for example) "AUTO RUN ON" ← If "02 AUTO RUN SET" is selected

   02
   AUTO RUN ON ← Setting

   ④ Press ▲ or ▼ button.
   Select the setting.

   02
   AUTO RUN ON
   ↕
   02
   AUTO RUN OFF

   ⑤ Press (SET)
   "SET COMPLETE" will be indicated, and the setting will be completed.
   Then after "No. and function" indication returns, Set as the same procedure if you want to set continuously ,and if to finish, go to 7.

   02
   SET COMPLETE

7. **Press ON/OFF button.**
   Setting is finished.

【On the occasion of indoor unit function selection】

① "DATA LOADING" (Blinking for 2 to 23 seconds to read the data)
↓
Indication is changed to "02 FAN SPEED SET".
Go to ②.

[Note]

(1) If plural indoor units are connected to a remote controller, the indication is "I/U 000" (blinking) ← The lowest number of the indoor unit connected is indicated.

I/U000 ▲

(2) Press ▲ or ▼ button.
Select the number of the indoor unit you are to set
If you select "ALL UNIT ▼", you can set the same setting with all unites.

(3) Press (SET) button.

② Press ▲ or ▼ button.
"No. and function" are indicated by turns on the indoor unit function table, then you can select from them.
(For example)

02 ← Function No.
FAN SPEED SET ← Function

③ Press (SET) button.
The current setting of selected function is indicated.
(For example) "STANDARD" ← If "02 FAN SPEED SET" is selected.

02
STANDARD ← Setting

④ Press ▲ or ▼ button.
Select the setting.

⑤ Press (SET) button.
"SET COMPLETE" will be indicated, and the setting will be completed.
Then after "No. and function" indication returns, set as the same procedure if you want to set continuously , and if to finish, go to 7.

02
SET COMPLETE

※ When plural indoor units are connected to a remote controller, press the AIRCON NO. button, which allows you to go back to the indoor unit selection screen. (example "I/U 000 ▲")

- It is possible to finish by pressing ON/OFF button on the way, but unfinished change of setting is unavailable.
- During setting, if you press (RESET) button, you return to the previous screen.
- Setting is memorized in the controller and it is saved independently of power failure.

【How to check the current setting】

When you select from "No. and funcion" and press set button by the previous operation, the "Setting" displayed first is the current setting.
(But, if you select "ALL UNIT ▼", the setting of the lowest number indoor unit is displayed.)

4 OPTION PARTS

4.1 Wireless kit

⚠ WARNING

- Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal.
  Loose connection or hold will cause abnormal heat generation or fire.

- Make sure the power supply is turned off when electric wiring work.
  Otherwise, electric shock, malfunction and improper running may occur.

⚠ CAUTION

- DO NOT install the wireless kit at the following places in order to avoid malfunction.
  (1) Places exposed to direct sunlight
  (2) Places near heat devices
  (3) High humidity places
  (4) Hot surface or cold surface enough to generate condensation
  (5) Places exposed to oil mist or steam directly
  (6) Uneven surface
  (7) Places affected by the direct airflow of the AC unit.
  (8) Places where the receiver is influenced by the fluorescent lamp (especially inverter type) or sunlight.
  (9) Places where the receiver is affected by infrared rays of any other communication devices
  (10) Places where some object may obstruct the communication with the remote controller

- DO NOT leave the wireless kit without the cover.
  In case the cover needs to be detached, protect the receiver with a packaging box or bag in order to keep it away from water and dust.

Attention

- Instruct the customer how to operate it correctly referring to the instruction manual.
- User's manual of a wireless remote controller is attached to a indoor unit or a outside unit.
- Read this together with a manual attached to this kit.

Notes:
Following functions of indoor unit series are not able to be set with this wireess remote controller.
4-fan speed setting (PHi/Hi/Me/Lo) → 3-fan speed setting (Hi/Me/Lo)

(a) FDT Series (RCN-T-36W-E)

The FDT series is an exclusive series with all wired models. However, these models can also be used wireless units by using the optional wireless kit.

(1) Wireless kit model

Model
RCN-T-36W-E

(2) Accessories

Please make sure that you have all of the following accessories.

Receiver		1	Remote controller holder		1
Wireless remote controller		1	Wood screw for holder		2
Parts set		1	AAA dry cell battery (RO3)		2

(3) How to install the receiver

The receiver can be installed by replacing with a corner panel on the applicable decorative panel.

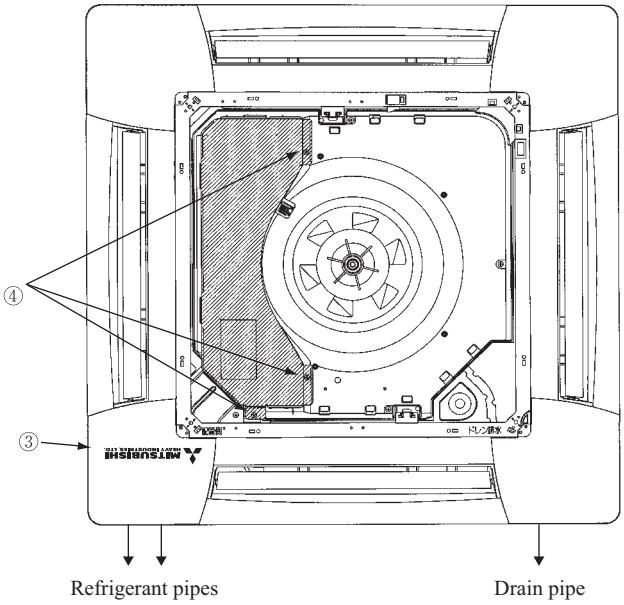
Preparation before installation

① Attach the decorative panel onto the air conditioner according to the installation manual for the panel.

② Remove the air return grille.

③ Remove a corner panel located on the refrigerant pipes side.

④ Remove three screws and detach the cover (indicated as shadowed area) from the control box of the air conditioner.



Setting on site

① PCB on the receiver has the following switches to set the functions. Default setting is shown with ☐ mark.

SW1	Customized signal setting to avoid mixed communication	ON : Normal OFF : Remote
SW2	Receiver master/slave setting	ON : Master OFF : Slave
SW3	Buzzer valid/Invalid	ON : Valid OFF : Invalid
SW4	Auto restart	ON : Valid OFF : Invalid

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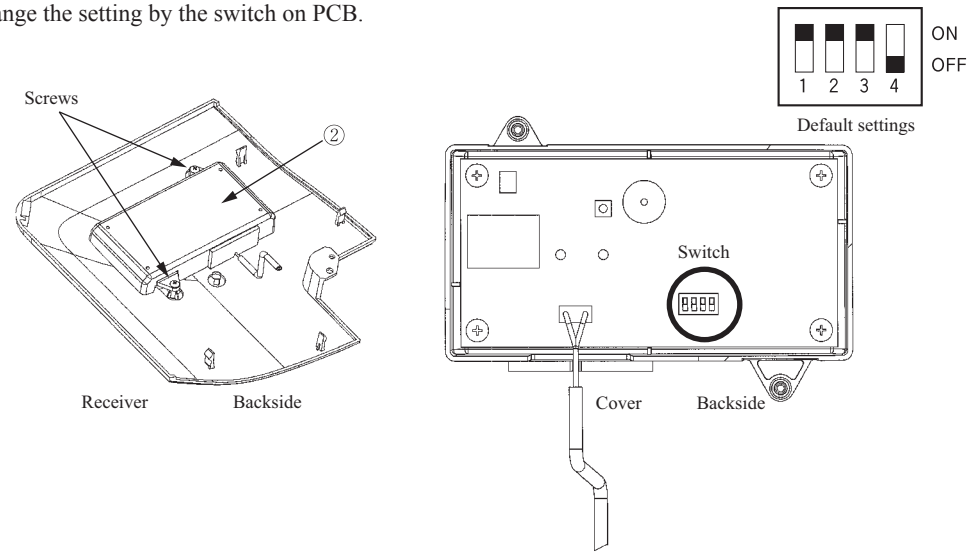
② Remove the cover by unscrewing two screws from the back of receiver.

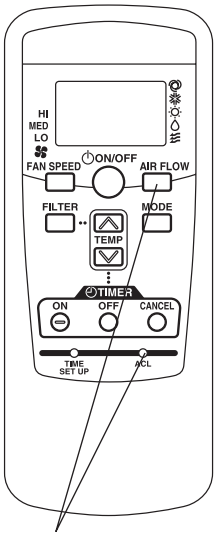
③ Change the setting by the switch on PCB.



④ When SW1 is turned to OFF position, change the corresponding remote controller setting as follows:

How to change the remote controller setting

Pressing ACL and AIR FLOW button at the same time or inserting the batteries with pressing AIR FLOW button will customize the signal.



Radio interference prevention mode

Note

* When the batteries are removed, the setting will return to the default setting.
  Please make sure to reset it when the batteries are replaced.

Caution

Instruct the customer to set the mentioned above when replacing the batteries.
(How to set is also mentioned in the user's manual attached on the air conditioner.)

Installation of the receiver

① Loosen the bolts which fix the panel and make a gap between the panel and the indoor unit

② Put the wiring of the receiver through the opening.

③ Put the wiring on the notch on the control box so as not to be pinched by the control box and lid as shown below.

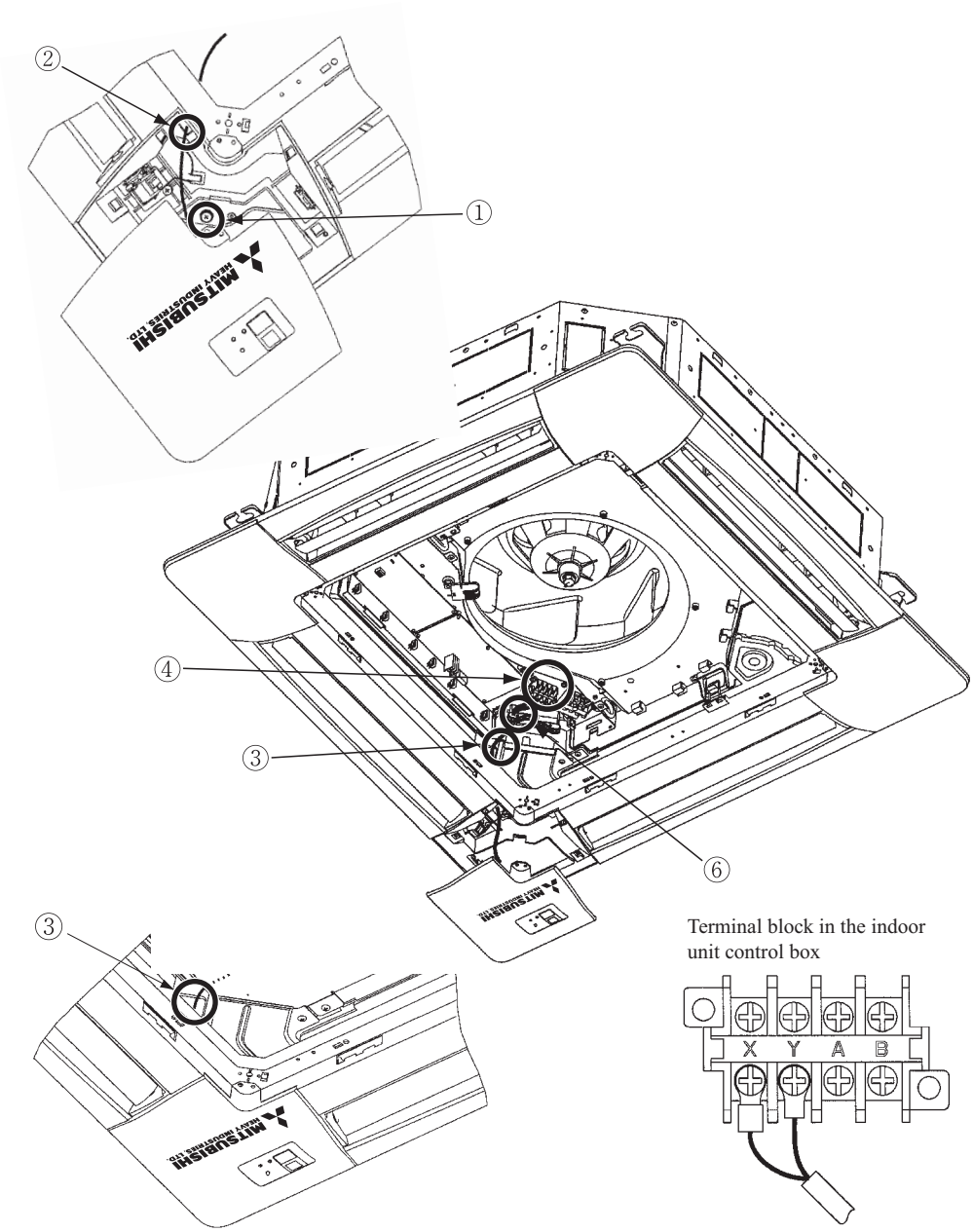
④ Connect the wiring to the terminal block provided in the control box. (Non- polarized)

⑤ Attach the receiver to the panel according to the panel installation manual.

⑥ Fix the wiring with the clamp so that the wiring do not contact the edge of control box's metal sheet.

⑦ Reattach the control box lid with 3 screws removed.

*Note: Make sure the wires not to be pinched by any other parts like panel, control box and indoor unit.



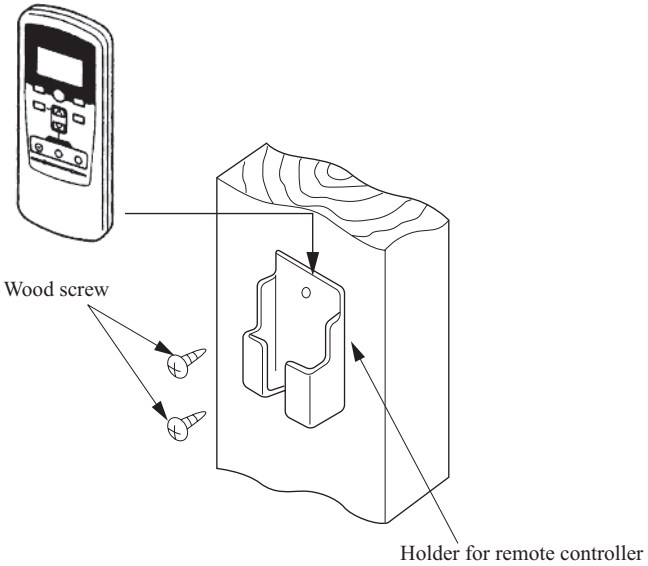
(4) Remote controller

Installation of the controller holder

Caution

DO NOT install it on the following places

1. Places exposed to direct sunlight
2. Places near heat devices
3. High humidity places
4. Hot surface or cold surface enough to generate condensation
5. Places exposed to oil mist or steam directly.
6. Uneven surface



Installation tips for the remote controller holder

· Adjust and keep the holder upright

· Tighten the screw to the end to avoid scratching the remote controller.

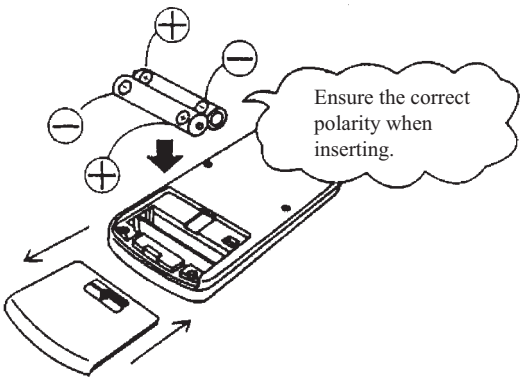
· DO NOT attach the holder on plaster wall.

How to insert batteries

① Detach the back lid.

② Insert the batteries. (two AAA batteries)

③ Reattach the back lid.



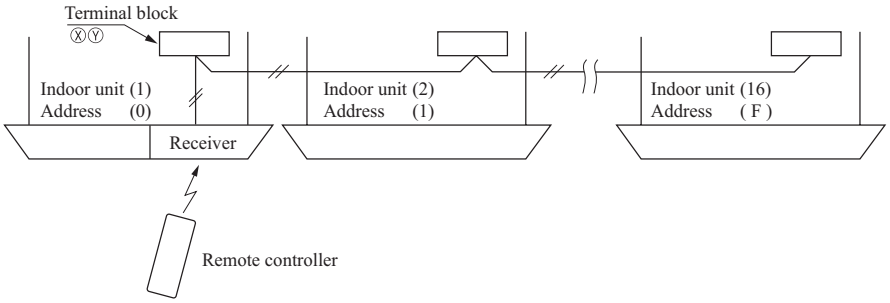
Control plural indoor units with one remote controller

Up to 16 indoor units can be connected.

① Connect the XY terminal with 2-core wire. As for the size, refer to the following note.

② For Packaged air conditioner series, set the indoor unit address with SW2 on the indoor unit PCB from [0] to [F] so as not to duplicate.

Restrictions on the thickness and length of wire (Maximun total extension 600m.)	
Standard	Within 100m x 0.3 mm^2
	Within 200m x 0.5 mm^2
	Within 300m x 0.75mm^2
	Within 400m x 1.25mm^2
	Within 600m x 2.0 mm^2



③ For VRF series, set the indoor unit address with SW1, SW2 and SW5-2 on the indoor unit PCB from [000] to [127] so as not to duplicate.

Master/Slave setting when using plural remote controllers

Up to two receivers can be installed in one indoor unit group.

When two receivers are used, it is necessary for a receiver to turn OFF SW2 on the receiver PCB to set it as slave.

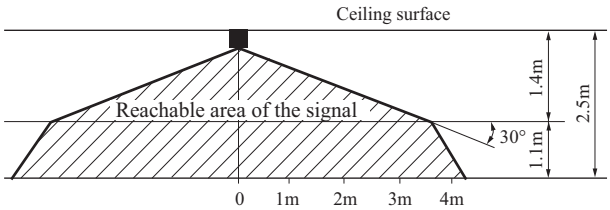
(For the method of switching, please see **Setting on site** in the section of **How to install the receiver** in this manual.)

Wireless remote controller's operable area

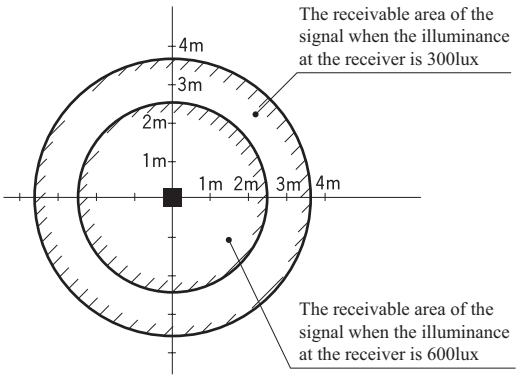
① Standard reachable area of the signal

[condition] Illuminance at the receiver: 300lux

(when no lighting is installed within 1m of the receiver in an ordinary office.)



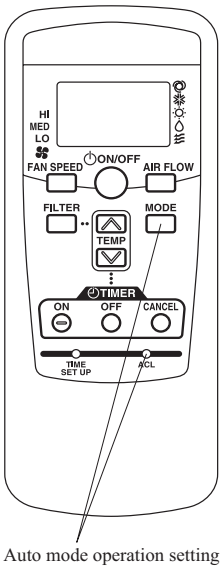
② Correlation between illuminance at the receiver and reachable area of the signal in a plain view. The drawing in the right shows the correlation between the reachable area of the signal and illuminance at the receiver when the remote controller is operated at 1.1m high under the condition of ceiling height of 2.5m. When the illuminance becomes double, the area is narrowed down to two thirds.



③ Installation tips when several receivers are installed close Minimum distance between the indoor units which can avoid cross communication is 5m under the condition of 300lux of illuminance at the receiver.
(When no lighting is installed within 1m of the receiver in an ordinary office)

(5) How to disable the Auto mode operation

VRF system (except heat recovery 3-pipe systems) cannot be operated in Auto mode.
Make sure to set the remote controller for the models so as not to be able to choose Auto mode.
Pushing ACL and MODE button at the same time or inserting the batteries with pressing MODE button will make auto mode operation.



Attention

* When the batteries are removed, the setting will return to the default setting (Auto mode is valid).

Caution

Instruct the customer to set the mentioned above when replacing the batteries.
(How to set is also mentioned in the user's manual attached on the air conditioner.)

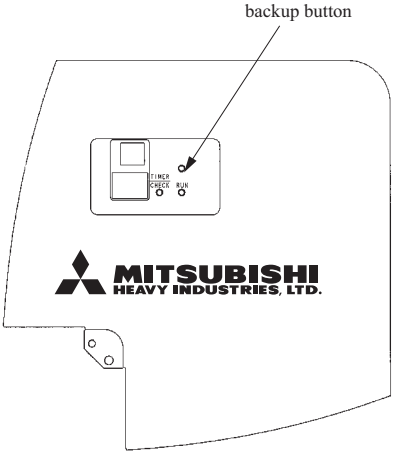
(6) Backup button

A Backup button is provided on the receiver.

Even when the operation from the wireless remote controller is not possible (due to flat batteries, controller lost, or controller failure), still it possible to operate as temporary means. Press the button directly when operating it.

(a) The air conditioner starts the operation with the condition of Auto mode, 23˚C of set point, High fan speed and horizontal louver position.

(b) The air conditioner stops the operation when the button is pressed when in operation.



(7) Cooling test run operation

- After safety confirmation, turn on the power.
- Transmit a cooling operation command with wireless remote controller, while the backup button on the receiver is pressed.
- If the backup button on the receiver is pressed during a test run, it will end the test run.
- If you cannot operate the unit properly during a test run, please check by consulting with inspection guides on the wiring diagram of outdoor units.

(8) How to read the two-digit display

On the receiver of a wireless kit, a two-digit (7-segment) display is provided.

(a) An indication will be displayed for one hour after power on.

(b) An indication will be displayed for 3.5 seconds after transmitting a “STOP” command from the wireless remote controller or the operation of the backup button to stop the unit.

(c) An indication appearing in (a) or (b) above will go off as soon as the unit starts operation.

(d) When there are no error records to indicate, addresses of all the connected units are displayed.

(e) When there are some error records remaining, the error records are displayed.

(f) Error records can be cleared by transmitting a “STOP” command from the wireless remote controller, while the backup button is pressed.

(b) FDTC Series (RCN-TC-24W-ER)

The FDTC series is an exclusive series with all wired models. However, these models can also be used wireless units by using the optional wireless kit.

(1) Wireless kit model

Model
RCN-TC-24W-ER

(2) Accessories

Please make sure that you have all of the following accessories.

Receiver		1	Remote controller holder		1
Wireless remote controller		1	Wood screw for holder		2
Parts set		1	AAA dry cell battery (RO3)		2

(3) How to install the receiver

The receiver can be installed by replacing with a corner panel on the applicable decorative panel.

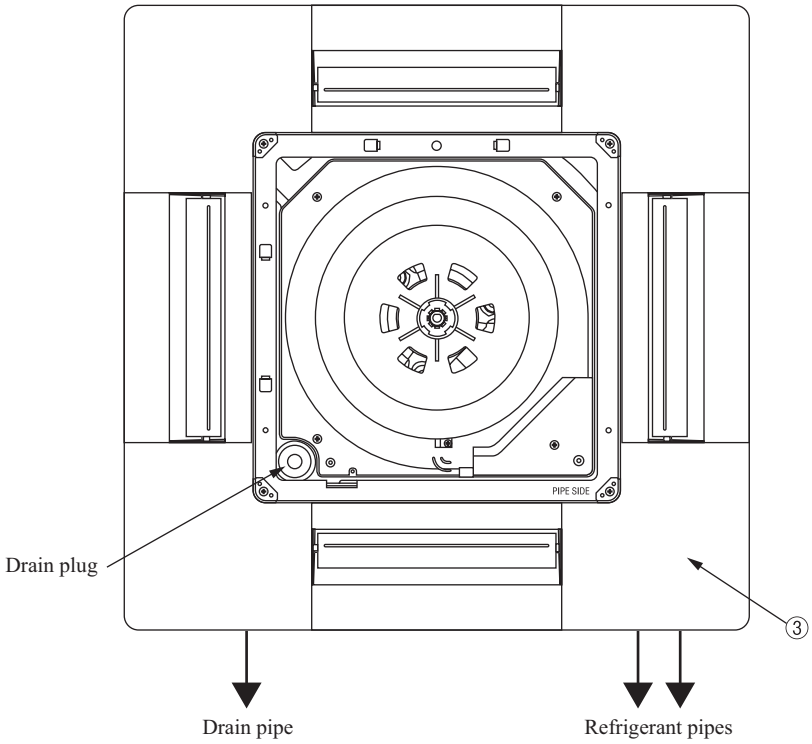
Preparation before installation

① Attach the decorative panel onto the air conditioner according to the installation manual for the panel.

② Remove the air return grille.

③ Remove a corner panel located on the refrigerant pipes side.

④ Remove to screws and detach the lid from the control box of the air conditioner.



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Setting on site

① PCB on the receiver has the following switches to set the functions. Default setting is shown with ☐ mark.

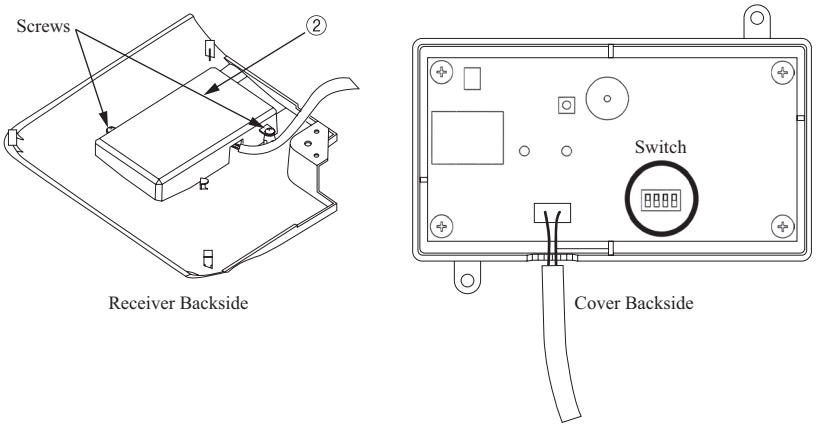
SW1	Customized signal setting to avoid mixed communication	ON : Normal OFF : Remote
SW2	Receiver master/slave setting	ON : Master OFF : Slave
SW3	Buzzer valid/Invalid	ON : Valid OFF : Invalid
SW4	Auto restart	ON : Valid OFF : Invalid

〈To change the settings〉

② Remove the cover by unscrewing two screws from the back of receiver.

③ Change the setting by the switch on PCB.

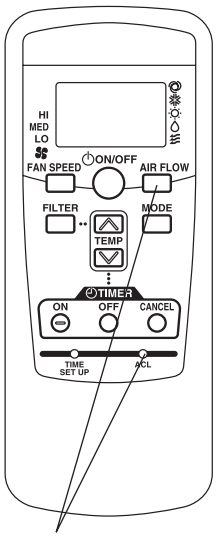
Default settings



④ When SW1 is turned to OFF position, change the corresponding remote controller setting as follows:

How to change the remote controller setting

Pressing ACL switch with AIR FLOW button kept pressing or inserting the batteries with pressing AIR FLOW button will customize the signal.



Radio interference prevention mode

Note

* When the batteries are removed, the setting will return to the default setting.
Please make sure to reset it when the batteries are replaced.

Caution

Instruct the customer to set the mentioned above when replacing the batteries.(How to set is also mentioned in the user's manual attached on the air conditioner.)

Installation of the receiver

① Attach the receiver to the panel according to the panel installation manual.

② Remove two screws and detach the lid from the control box.

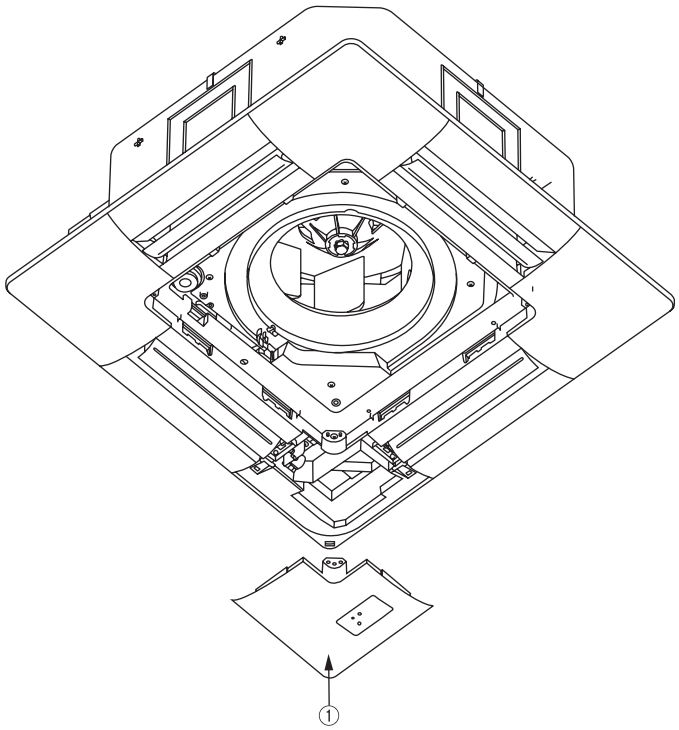
③ Put the wiring in the control box with other wiring as shown below.

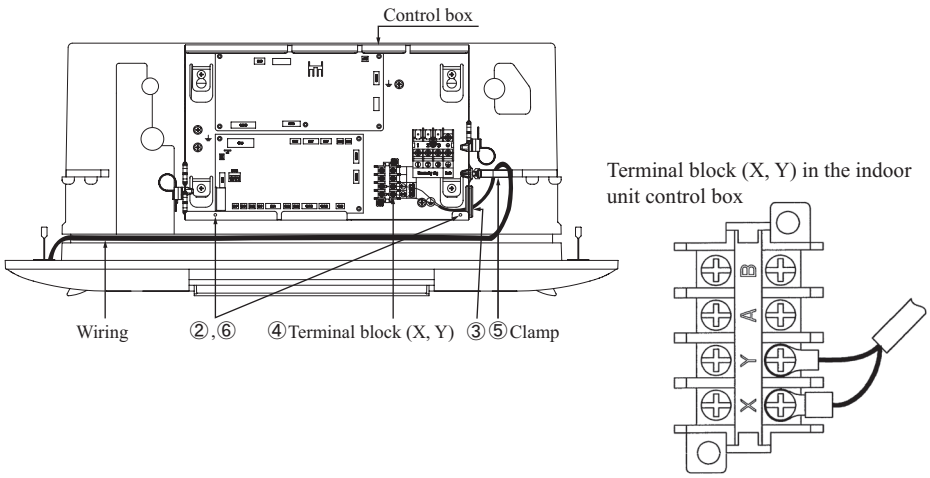
④ Connect the wiring to the terminal block (X, Y) provided in the control box. (Non- polarized)

⑤ Fix the wiring with the clamp as shown below.

⑥ Reattach the control box lid with 2 screws removed.

* Note: Make sure wires not to be pinched by any other parts like panel and control box.





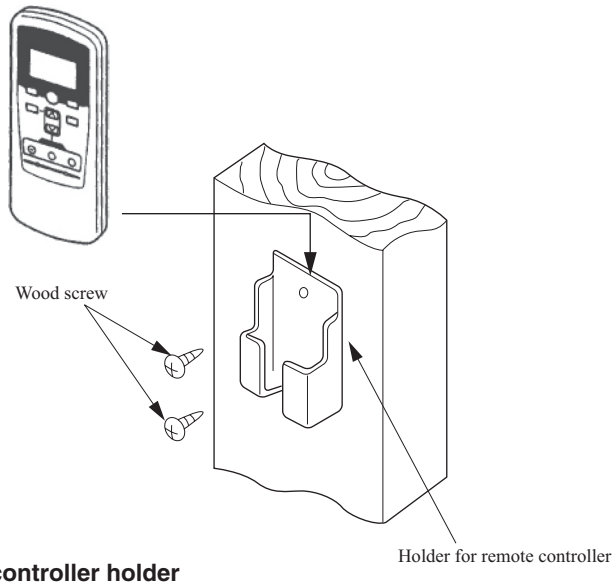
(4) Remote controller

Installation of the controller holder

Caution

DO NOT install it on the following places

1. Places exposed to direct sunlight
2. Places near heat devices
3. High humidity places
4. Hot surface or cold surface enough to generate condensation
5. Places exposed to oil mist or steam directly.
6. Uneven surface



Installation tips for the remote controller holder

· Adjust and keep the holder upright

· Tighten the screw to the end to avoid scratching the remote controller.

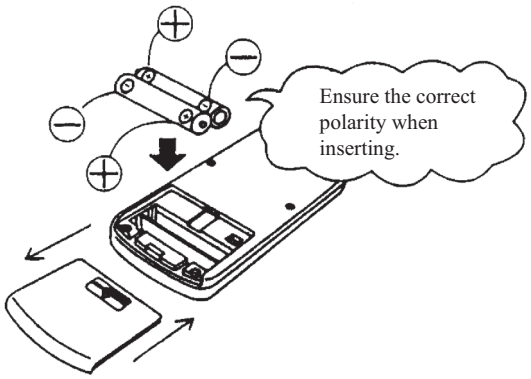
· DO NOT attach the holder on plaster wall.

How to insert batteries

① Detach the back lid

② Insert the batteries. (two AAA batteries)

③ Reattach the back lid.



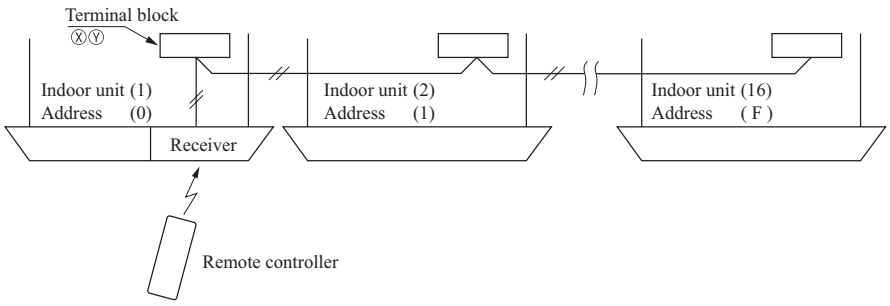
Control plural indoor units with one remote controller

Up to 16 indoor units can be connected.

① Connect the XY terminal with 2-core wire. As for the size, refer to the following note.

② For signal packaged air conditioner series, set the indoor unit address with SW2 on the indoor unit PCB from [0] to [F] so as not to duplicate.

Restrictions on the thickness and length of wire (Maximun total extension 600m.)	
Standard	Within 100m x 0.3 mm^2
	Within 200m x 0.5 mm^2
	Within 300m x 0.75mm^2
	Within 400m x 1.25mm^2
	Within 600m x 2.0 mm^2



③ For VRF series, set the indoor unit address with SW1, SW2 and SW5-2 on the indoor unit PCB from [000] to [127] so as not to duplicate.

Master/Slave setting when using plural remote controllers

Up to two receivers can be installed in one indoor unit group.

When two receivers are used, it is necessary for a receiver to turn OFF SW2 on the receiver PCB to set it as slave.

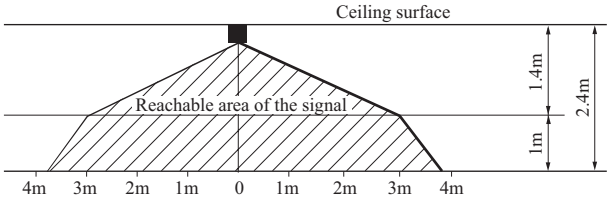
(For the method of switching, please see **Setting on site** in the section of **How to install the receiver** in this manual.)

Wireless remote controller's operable area

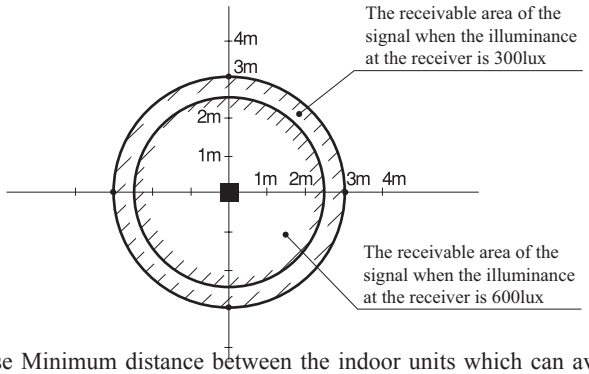
① Standard reachable area of the signal

[condition] Illuminance at the receiver: 300lux

(when no lighting is installed within 1m of the receiver in an ordinary office.)



② Correlation between illuminance at the receiver and reachable area of the signal in a plain view. The drawing in the right shows the correlation between the reachable area of the signal and illuminance at the receiver when the remote controller is operated at 1m high under the condition of ceiling height of 2.4m.

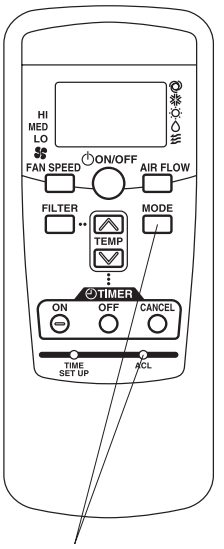


③ Installation tips when several receivers are installed close Minimum distance between the indoor units which can avoid cross communication is 5m under the condition of 300lux of illuminance at the receiver.
(When no lighting is installed within 1m of the receiver in an ordinary office)

(5) How to disable the Auto mode operation

VRF system (except heat recovery 3-pipe systems) cannot be operated in Auto mode. Make sure to set the remote controller for the models so as not to be able to choose Auto mode.

Pushing ACL switch with MODE button kept pressing or inserting the batteries with pressing MODE button will make auto mode operation.



Auto mode operation setting

Note

* When the batteries are removed, the setting will return to the default setting (Auto mode is valid).

Caution

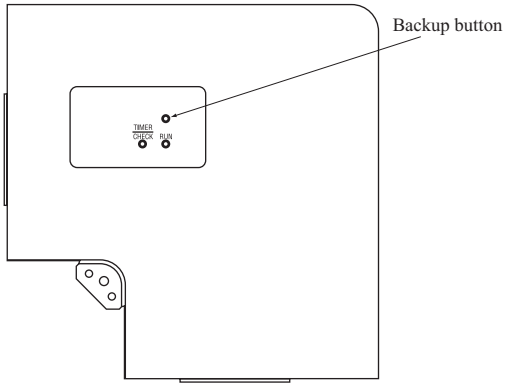
Instruct the customer to set the mentioned above when replacing the batteries. (How to set is also mentioned in the user's manual attached on the air conditioner.)

(6) Backup button

A Backup button is provided on the receiver. Even when the operation from the wireless remote controller is not possible (due to flat batteries, controller Iost, or controller failure), still it possible to operate as temporary means. Press the button directly when operating it.

(a) The air conditioner starts the operation with the condition of Auto mode, 23˚C of set point, High fan speed and horizontal louver position.

(b) The air conditioner stops the operation when the button is pressed when in operation.



(7) Cooling test run operation

- After safety confirmation, turn on the power.
- Transmit a cooling operation command with wireless remote controller, while the backup button on the receiver is pressed.
- If the backup button on the receiver is pressed during a test run, it will end the test run.
- If you cannot operate the unit properly during a test run, please check by consulting with inspection guides on the wiring diagram of outdoor units.

(8) How to read the two-digit display

On the receiver of a wireless kit, a two-digit (7-segment) display is provided.

(a) An indication will be displayed for one hour after power on.

(b) An indication will be displayed for 3.5 seconds after transmitting a “STOP” command from the wireless remote controller or the operation of the backup button to stop the unit.

(c) An indication appearing in (a) or (b) above will go off as soon as the unit starts operation.

(d) When there are no error records to indicate, addresses of all the connected units are displayed.

(e) When there are some error records remaining, the error records are displayed.

(f) Error records can be cleared by transmitting a “STOP” command from the wireless remote controller, while the backup button is pressed.

(C) FDK Series

· RCN-K-E (Models : FDK22~56)

· RCN-K71-E (Model : FDK71)

PHA012D038

WIRELESS KIT INSTALLATION MANUAL

⚠ WARNING

- **Use specified wire for electrical wiring, fasten the wiring to the terminal securely, and hold the cable securely in order not to apply unexpected stress on the terminal.**
  Loose connections or hold could result in abnormal heat generation or fire.
- **Turn off the power source during servicing or inspection work.**
  If the power is supplied during servicing or inspection work, it could cause electric shock and injury by the operating fan.
- **Shut off the power before electrical wiring work.**
  It could cause electric shock, unit failure and improper running.

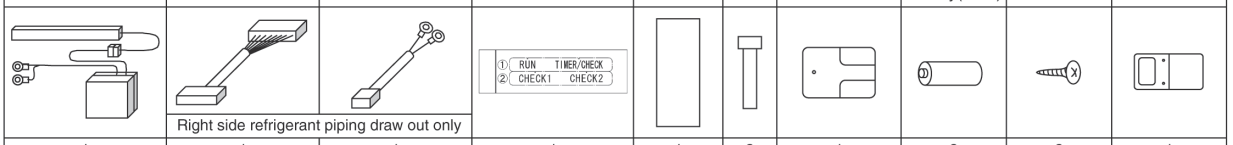
⚠ CAUTION

- **DO NOT install it on the following places.**
  (1) Places exposed to direct sunlight
  (2) Places near heat devices
  (3) High humidity places
  (4) Hot surface or cold surface enough to generate condensation
  (5) Places exposed to oil mist or steam directly
  (6) Places where the receiver is influenced by the fluorescent lamp (especially inverter type) or sunlight.
  (7) Places where the receiver is affected by infrared rays of any other communication devices
  (8) Places where some object may obstruct the communication with the remote controller
- **DO NOT leave the wireless kit without the cover.**
  In case the cover needs to be detached, protect the receiver with a packaging box or bag in order to keep it away from water and dust.

Attention
- Instruct the customer how to operate it correctly referring to the instruction manual.
- For the installation method of the air conditioner itself, refer to the installation manual enclosed in the package.

① Accessories

Please make sure that you have all of the following accessories.

Control ASSY	Wiring ASSY (A)	Wiring ASSY (B)	Display label	Rubber insulation	Tie	Remote controller holder	AAA dry cell battery(RO3)	Wood screw for holder	Wireless remote controller
	Right side refrigerant piping draw out only								
1	1	1	1	1	3	1	2	2	1

② Preparation before installation

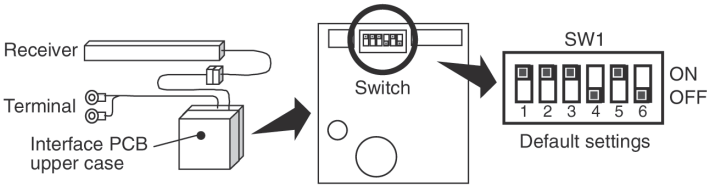
Setting on site

Interface PCB has the following switches to set the function.
Default setting is shown with ☐ mark.

SW1-1	Prevents interference during plural setting	ON : Normal (1ch) OFF : Customized (2ch)
SW1-2	Receiver master/slave setting	ON : Master OFF : Slave
SW1-3	Buzzer valid/invalid	ON : Valid OFF : Invalid
SW1-4	Auto restart	ON : Valid OFF : Invalid
SW1-5	Indication for error	ON : Valid OFF : Invalid
SW1-6	Not in use	ON : – – – OFF : – – –

To change setting

1. Remove the upper case of interface PCB assy.
2. Change the switch setting on PCB.



NOTE

When SW1-1 is turned to off position, change the wireless remote controller setting.

For the method of changing the setting, refer to **Setting to avoid mixed communication** on page 313

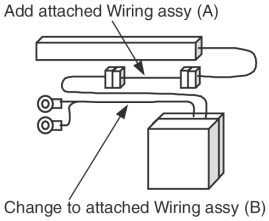
③How to install the control assy (In case of the pipe routed through the right)

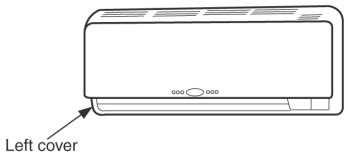
The control assy (Receiver and interface PCB assy) can be installed inside the indoor unit.
After turning off the power and confirming safety, execute as follows.

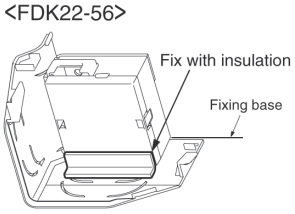
In case of the piping routed from right side

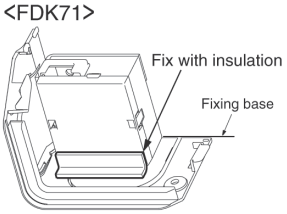
①Preparation before installing Control assy

a) Disconnect the receiver from the interface PCB assy, and attach on wiring assy (A).
b) Change the original wiring (for X, Y) to the attached wiring assy (B).
c) Bundle wiring with attached ties.
d) Install the interface PCB assy on the left cover of the indoor unit with the attached insulation. (Refer to below figure.)



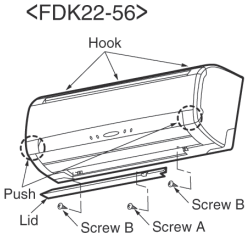


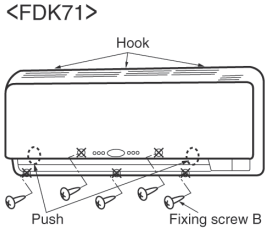




②Remove Panel

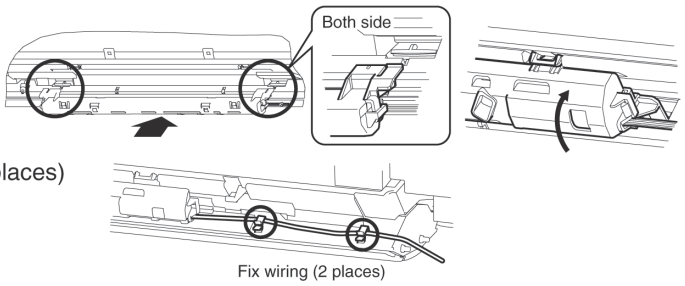
a) Remove the fixing screw A and detach the unit bottom lid. (only FDK22-56)
b) Remove the fixing screw B.
c) Pull the lower part of the front panel off the unit toward you. And then, push it up to detach its upper part from the indoor unit. (Disengage 3 hooks located on the top part.)





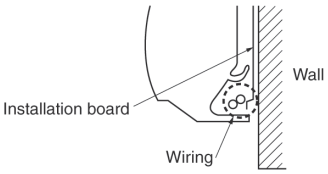
③Install Receiver on Indoor unit

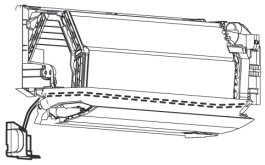
a) Hang the claw of the receiver lower side on the claw of the indoor unit. (2 places)
And snap in the claw of the receiver upper side on the hole of the indoor unit. (2 places)
b) Fix the wiring on the clip of the indoor unit. (2 places)

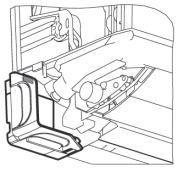


④Install interface PCB assy on Indoor unit

a) Route the Wiring assy (A) and (B) through the front of installation board.
b) Install the cover in which the interface PCB assy is installed.

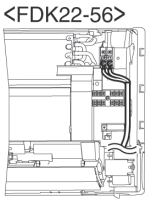


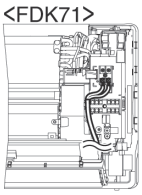




⑤Fix Wiring assy (for X, Y)

a) Fix the terminal of the wiring assy (for X, Y) on the terminal block of the indoor unit. (Non-polarized)
b) Route the wiring as shown in figure.
c) Bundle wirings with attached ties.





⑥Put back Panel and stick Label on Panel

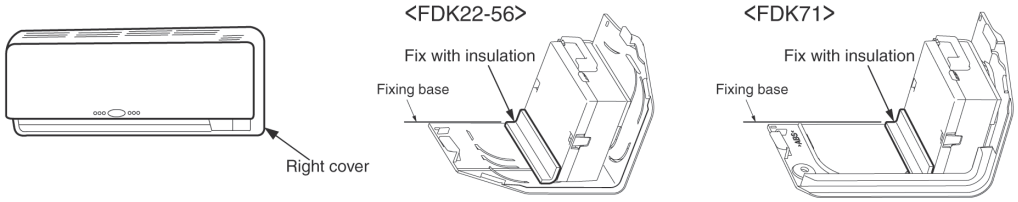
Refer to **③How to install the control assy (Put back Panel and stick Label)** on page 312

③How to install the control assy (In case of the pipe routed through the left)

In case of the pipe routed through the left

①Preparation before installing Control assy

a) Install the interface PCB assy on the right cover of the indoor unit with the attached insulation.

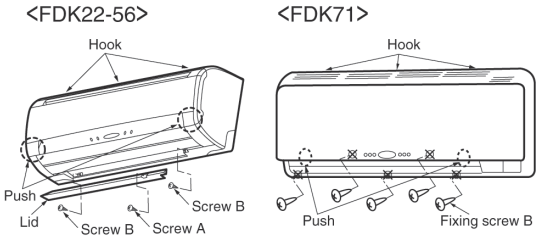


②Remove Panel

a) Remove the fixing screw A and detach the unit bottom lid. (only FDK22-56)

b) Remove the fixing screw B.

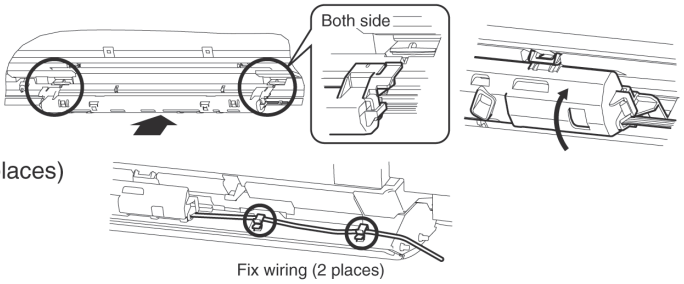
c) Pull the lower part of the front panel off the unit toward you. And then, push it up to detach its upper part from the indoor unit. (Disengage 3 hooks located on the top part.)



③Install Receiver on Indoor unit

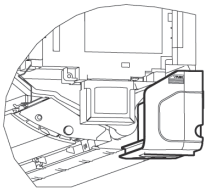
a) Hang the claw of the receiver lower side on the claw of the indoor unit. (2 places)
And snap in the claw of the receiver upper side on the hole of the indoor unit. (2 places)

b) Fix the wiring on the clip of the indoor unit. (2 places)



④Install interface PCB assy on Indoor unit

a) Install the cover in which the interface PCB assy is installed.

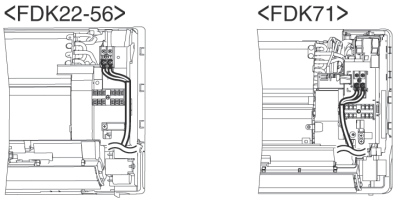


⑤Fix Wiring assy (for X, Y)

a) Fix the terminal of the wiring assy (for X, Y) on the terminal block of the indoor unit. (Non-polarized)

b) Route the wiring as shown in figure.

c) Bundle wirings with attached ties.



⑥Put back Panel and stick Label on Panel

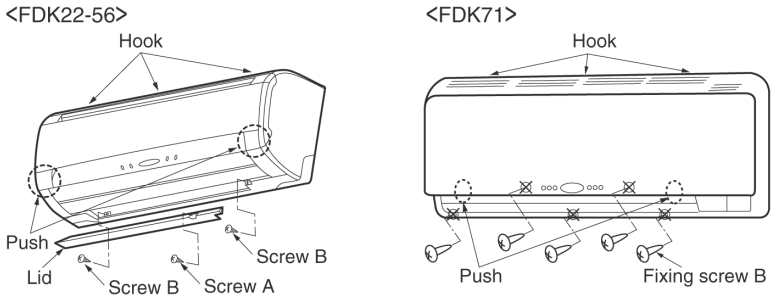
Refer to **③How to install the control assy (Put back Panel and stick Label)** see next page

③How to install the control assy (Put back Panel and stick Label)

Put back Panel and stick Label

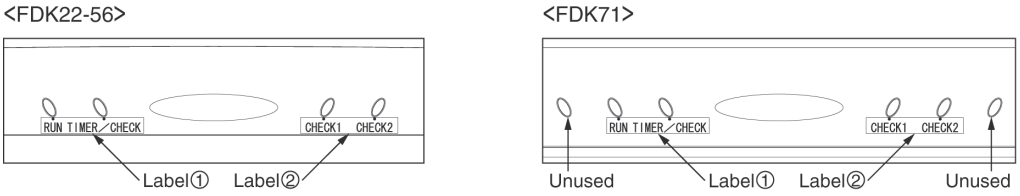
①Put back Panel

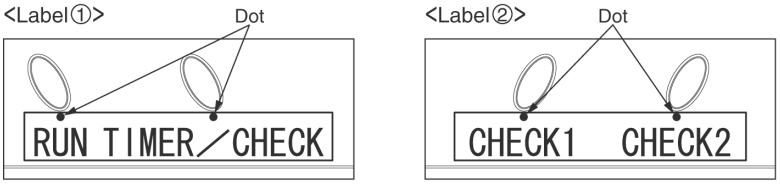
a) Always remove the air filter beforehand.
b) Place the front panel over the indoor unit.
c) Engage it onto the indoor unit by pressing the areas marked with ◌ in the figure from the front.
d) Fasten the fixing screw B.
e) Set the air filter.
f) Attach the indoor unit bottom lid and fasten the fixing screw A. (only FDK22-56)



②Stick Label on Panel

Stick the attached label on the front panel.
Label ①must be stuck under the left side LED of the front panel.
Label ②must be stuck under the right side LED of the front panel.





Label ①and② have 2 dots.
Matched the dot on the label and the bottom of the LED hole.

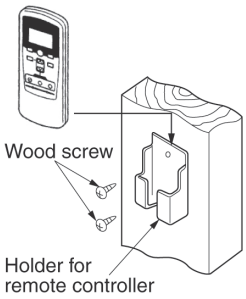
④How to install the wireless remote controller

⚠**CAUTION DO NOT install it in the following places.**

1. Places exposed to direct sunlight
2. Hot surface or cold surface enough to generate condensation
3. Places near heat devices
4. Places directly exposed to oil mist or steam
5. High humidity places
6. Uneven surface

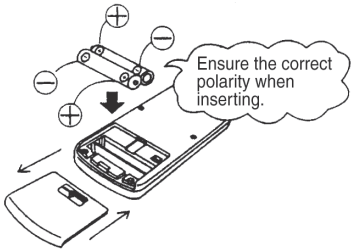
Installation tips for the remote controller holder

- Adjust and keep the holder up right.
- Tighten the screw to the end to avoid scratching the remote controller.
- DO NOT attach the holder on plaster wall.



How to insert batteries

①Detach the back lid.
②Insert the batteries. (two AAA batteries)
③Reattach the back lid.



⑤Function setting of interface PCB and wireless remote controller

Master/Slave setting when using plural remote controllers

Up to two wireless kit or wired remote controller can be installed in one indoor unit group.
When two wireless kit or wired remote controller are used, it is necessary to change setting on the PCB to slave.

Switch	Setting	Contents
Wired remote controller: SW1 Wireless kit: SW1-2	Master	Master remote controller
	Slave	Slave remote controller

Setting to avoid mixed communication

In case of plural setting, check the operation distance of wireless remote controller, and avoid mixed communication.
Refer to **⑦ Wireless remote controller unit operation distance** on page 314 about the operation distance.
It is necessary to change setting of interface PCB and wireless remote controller.

(1) Interface PCB
Set SW1-1 to “OFF” position.

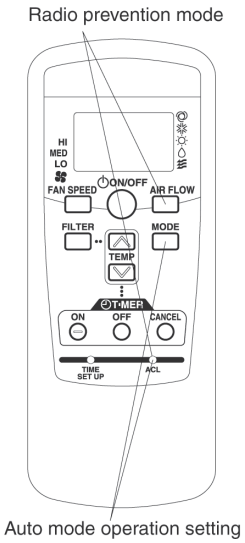
(2) Wireless remote controller
Pressing ACL and AIR FLOW button at the same time or inserting the batteries with pressing AIR FLOW button will customize the signal.

Setting to disable the Auto mode operation

VRF system (except heat recovery 3-pipe system) cannot be operated in Auto mode.
Make sure to set the remote controller for the models so as not to be able to choose Auto mode.
Pressing ACL and MODE button at the same time or inserting the batteries with pressing MODE button will make auto mode operation.

ATTENTION
When the batteries are removed, the setting will return to the default setting. Please make sure to reset it when the batteries are replaced.

⚠**Caution**
Instruct the customer to set the mentioned above when replacing the batteries.
(How to set is also mentioned in the user’s manual attached on the air conditioner.)



⑥ Wiring

Control plural indoor units with one remote controller

Up to 16 indoor units can be connected.

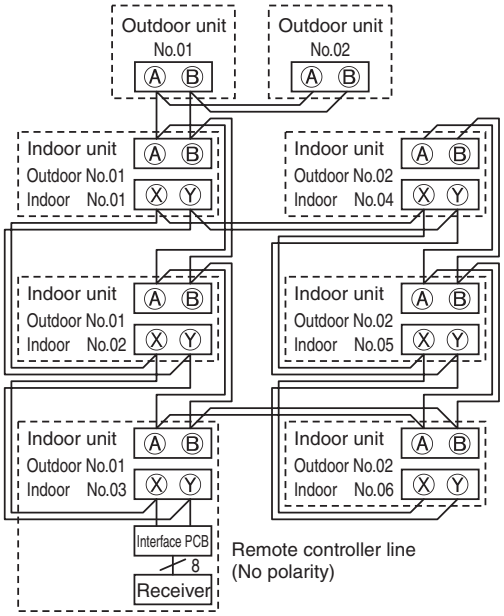
① Connect indoor units with each other with 2-core wires. As for size, refer to the following note.

② The receiver wires must be connected only with the indoor unit that will be operated by the remote controller directly.

③ Use the rotary SW1 and SW2 provided on the indoor unit PCB (Printed circuit board) to set unique remote control communication address avoiding duplication.

Restrictions on the thickness and length of wire (Maximum total extension 600m.)

Standard	Within 100m x 0.3mm²
	Within 200m x 0.5mm²
	Within 300m x 0.75mm²
	Within 400m x 1.25mm²
	Within 600m x 2.0mm²



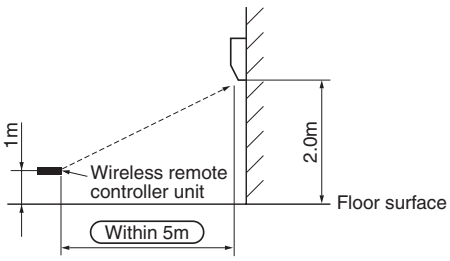
⑦ Wireless remote controller operation distance

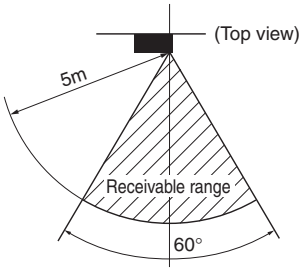
① Standard signal receiving range

[Condition]

Illuminance at the receiver area: 360 lux.

(When no lighting fixture is located within 1m of indoor unit in an ordinary office)

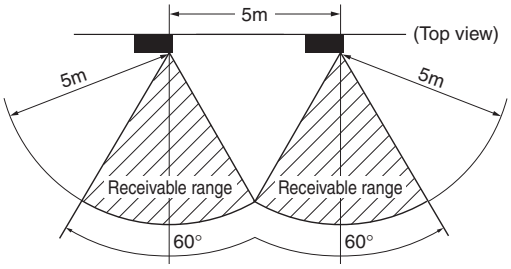




② Points for attention in connecting a plural number of indoor units

[Condition]

Illuminance at the receiver area: 360 lux.



⑧ Trial operation

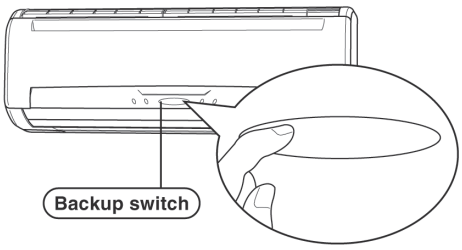
Backup switch

The backup switch is provided on the receiver section. It is possible to use the backup switch as shown in the figure below. When operation from the wireless remote controller unit is not possible (due to flat batteries, a mislaid unit, a unit failure), the backup switch can be used as an emergency means. The backup switch is operated manually.

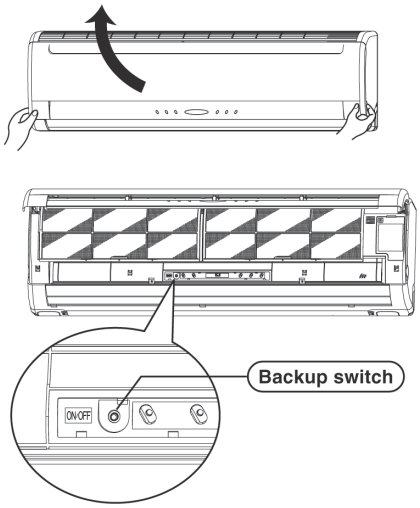
(1) If pressed while the air conditioner is in a halt, it will cause the air conditioner to start operation in the automatic mode (in the case of cooling only, in the cooling mode).
Fan speed: Hi fan, Temperature setting: 23°C, Louver: horizontal

(2) If pressed while the air conditioner is in operation, it will stop the air conditioner.

<FDK22-56>



<FDK71>



Cooling test run operation

- After safety confirmation, turn on the power.
- Transmit a cooling operation command with the wireless remote controller, while the backup switch on the receiver is depressed.
- If the backup switch on the receiver is pressed during a test run, it will end the test run.
- If the air conditioner can not operate properly during the test run, check wiring according to the trouble shooting guides.

NOTE

1. After over 2 minute from power on, operate the wireless remote controller.
   The operation is invalid during 2 minute from power on.
2. Check indicator lamp “check1” / “check2” shows error code.
   The number of blinking shows the error code number of tens/ones place and check1/check2 corresponds to tens/ones place.

(d) FDE Series (RCN-E-E)

PFA012D619A

WIRELESS KIT INSTALLATION MANUAL

⚠ WARNING

- **Use specified wire for electrical wiring, fasten the wiring to the terminal securely, and hold the cable securely in order not to apply unexpected stress on the terminal.**
  Loose connections or hold could result in abnormal heat generation or fire.
- **Turn off the power source during servicing or inspection work.**
  If the power is supplied during servicing or inspection work, it could cause electric shock and injury by the operating fan.
- **Shut off the power before electrical wiring work.**
  It could cause electric shock, unit failure and improper running.

⚠ CAUTION

- **DO NOT install it on the following places**
  1. Places exposed to direct sunlight
  2. Places near heat devices
  3. High humidity places
  4. Places where the receiver is influenced by the fluorescent lamp or sunlight.
  5. Places where the receiver is affected by infrared rays of any other communication devices.
  6. Places where some object may obstruct the communication with the remote controller.

① Accessories

Please make sure that you have all of the following accessories.

Receiver	Remoto controller holder	AAA dry cell battery (RO3)	Wood screw for holder	Wireless remote controller
1	1	2	2	1

② Preparation before installation

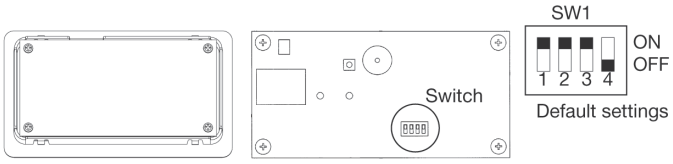
Setting on site

PCB on the receiver has the following switches to set the function.
Default setting is shown with ☐ mark.

SW1	Prevents interference during plural setting	ON : Normal (1ch) OFF : Customized (2ch)
SW2	Receiver master/slave setting	ON : Master OFF : Slave
SW3	Buzzer valid/Invalid	ON : Valid OFF : Invalid
SW4	Auto restart	ON : Valid OFF : Invalid

To change setting

1. Remove four screws located on the back of the receiver and detach the board.
2. Change the setting by the switch on PCB.



3. When switch 1 is turned to off position, change the wireless remote controller setting.
   (For the method of changing the setting, refer to Setting to avoid mixed communication on page 300)
   Refer to Wireless remote controller unit operation distance of ⑤ Receiver in case of plural setting.

Master/Slave setting when using plural remote controllers

Up to two receiver or wired remote controller can be installed in one indoor unit group.
When two receiver or wired remote controller are used, it is necessary to change SW on the PCB to set it as slave.

③ How to install the receiver

The receiver can be installed by replacing with a cover of the panel.

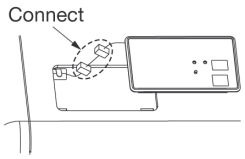
CAUTION : When installing the receiver after unit has been fixed, injury due to falling may result because of working at high place.

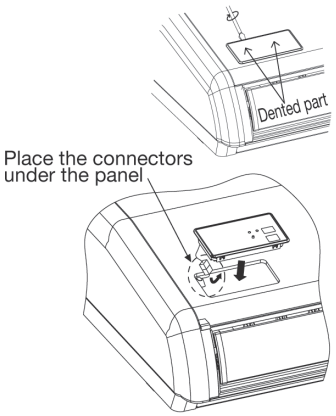
① **Remove the cover**
Insert a flat-blade screwdriver into the dented part (2 places), and wrench slightly.

② **Connect the wiring**
Connect wiring of the receiver to the wiring in the back.
ATTENTION
DO NOT remove the clamp fixed the wiring.

③ **Installation of the receiver**
Check direction of the receiver, and fix to the panel.

CAUTION : Connect the connectors before installing the receiver. In case of connecting after the receiver had been installed, it will be necessary to remove the panel.





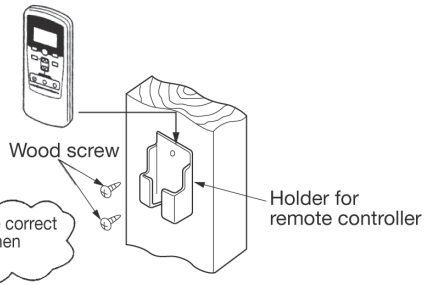
④ Wireless remote controller

⚠**CAUTION DO NOT install it on the following places.**

1. Places exposed to direct sunlight
2. Hot surface or cold surface enough to generate condensation
3. Places near heat devices
4. Places exposed to oil mist or steam directly.
5. High humidity places
6. Uneven surface

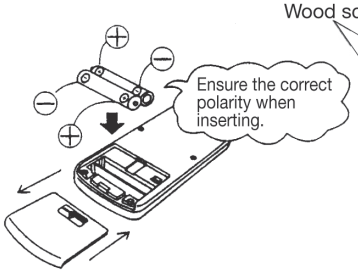
Installation tips for the remote controller holder

- Adjust and keep the holder up right
- Tighten the screw to the end to avoid scratching the remote controller.
- DO NOT attach the holder on plaster wall



How to insert batteries

① Detach the back lid.
② Insert the batteries. (two AAA batteries)
③ Reattach the back lid.



Setting to avoid mixed communication

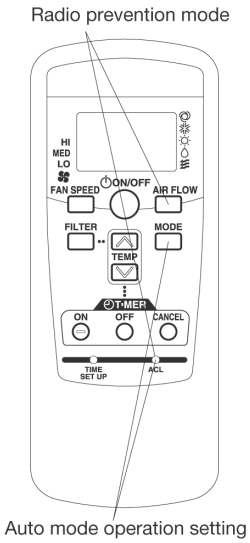
Pressing ACL and AIR FLOW button at the same time or inserting the batteries with pressing AIR FLOW button will customize the signal.

Setting to disable the Auto mode operation

VRF system (except heat recovery 3-pipe system) cannot be operated in Auto mode. Make sure to set the remote controller for the models so as not to be able to choose Auto mode.
Pressing ACL and MODE button at the same time or inserting the batteries with pressing MODE button will make auto mode operation.

ATTENTION
When the batteries are removed, the setting will return to the default setting.
Please make sure to reset it when the batteries are replaced.

⚠**Caution**
Instruct the customer to set the mentioned above when replacing the batteries.
(How to set is also mentioned in the user's manual attached on the air conditioner.)



⑤ Receiver

Control plural indoor units with one remote controller

Up to 16 indoor units can be connected.

① Connect indoor units with each other with 2-core wires. As for size, refer to the following note.

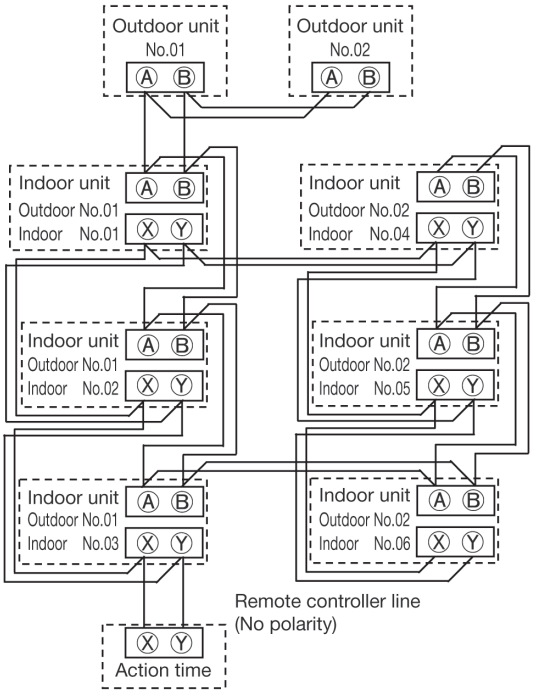
② The receiver wires must be connected only with the indoor unit that will be operated by the remote controller directly.

③ Use the rotary SW1 and SW2 provided on the indoor unit PCB (Printed circuit board) to set unique remote control communication address avoiding duplication.

Restrictions on the thickness and length of wire
(Maximun total extension 600m.)

Standard	Within 100m x 0.3 mm^2
	Within 200m x 0.5 mm^2
	Within 300m x 0.75 mm^2
	Within 400m x 1.25 mm^2
	Within 600m x 2.0 mm^2

After a unit is energized, it is possible to display an indoor unit address by pressing AIR CON NO button on the remote control unit.
Press the ▲ or ▼ button to make sure that all indoor units connected are displayed in order.

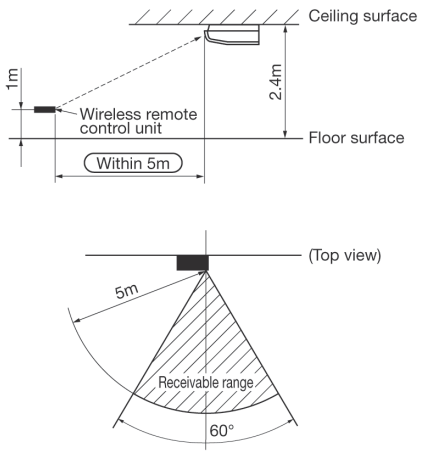


Wireless remote controller unit operation distance

① Standard signal receiving range

[Condition]

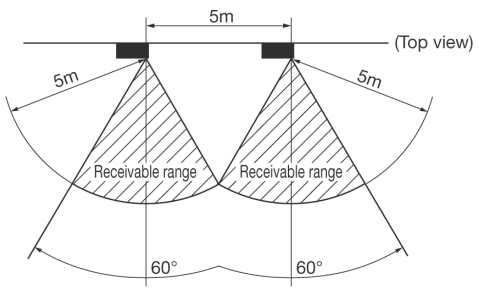
Illuminance at the receiver area: 360 lux.
(When no lighting fixture is located within 1m of indoor unit in an ordinary office)



② Points for attention in connecting a plural number of indoor units

[Condition]

Illuminance at the receiver area: 360 lux.



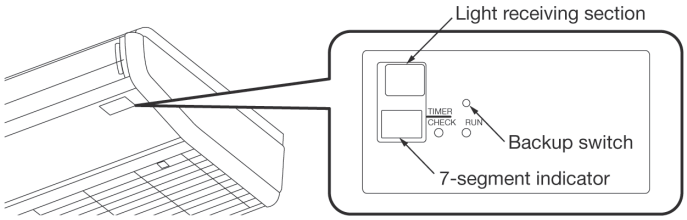
⑤ Receiver (continued)

Backup button

A backup switch is provided on the receiver section of the panel surface.
When operation from the wireless remote control unit is not possible (due to flat batteries, a mislaid unit, a unit failure), you can use it as an emergency means. You should operate this switch manually.

(1) If pressed while the air conditioner is in a halt, it will cause the air conditioner to start operation in the automatic mode (in the case of cooling only, in the cooling mode).
Wind speed: Hi fan, Temperature setting: 23°C, Louver: horizontal

(2) If pressed while the air conditioner is in operation, it will stop the air conditioner.



Cooling test run operation

- After safety confirmation, turn on the power.
- Transmit a cooling operation command with the wireless remote control unit, while the backup switch on the receiver is depressed.
- If the backup switch on the receiver is pressed during a test run, it will end the test run.
- If you cannot operate the unit properly during a test run, please check wiring by consulting with inspection guides.

How to read the two-digit display

A two-digit indicator (7-segment indicator) is provided on the receiver section.

(1) An indication will be displayed for one hour after power on.
(2) An indication appears for 3.5 seconds when a Stop command is sent from the wireless remote control unit while the air conditioner is not running.
(3) An indication appearing in (1) or (2) above will go off as soon as the unit starts operation.
(4) When there are no error records to indicate, addresses are displayed for all of the connected units.
(5) When there are some error records remaining, the error records are displayed.
(6) Error records can be cleared by transmitting a “Stop” command from the wireless remote control unit, while the backup switch is depressed.

(e) FDFW Series (RCN-FW-E)

PGF012D002

WIRELESS KIT INSTALLATION MANUAL

⚠ WARNING

- **Use specified wire for electrical wiring, fasten the wiring to the terminal securely, and hold the cable securely in order not to apply unexpected stress on the terminal.**
  Loose connections or hold could result in abnormal heat generation or fire.
- **Turn off the power source during servicing or inspection work.**
  If the power is supplied during servicing or inspection work, it could cause electric shock and injury by the operating fan.
- **Shut off the power before electrical wiring work.**
  It could cause electric shock, unit failure and improper running.

⚠ CAUTION

- **DO NOT install it in the following places.**
  (1) Places exposed to direct sunlight
  (2) Places near heat devices
  (3) High humidity places
  (4) Hot surface or cold surface enough to generate condensation
  (5) Places directly exposed to oil mist or steam
  (6) Places where the receiver is influenced by the fluorescent lamp (especially inverter type) or sunlight.
  (7) Places where the receiver is affected by infrared rays of any other communication devices
  (8) Places where some object may obstruct the communication with the remote controller
- **DO NOT leave the wireless kit without the cover.**
  In case the cover needs to be detached, protect the receiver with a packaging box or bag in order to keep it away from water and dust.

Attention
- Instruct the customer how to operate it correctly referring to the instruction manual.
- For the installation method of the air conditioner itself, refer to the installation manual enclosed in the package.

① Accessories

Please make sure that you have all of the following accessories.

Control ASSY	Display label	Screw for display	Wireless remote controller	AAA dry cell battery (RO3)	Remote controller holder	Wood screw for holder
1	1	2	1	2	1	2

② Preparation before installation

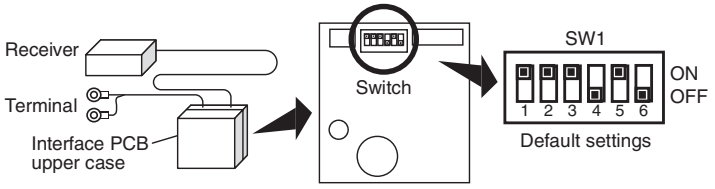
Setting on site

The interface PCB has the following switches to set the function.
Default setting is shown with ☐ mark.

SW1-1	Prevents interference during plural setting	ON : Normal (1ch) OFF : Customized (2ch)
SW1-2	Receiver master/slave setting	ON : Master OFF : Slave
SW1-3	Buzzer valid/invalid	ON : Valid OFF : Invalid
SW1-4	Auto restart	ON : Valid OFF : Invalid
SW1-5	Indication for error	ON : Valid OFF : Invalid
SW1-6	Not in use	ON : – – – OFF : – – –

To change setting

1. Remove the upper case of the interface PCB assy.
2. Change the switch setting on PCB.



NOTE

When SW1-1 is turned to off position, change the wireless remote controller setting.

For the method of changing the setting, refer to **Setting to avoid mixed communication** on page 322

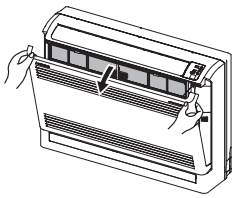
③How to install the control assy

The control assy (Receiver and Interface PCB assy) can be installed inside the indoor unit.
After turning off the power and confirming safety, execute as follows.

①Remove Inlet panel

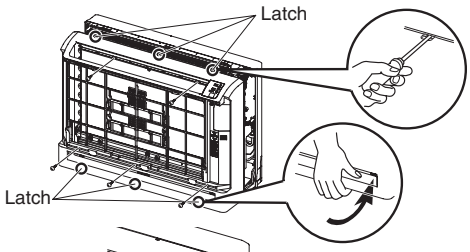
a) Pull the inlet panel towards you at the upper side of both sides, and detach the latches.
b) Remove the retainer string from the front panel.
c) Remove the inlet panel.

⚠CAUTION
When removing the inlet panel, be careful not to drop it on your feet.



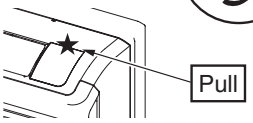
②Remove Front panel

a) Remove the fixing screw. (5 pieces)
b) Detach the latches at the upper side of the front panel. (3 places)
If difficult to remove the latch, detach the latch portion by using straight screw driver, for example.
c) Move the lower part of the front panel towards you.
d) Detach the latches at the lower side of the front panel. (6 places)



③Remove Display label and stick on Display label

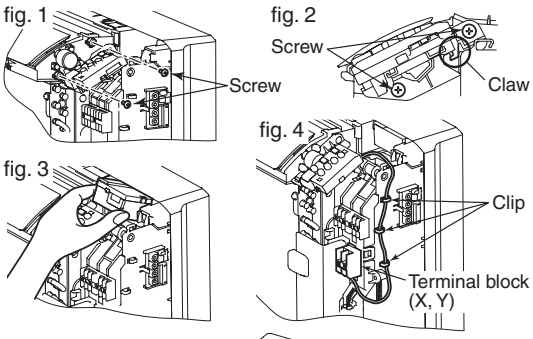
a) Peel off the original display label, on the upper side. (★ Mark)
Press the back side of label, then the label floats.
b) Stick the attached display label on the same location.



⚠CAUTION MUST change the display label.
If the display label is not changed, the receiver can not receive the signal from the remote controller.

④Install Control assy

a) Fix the receiver on the indoor unit, by the attached screw. (2 pieces, refer to figure 1)
Make sure that the claw of the receiver hungs on the claw of the indoor unit control box. (Refer to figure 2)
b) Put the interface PCB assy on the indoor unit control box.
Put the interface PCB assy securely in the innermost location, when installing the front panel. (Refer to figure 3)
c) Fix the wiring on indoor unit control box by the clips. (3 places, refer to figure 4)
d) Fix the terminal of the wiring assy (for X, Y) on the lower side terminal block of the indoor unit. (Non-polarity)

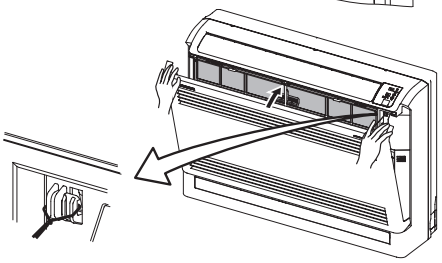


⑤Put back Front panel

a) Place the front panel over the indoor unit.
b) Hang the latches on the lower side of the front panel. (6 places)
c) Hang the latches on the upper side of the front panel. (3 places)
d) Tighten the fixing screw. (5 pieces)

⑥Put back Inlet panel

a) Put the lower side of the inlet panel on the front panel.
b) Hang the retainer string on the claw of the front panel.
c) Snap the latch of the inlet panel upper side into the front panel.



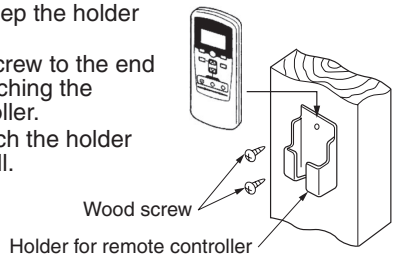
④How to install the wireless remote controller

⚠CAUTION DO NOT install it in the following places.

1. Places exposed to direct sunlight
2. Hot surface or cold surface enough to generate condensation
3. Places near heat devices
4. Places directly exposed to oil mist or steam
5. High humidity places
6. Uneven surface

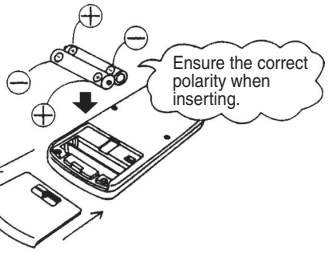
Installation tips for the remote controller holder

- Adjust and keep the holder up right.
- Tighten the screw to the end to avoid scratching the remote controller.
- DO NOT attach the holder on plaster wall.



How to insert batteries

①Detach the back lid.
②Insert the batteries. (two AAA batteries)
③Reattach the back lid.



⑤ Function setting of interface PCB and wireless remote controller

Master/Slave setting when using plural remote controllers

Up to two wireless kit or wired remote controller can be installed in one indoor unit group.
When two wireless kit or wired remote controller are used, it is necessary to change setting on the PCB to slave.

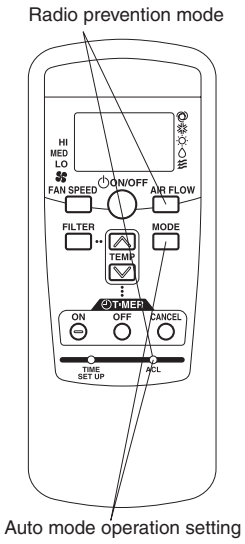
Switch	Setting	Contents
Wired remote controller: SW1 Wireless kit: SW1-2	Master	Master remote controller
	Slave	Slave remote controller

Setting to avoid mixed communication

In case of plural setting, check the operation distance of wireless remote controller, and avoid mixed communication.
Refer to ⑦ Wireless remote controller operation distance on page 323 about the operation distance.
It is necessary to change setting of interface PCB and wireless remote controller.

(1) Interface PCB
Set SW1-1 to "OFF" position.

(2) Wireless remote controller
Pressing ACL and AIR FLOW button at the same time or inserting the batteries with pressing AIR FLOW button will customize the signal.



Setting to disable the Auto mode operation

VRF system (except heat recovery 3-pipe system) cannot be operated in Auto mode.
Make sure to set the remote controller for the models so as not to be able to choose Auto mode.
Pressing ACL and MODE button at the same time or inserting the batteries with pressing MODE button will make auto mode operation.

ATTENTION
When the batteries are removed, the setting will return to the default setting. Please make sure to reset it when the batteries are replaced.

⚠ CAUTION
Instruct the customer to set the mentioned above when replacing the batteries.
(How to set is also mentioned in the user's manual attached on the air conditioner.)

⑥ Wiring

Control plural indoor units with one remote controller

Up to 16 indoor units can be connected.

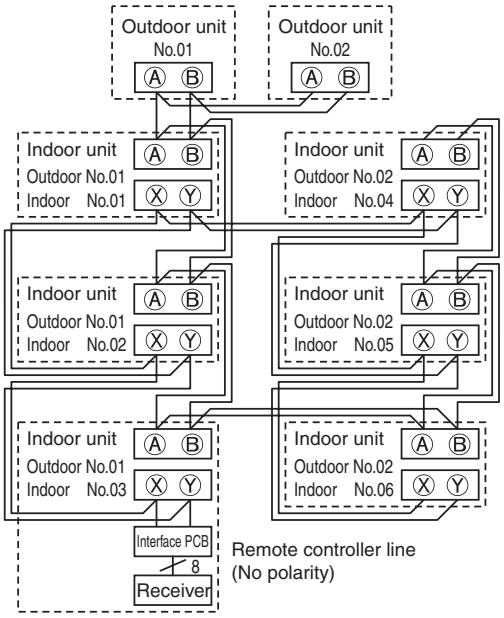
① Connect indoor units with each other with 2-core wires. As for size, refer to the following note.

② The receiver wires must be connected only with the indoor unit that will be operated by the remote controller directly.

③ Use the rotary SW1 and SW2 provided on the indoor unit PCB (Printed circuit board) to set unique remote control communication address avoiding duplication.

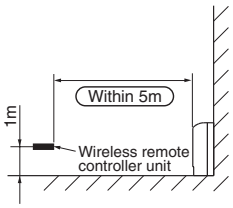
Restrictions on the thickness and length of wire
(Maximum total extension 600m.)

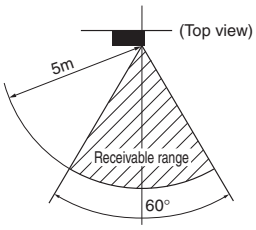
Standard	Within 100m x 0.3mm²
	Within 200m x 0.5mm²
	Within 300m x 0.75mm²
	Within 400m x 1.25mm²
	Within 600m x 2.0mm²



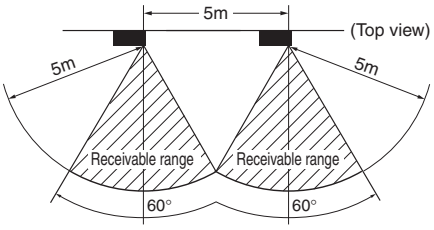
⑦ Wireless remote controller operation distance

① Standard signal receiving range
[Condition]
Illuminance at the receiver area: 360 lux. (When no lighting fixture is located within 1m of indoor unit in an ordinary office)





② Points for attention in connecting a plural number of indoor units
[Condition]
Illuminance at the receiver area: 360 lux.



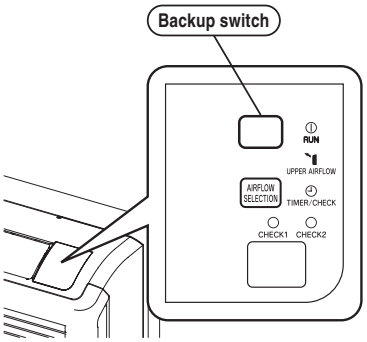
⑧ Trial operation

Backup switch

The backup switch is provided on the display label. It is possible to use the backup switch as shown in the figure right. When operation from the wireless remote controller is not possible (due to flat batteries, a mislaid unit, a unit failure), the backup switch can be used as an emergency means. The backup switch is operated manually.

(1) If pressed while the air conditioner is in a halt, it will cause the air conditioner to start operation in the automatic mode (in the case of cooling only, in the cooling mode).
Fan speed: Hi fan, Temperature setting: 23°C, Louver: horizontal

(2) If pressed while the air conditioner is in operation, it will stop the air conditioner.



Cooling test run operation

- After safety confirmation, turn on the power.
- Transmit a cooling operation command with the wireless remote controller, while the backup switch on the receiver is depressed.
- If the backup switch on the receiver is pressed during a test run, it will end the test run.
- If the air conditioner can not operate properly during the test run, check wiring according to the trouble shooting guides.

NOTE

1. After over 2 minutes from power on, operate the wireless remote controller.
   The operation is invalid during 2 minutes from power on.
2. Check indicator lamp “check1” / “check2” shows error code.
   The number of blinking shows the error code number of tens/ones place and check1/check2 corresponds to tens/ones place.

How to select air flow

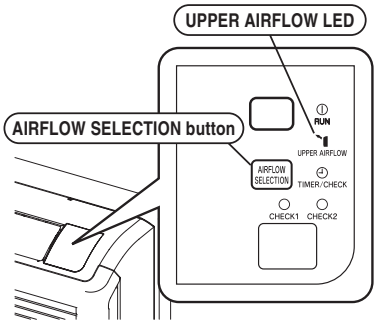
AIR SELECTION button can switch the air supply.

(1) Stop the air conditioner.

(2) Select the airflow from AIR SELECTION button on the unit display.

① In case of selecting to upper airflow.
Press the AIRFLOW SELECTION button once.
UPPER AIRFLOW LED will light for ten seconds.

② In case of selecting to upper and lower airflow.
When UPPER AIRFLOW LED is lit by pressing AIRFLOW SELECTION button, press AIRFLOW SELECTION button once again.
UPPER AIRFLOW LED will turn off.



(f) Except for FDT, FDTC, FDK, FDE & FDFW Series (RCN-KIT3-E)

PJZ012D060 a

This product is dedicated for heat pump unit. Never install on the unit dedicated for cooling.

(1) Wireless kit model

Model
RCN-KIT3-E

(2) Accessories (Confirm the following accessories).

① Light detection adaptor	1
② Wiring (3m)	1
③ Parts set (A)	1
④ Parts set (B)	1
⑤ Parts set (C)	1
⑥ Wireless remote controller	1
⑦ User's manual	1

① Screw for receiver	2
② Fixing band	1
③ Clamp	5
④ Screw for clamp	5

① Remote controller holder	1
② Screw for holder	2
③ AAA dry cell battery (R03)	2

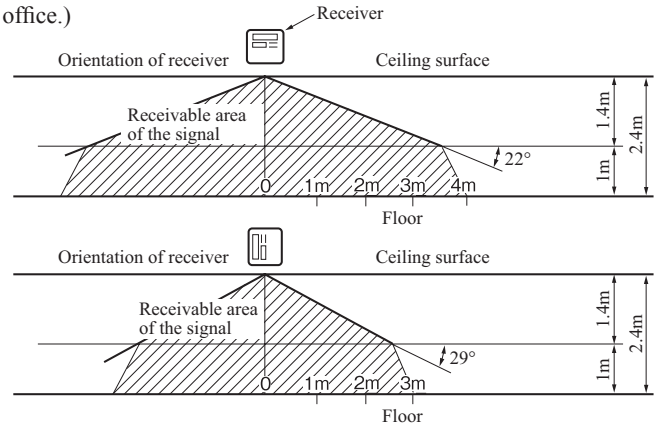
① Receiver installation bracket	1
② Screw for the bracket	2
③ Installation fitting	2

(3) Wireless remote controller's operable area

(a) When installed on ceiling

① Standard reachable area of the signal

[Condition] Illuminance at the receiver : 300lux (when no lighting is installed within 1m of the receiver in an ordinary office.)



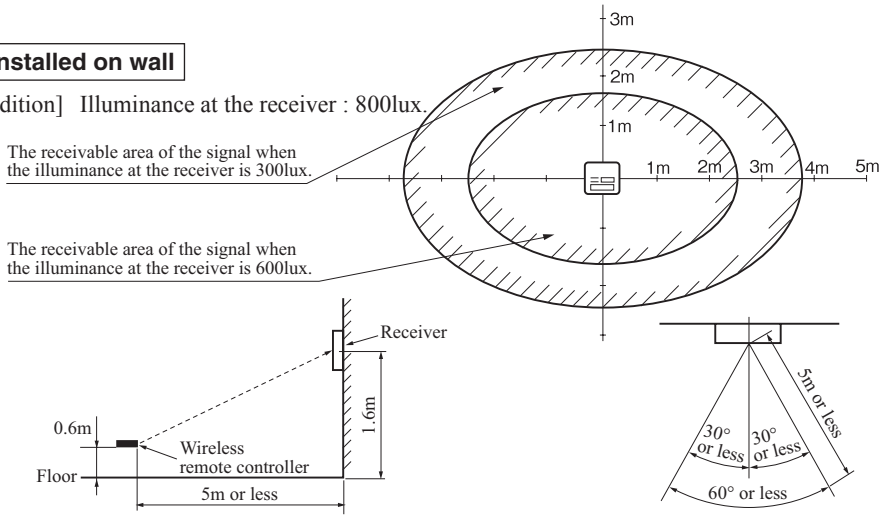
② Correlation between illuminance at the receiver and reachable area of the signal in a plain view.

[Condition] Correlation between the reachable area of the signal and illuminance at the receiver when the remote controller is operated at 1.1m high under the condition of ceiling height of 2.5m.

When the illuminance becomes double, the area is narrowed down to two third.

(b) When installed on wall

[Condition] Illuminance at the receiver : 800lux.



(4) How to install the receiver

The following two methods can be used to install the receiver onto a ceiling or a wall.

Select a method according to the installation position.

<Installation position>

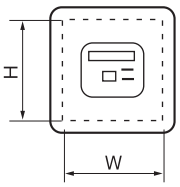
① Direct installation onto the ceiling with wood screws.

② Installation with accessory's bracket

(a) Drilling of the ceiling (ceiling opening)

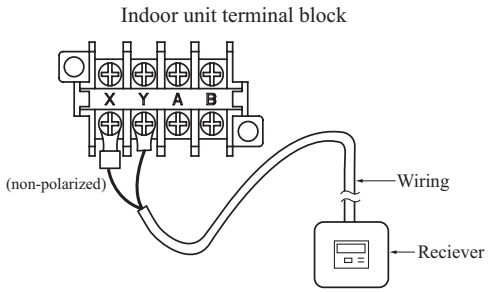
Drill the receiver installation holes with the following dimensions at the ceiling position where wires can be connected.

(A) Direct installation onto the ceiling with wood screws.	88mm (H) × 101mm (W)
(B) Installation with enclosed bracket.	108mm (H) × 108mm (W)



(b) Wiring connection of receiver

[Caution] Do not connect the wiring to the power source of the terminal block.
If it is connected, printed board will be damaged.

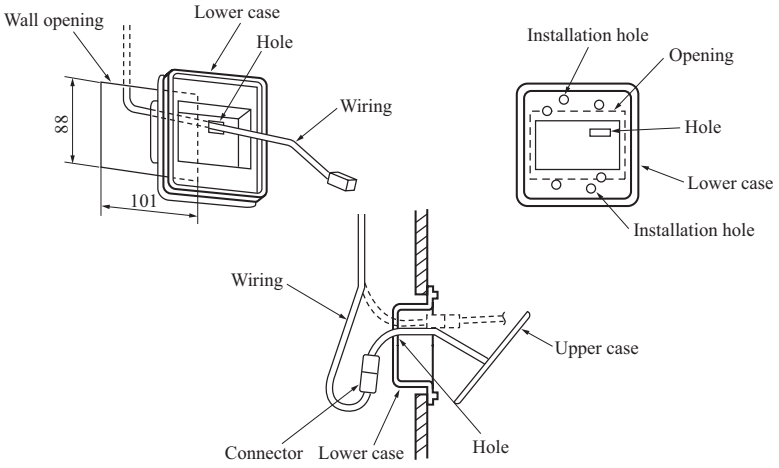


(c) Installation of the receiver

Remove the screw on the side of the receiver and sprit it into the upper case and lower case. Install the receiver with one of the two installation methods (A) or (B) shown below.

(I) Direct installation onto the ceiling with screws

▷ Use this installation method when the ceiling is wooden, and there is no problem for strength in installing directly with wood screws.



① Put through the wiring from the back side to the hole of the lower case.

② Fit the lower case into the ceiling opening. Make sure that the clearance between the convex part of the back of the lower case and the ceiling opening must be as equal as possible on both sides.

③ Using the two installation holes shown above, fix the lower case onto the ceiling with the enclosed wood screws. (The other four holes are not used.)

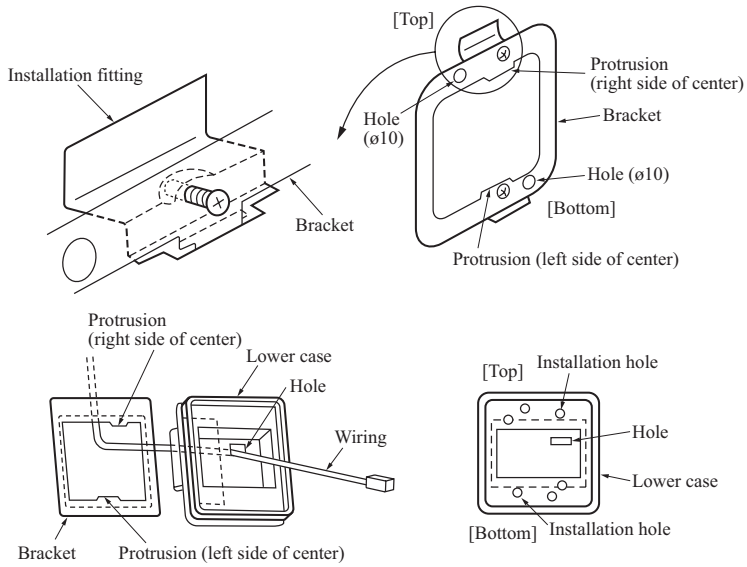
④ Connect the wiring with the wiring from the upper case by the connector.

⑤ Take out the connector to the backside from the hole of the lower case putting through the wiring at ① .

⑥ Fit the upper case and the lower case, and tighten the screws.

(Ⅱ) Installation with enclosed bracket

▷ Use this method when installaing onto a gypsum board (7 to 18mm), etc.



① Catch the two protrusion of the enclosed bracket onto the fitting as shown above, and temporarily fix with the screws. (The bracket has an up/down and front/back orientation. Confirm the top/bottom protrusion positions and the positional relation of the ø 10 holes on the bracket and the installation hole on the lower case with the above drawing.)

② Insert the end of the installation fitting into the back of the ceiling from the opening, and tighten the screws to fix the bracket onto the ceiling.

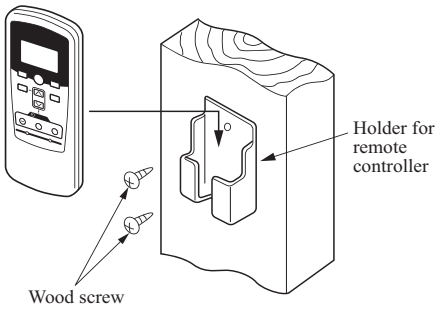
③ Pass the wiring from the rear side through the hole on the lower case.

④ Fit the lower case onto the bracket, and fix the lower case to the bracket using the two installation holes shown above. (The other four holes are not used.)

⑤ Follow step ① to ⑥ for (A) to complete the installation.

(5) Remote controller

Installation of the controller holder



Caution

DO NOT install it on the following places

1. Places exposed to direct sunlight
2. Places near heat devices
3. High humidity places
4. Hot surface or cold surface enough to generate condensation
5. Places exposed to oil mist or steam directly
6. Uneven surface

Installation tips for the remote controller holder

• Adjust and keep the holder upright.

• Tighten the screw to the end to avoid scratching the remote controller.

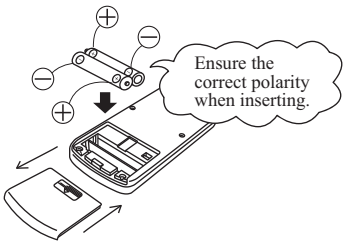
• DO NOT attach the holder to plaster wall.

How to insert batteries

① Detach the back lid.

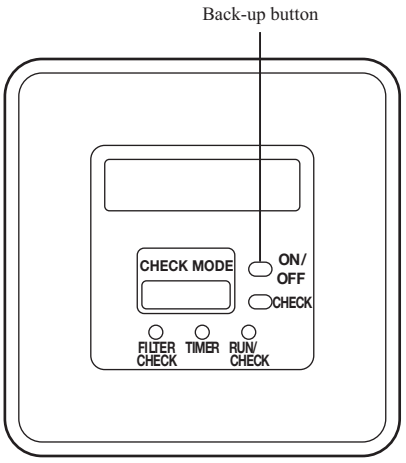
② Insert the batteries. (two AAA batteries)

③ Reattach the back lid.



(6) Cooling test run operation

- After safety confirmation, turn on the power.
- Transmit a cooling operation command with wireless remote controller, while the backup button on the receiver is pressed.
- If the backup button on the receiver is pressed during a test run, it will end the test run.
- If you cannot operate the unit properly during a test run, please check by consulting with inspection guides on the wiring diagram of outdoor units.



(7) Setting of wireless remote controller and receiver

(I) Methods of avoiding the malfunction due to the mixed communication

Do both procedures ① and ② .

This setting is to avoid the mixed communication with other household electric appliances or the mixed communication when two receivers are located closely.

① **Setting change of the wireless remote controller**

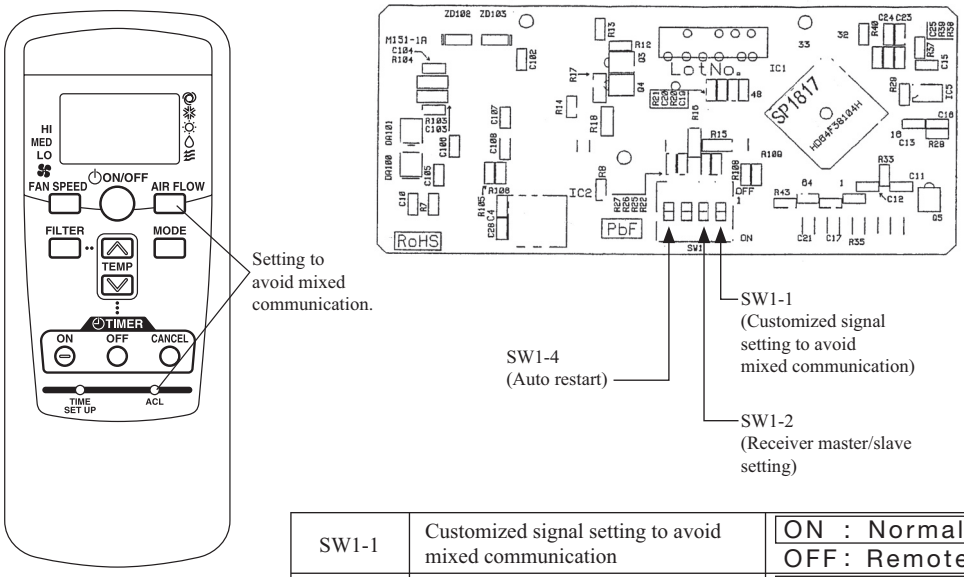
Pressing ACL and AIRFLOW button at the same time or inserting the batteries with pressing AIRFLOW button will customize the signal.

Note *When the batteries are removed, the setting will return to the default setting. Make sure to reset it when the batteries are replaced.

② **Setting the PCB of the receiver**

Turn SW1-1 off.

● **Wireless remote controller** ● **PCB of the receiver**



SW1-1	Customized signal setting to avoid mixed communication	ON : Normal OFF: Remote
SW1-2	Receiver master/slave setting	ON : Master OFF: Slave
SW1-4	Auto restart	ON : Valid OFF: Invalid

[ ] : Default setting

(Ⅱ) Control plural indoor units with one remote controller

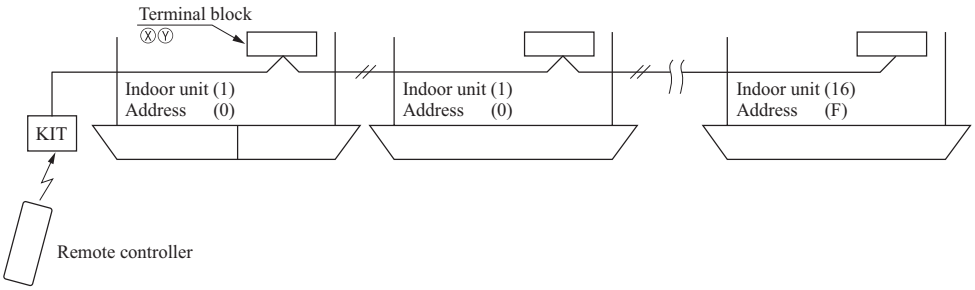
Up to 16 indoor units can be connected.

① Connect the XY terminal with 2-core wire. As for the size, refer to the following note.

② For Packaged air conditioner series, set the indoor unit address with SW2 on the indoor unit PCB from [0] to [F] so as not to duplicate.

Restrictions on the thickness and length of wire
(Maximun total extension 600m.)

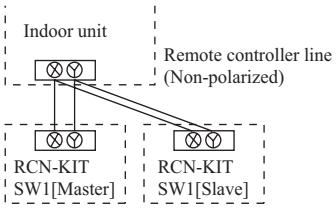
Standard	Within 100m x 0.3 mm^2
	Within 200m x 0.5 mm^2
	Within 300m x 0.75mm^2
	Within 400m x 1.25mm^2
	Within 600m x 2.0 mm^2



③ For VRF series, set the indoor unit address with SW1, SW2 and SW5-2 on the indoor unit PCB from [000] to [127] so as not to duplicate.

(Ⅲ) Master/Slave setting when using plural remote controller

Up to two receivers can be installed in one indoor unit group.



Switch	Setting	Function
SW1-2	ON	Master
	OFF	Slave

(Ⅳ) Change setting of auto mode operation

Auto mode operation is prohibited to be selected for KX models (except for KXR models).

Therefore be sure to change setting of remote controller to disable the auto mode operation for these models according to the following procedure.

While pressing the MODE button, press the ACL switch, or while pressing the MODE button, insert the batteries to the remote controller. Then the auto mode can be invalid.

Attention

When the batteries are removed, it is returned to initial setting (Auto mode becomes valid).

Accordingly when replacing the batteries, be sure to perform the above operation once again.

(Ⅴ) Change setting of fan speed

While pressing the FAN SPEED button, press the ACL switch, or while pressing the FAN SPEED button, insert the batteries to the remote controller. Then the fan speed can be changed from 2-speed setting to 3-speed setting.

When changing fan speed setting of remote controller, be sure to perform the same fan speed setting as that of the indoor unit model to be used.

Attention

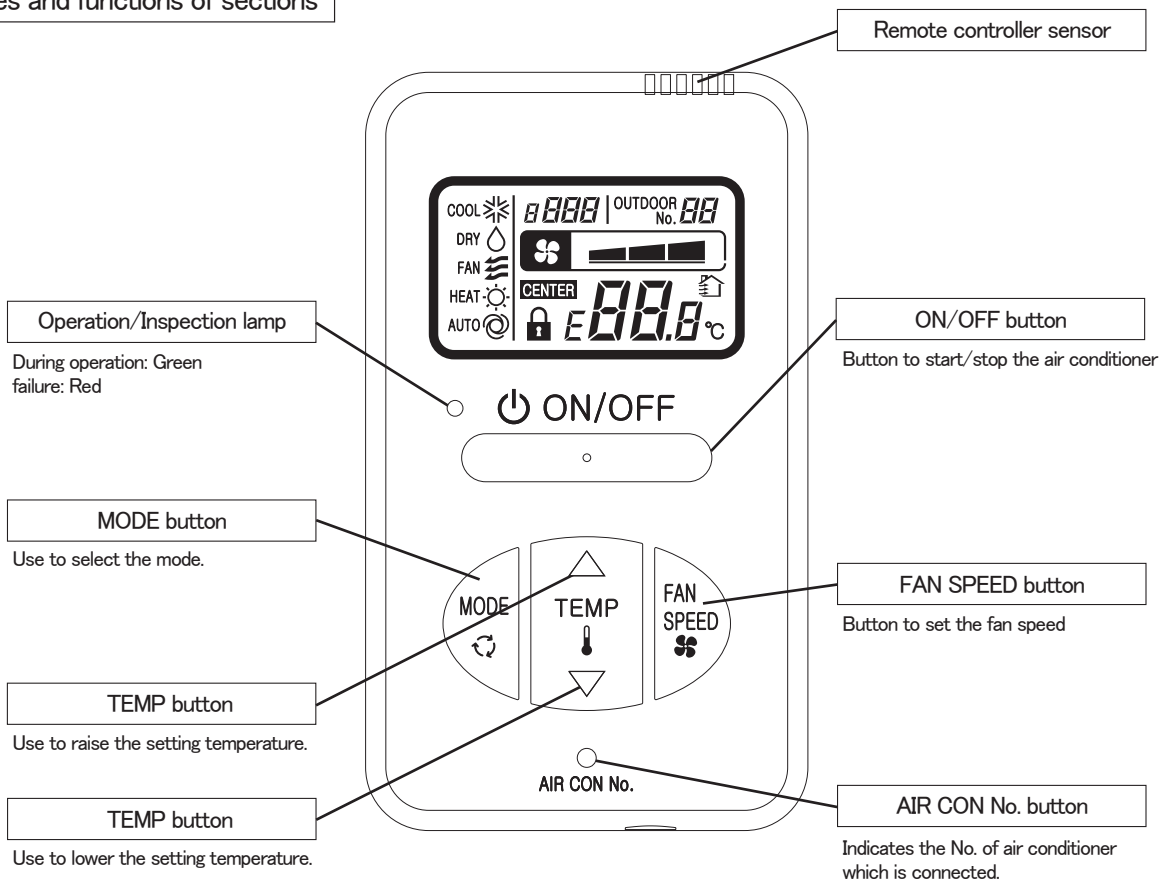
When the batteries are removed, it is returned to initial setting (Fan speed setting is 2-speed).

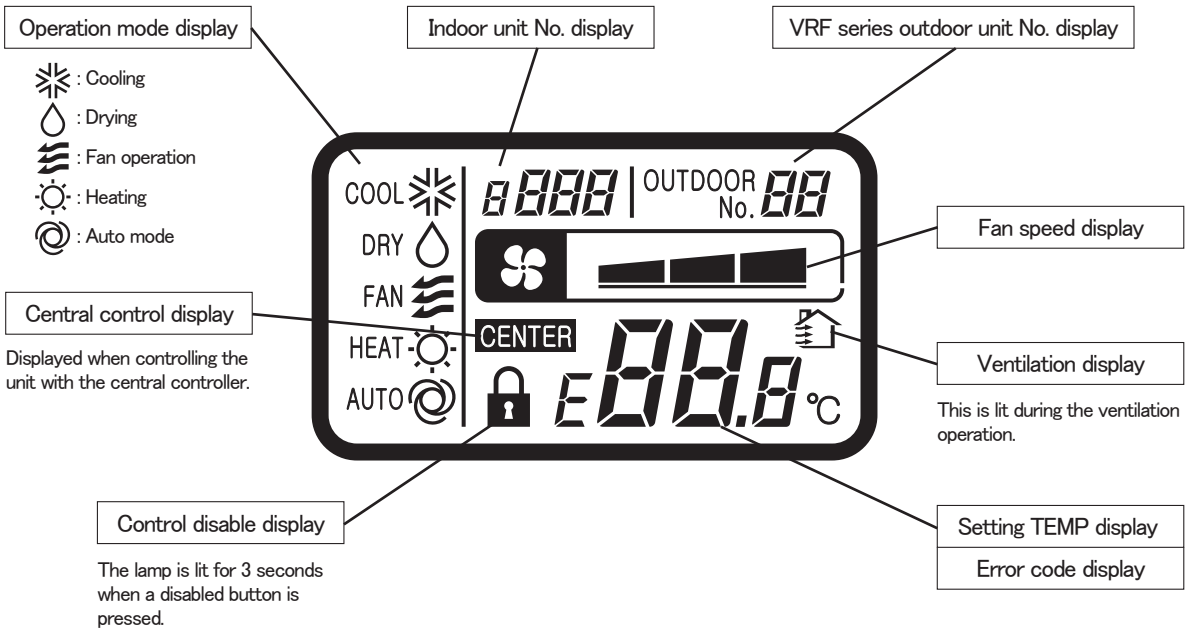
Accordingly when replacing the batteries, be sure to perform the above operation once again.

4.2 Simple wired remote controller (RCH-E3)

Models RCH-E3

Names and functions of sections





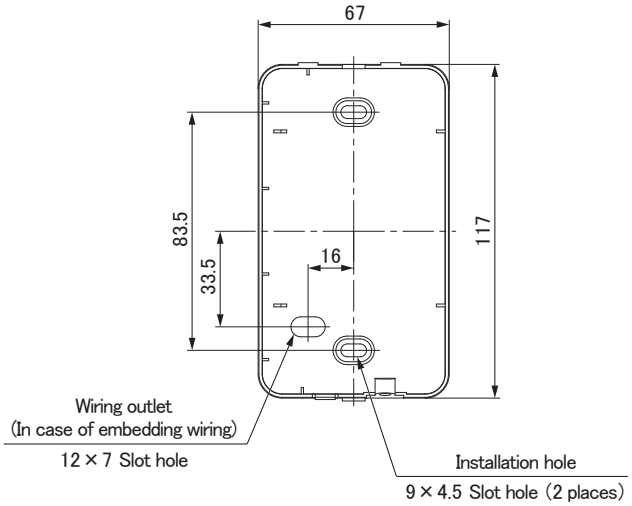
Installation of remote controller

DO NOT install the remote controller at the following places in order to avoid malfunction.

(1) Places exposed to direct sunlight
(2) Places near heat devices
(3) High humidity places
(4) Hot surface or cold surface enough to generate condensation
(5) Places exposed to oil mist or steam directly
(6) Uneven surface

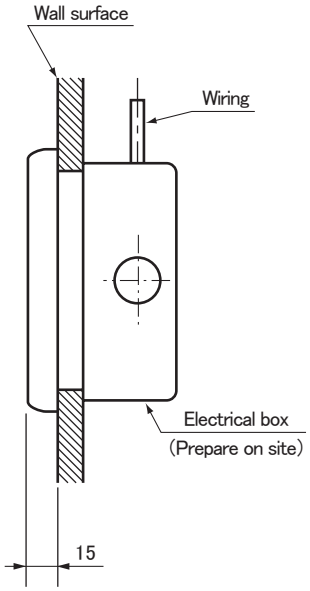
PJZ000Z272

Remote control installation dimensions

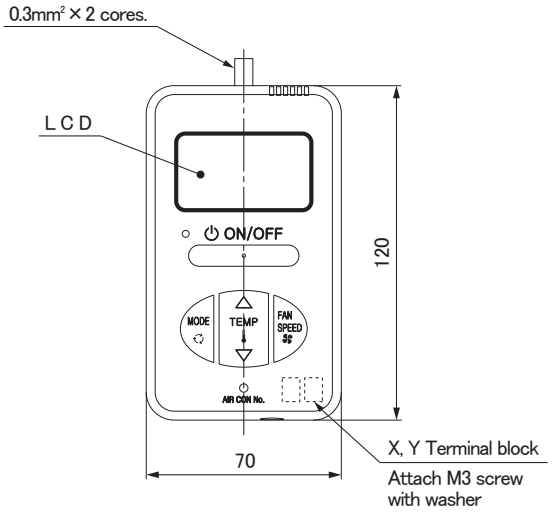


Note: Installation screw for remote controller
M4 Screw (2 pieces)

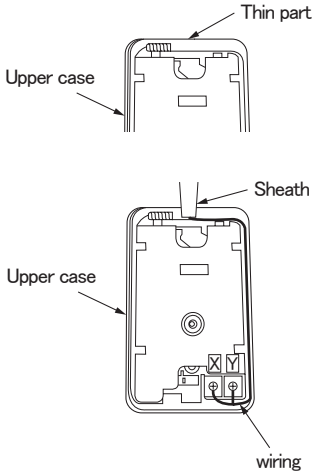
In case of embedding wiring



In case of exposing wiring

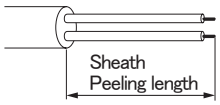


The remote controller wiring can be extracted from the upper center.
After the thin part in the upper side of the remote controller upper case is scraped with a nipper or knife, remove burr with a file.



The peeling length of each wiring is as follows:

X wiring : 160mm Y wiring : 150mm



Wiring specifications

(1) Wiring of remote controller should use 0.3mm² × 2 core wires or cables. (on-site configuration)
(2) Maximum prolongation of remote controller wiring is 600m.
If the prolongation is over 100m, change to the size below.
But, the wiring in the remote controller case should be 0.3mm² (recommended) to 0.5mm².
Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire
connecting section. Be careful about contact failure.

Unit:mm

Length	Wiring thickness
100 to 200m	0.5mm² × 2 cores
Under 300m	0.75mm² × 2 cores
Under 400m	1.25mm² × 2 cores
Under 600m	2.0mm² × 2 cores

Adapted to **RoHS** directive

Simple Remote Controller Installation Manual

PJZ012D069

Read together with indoor unit's installation manual.

⚠WARNING

- **Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal.**
  Loose connection or hold will cause abnormal heat generation or fire.
- **Make sure the power supply is turned off when electric wiring work.**
  Otherwise, electric shock, malfunction and improper running may occur.

⚠ CAUTION

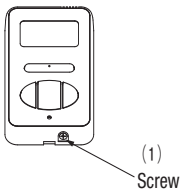
- **DO NOT install the remote controller at the following places in order to avoid malfunction.**
  (1) Places exposed to direct sunlight
  (2) Places near heat devices
  (3) High humidity places
  (4) Hot surface or cold surface enough to generate condensation
  (5) Places exposed to oil mist or steam directly
  (6) Uneven surface
- **DO NOT leave the remote controller without the upper case.**
  In case the upper cace needs to be detached, protect the remote controller with a packaging box or bag in order to keep it away from water and dust.

Accessories	Remote controller, wood screw (ϕ3.5×16) 2 pieces
Prepare on site	Remote controller cord (2 cores) (Refer to [2. Installation and wiring of remote controller]) [In case of embedding cord] Electrical box, M4 screw (2 pieces) [In case of exposing cord] Cord clamp (if needed)

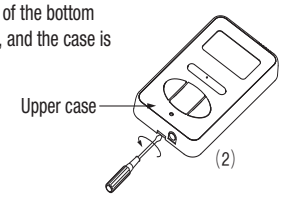
1. Installation procedure

In case of embedding cord

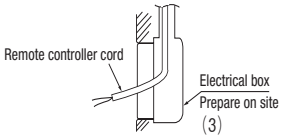
(1) Make certain to remove the screw on the bottom surface of the remote controller.



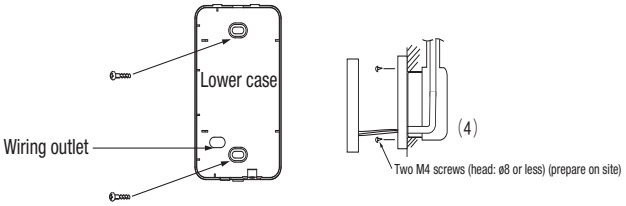
(2) Remove the upper case of the remote controller.
Insert a flat-blade screwdriver to a concave portion of the bottom surface of the remote controller and slightly twist it, and the case is removed.



(3) Pre-bury the electrical box and remote controller cord.



(4) Prepare two M4 screws (recommended length: 12 – 16mm), and install the lower case to the electrical box.
Do not use a screw whose screw head is larger than the height of the wall around the screw hole.

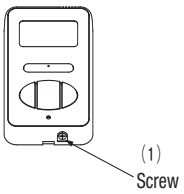


(5) Connect the remote controller cord to the terminal block.
Connect the terminals (X and Y) of the remote controller and the terminals (X and Y) of the indoor unit. (No polarity of X and Y)

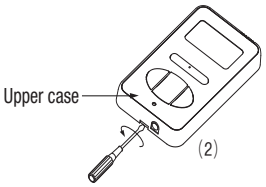
(6) Mount the upper case for restoring to its former state so as not to crimp the remote controller cord, and secure with the removed screw.

In case of exposing cord

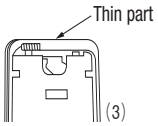
(1) Make certain to remove a screw on the bottom surface of the remote controller.



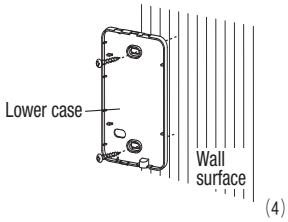
(2) Remove the upper case of the remote controller.
Insert a flat-blade screwdriver to a concave portion of the bottom surface of the remote control and slightly twist it, and the case is removed.



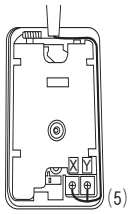
(3) The remote controller cord can be extracted from the upper center.
After the thin part in the upper side of the remote controller upper case is scraped with a nipper or knife, remove burr with a file.



(4) The lower case of the remote controller is mounted to a flat wall with two accessory wood screws.

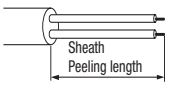


(5) Connect the remote controller cord to the terminal block.
Connect the terminals (X and Y) of the remote controller and the terminals (X and Y) of the indoor unit. (No polarity of X and Y)
The wiring route is as shown in the right.



The wiring in the remote controller case should be 0.3 mm^2 (recommended) to 0.5 mm^2 at maximum.
Further, peel off the sheath.
The peeling length of each wiring is as follows:

X wiring : 160mm Y wiring : 150mm



(6) Mount the upper case for restoring to its former state so as not to crimp the remote controller cord, and secure with the removed screw.

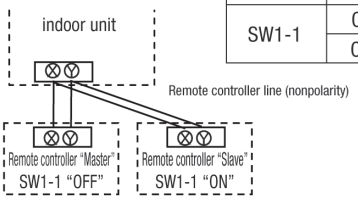
(7) In the case of exposing installation, secure the remote controller cord to the wall surface with a cord clamp so as not to loosen the remote controller cord.

2. Installation and wiring of remote controller

(1) Wiring of remote controller should use 0.3mm^2 × 2 core wires or cables. (on-site configuration)
(2) Maximum prolongation of remote controller wiring is 600 m.
If the prolongation is over 100m, change to the size below.
But, the wiring in the remote controller case should be 0.3mm^2 (recommended) to 0.5mm^2.
Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire
connecting section. Be careful about contact failure.
100 - 200m·····0.5mm^2 × 2 cores
Under 300m·····0.75mm^2 × 2 cores
Under 400m·····1.25mm^2 × 2 cores
Under 600m·····2.0mm^2 × 2 cores

3. Master/ slave setting when more than one remote controller are used

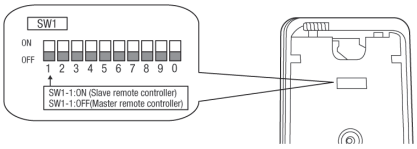
(1) Up to two remote controllers can be connected to one unit (or one group) of indoor unit.



Switch	Setting	Function detail
SW1-1	ON	Slave remote controller
	OFF	Master remote controller

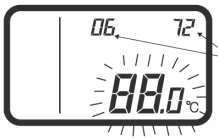
(2) Set the switch SW1-1 of the slave remote controller is "Slave" (ON). The factory default is set as "Master" (OFF).

(Note) • The remote controller thermistor enabled setting can be set only to the master remote controller.
• Install the master remote controller at the position to detect room temperature.
• The air conditioner operation follows the last operation of the remote controller in case of the master / slave setting.



4. The indication when power source is supplied

(1) At the time of turning the power source on, after the light is on for the first 2 seconds, the display becomes as shown below.
The number displayed on the upper side of LCD in the remote control is the software number, and this is not an error code.



Software number
(The number in the left is one example. Another number may be shown.)

(2) Then, "88.0 °C" blinks on the remote controller until the communication between the remote controller and the indoor unit is established.

(3) In the case of connecting one remote controller with one unit (or one group) of indoor unit, make certain to set the master remote controller (factory default).
If the slave remote control is set, a communication cannot be established.

(4) If a state where the communication between the remote controller and the indoor unit cannot be established continues about for 30 minutes, "E" is displayed. Confirm the wiring of the indoor unit and the outdoor unit and master/slave setting of the remote controller.

5. Confirmation method for return air temperature

Return air temperature can be confirmed by the remote controller operation.

(1) **Press AIR CON NO. button for over 5 seconds.**
"88" blinks on the temperature setting indicator.
("88" blinks for approximately 2 seconds while data is read.)
↓
Then, the return air temperature is displayed.
(Example) return air temperature: "27 °C" (blinking)

(Note) For the return air temperature, in the normal case, the return air temperature of the indoor unit is displayed; however, in the case that the remote control thermistor is effective, detected temperature by the remote controller thermistor is displayed.

(2) **Press ⏻ ON/OFF button.**
End.

[In the case that the remote thermistor is ineffective and plural indoor units are connected to one remote controller]

(1) **Press AIR CON NO. button for over 5 seconds.**
indoor unit No. indicator: "U 000" (blinking)
(Among the connected indoor units, the lowest number is displayed.)

(2) **Press TEMP△ or TEMP▽ button.**
Select the indoor unit No.

(3) **Press MODE button.**
Dectder the indoor unit No.
(Example) indoor unit No. indicator: "U 000"
"88" blinks on the temperature setting indicator. (blinking for approximately 2 to 10 seconds while data is read) Then, the return air temperature is displayed. When AIR CON NO. is pressed, return to the indoor unit selection display (example, "U 000").

(4) **Press ⏻ ON/OFF button.**
End.

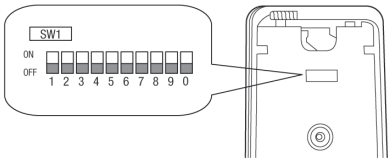
6. Function setting

Each function of the remote controller and the indoor unit is automatically set to the initial setting, which is the standard use, on the occasion of connecting the remote controller with the indoor unit. In the case of the standard use, the setting change is unnecessary. However, if you whould like to change the initial setting " ○ ", change the setting for only the item of the function number. **Record the setting contents and stored them.**

(1) Function setting item by switch on PCB

Switch No.	Setting	Setting detail	Initial setting
SW1-1	ON	Slave remote controller	
	OFF	Master remote controller	○
SW1-2	ON	Remote controller thermistor enabled	
	OFF	Remote controller thermistor disabled	○
SW1-3	ON	"MODE" button prohibited	
	OFF	"MODE" button enabled	○
SW1-4	ON	"ON/OFF" button prohibited	
	OFF	"ON/OFF" button enabled	○

Switch No.	Setting	Setting detail	Initial setting
SW1-5	ON	"TEMP" button prohibited	
	OFF	"TEMP" button enabled	○
SW1-6	ON	"FAN SPEED" button prohibited	※ Note 1
	OFF	"FAN SPEED" button enabled	※ Note 1
SW1-7	ON	Auto restart function enabled	
	OFF	Auto restart function disabled	○
SW1-8, 9, 0	ON OFF	Not used	



- As for the slave remote controller, function setting is impossible other than SW1-1.
- In the indoor unit with only one fan speed, "FAN SPEED" button cannot be enabled.

(2) Function setting item by button operation

Classification	Function No.	Function	Setting No.	Setting	Initial setting	Remarks
Remote controller function	01	Indoor unit fan speed	01	Fan speed: three steps	※ Note 1	The fan speed is three steps, ■■■ - ■■ - ■ .
			02	Fan speed: two steps (Hi-Lo)	※ Note 1	The fan speed is two steps, ■■■ - ■ .
			03	Fan speed: two steps (Hi-Me)		The fan speed is two steps, ■■■ - ■■ .
			04	Fan: one step	※ Note 1	The fan speed is fixed to one step.
	03	Remote controller thermistor at the time of cooling	01	Remote controller thermistor: no offset	○	
			02	Remote controller thermistor: +3.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offset temperature at +3.0°C.
			03	Remote controller thermistor: +2.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offset temperature at +2.0°C.
			04	Remote controller thermistor: +1.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offset temperature at +1.0°C.
			05	Remote controller thermistor: -1.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offset temperature at -1.0°C.
			06	Remote controller thermistor: -2.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offset temperature at -2.0°C.
			07	Remote controller thermistor: -3.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offsett temperature at -3.0°C.
	04	Remote controller thermistor at the time of heating	01	Remote controller thermistor: no offset	○	
			02	Remote controller thermistor: +3.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at +3.0°C.
			03	Remote controller thermistor: +2.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at +2.0°C.
			04	Remote controller thermistor: +1.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at +1.0°C.
			05	Remote controller thermistor: -1.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at -1.0°C.
			06	Remote controller thermistor: -2.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at -2.0°C.
			07	Remote controller thermistor: -3.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at -3.0°C.
	05	Ventilation setting	01	No ventilator connection	○	
			02	Ventilator links air-conditioner		In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VRF series, by connecting it to CND of the indoor printed circuit board), the operation of ventilation device is linked with the operation of indoor unit.
	06	"Auto" operation setting	01	"Auto" operation enabled	※ Note 1	
			02	"Auto" operation disabled	※ Note 1	"Auto" operation disabled
Indoor unit function	07	Operation permission/ prohibition	01	Disabled	○	
			02	Enabled		Operation permission/prohibition controller is enabled.
	08	External input	01	Level input	○	
			02	Pulse input		
	09	Fan speed setting	01	Standard	Note2	
			02	High speed 1	Note2	
			03	High speed 2	Note2	
	10	Fan remaining operation at the time of cooling	01	No remaining operation	○	After cooling stopped, no fan remaining operation
			02	0.5 hours		After cooling stopped, fan remaining operation for 0.5 hours
			03	1 hour		After cooling stopped, fan remaining operation for 1 hour
			04	6 hours		After cooling stopped, fan remaining operation for 6 hours
	11	Fan remaining operation at the time of heating	01	No remaining operation	○	After heating stopped or after heating thermostat OFF, no fan remaining operation
			02	0.5 hours		After heating stopped or after heating thermostat OFF, fan remaining operation for 0.5 hours
			03	2 hours		After heating stopped or after heating thermostat OFF, fan remaining operation for 2 hours
			04	6 hours		After heating stopped or after heating thermostat OFF, fan remaining operation for 6 hours
	12	Setting temperature offset at the time of heating	01	No offset	○	
			02	Setting temperature offset + 3.0 °C		The setting temperature at the time of heating is offset by +3.0 °C.
			03	Setting temperature offset + 2.0 °C		The setting temperature at the time of heating is offset by +2.0 °C.
			04	Setting temperature offset + 1.0 °C		The setting temperature at the time of heating is offset by +1.0 °C.
	13	Heating fan controller	01	Low fan speed	※ Note 1	At the time of heating thermostat OFF, operate with low fan speed.
			02	Setting fan speed		At the time of heating thermostat OFF, operate with the setting fan speed.
			03	Intermittent operation	※ Note 1	At the time of heatingr thermostat OFF, intermittently operate.
			04	Fan off		At the time of heating thermostat OFF, a fan will be stopped. When the remote controller thermistor is enabled, automatically set to "Fan off". Do not set at the time of the indoor unit thermistor.
	14	Return air temperature offset	01	No offset	○	
			02	Return air temperature offset +2.0 °C		Offset the return air temperature of the indoor unit by +2.0 °C.
			03	Return air temperature offset +1.5 °C		Offset the return air temperature of the indoor unit by +1.5 °C.
			04	Return air temperature offset +1.0 °C		Offset the return air temperature of the indoor unit by +1.0 °C.
			05	Return air temperature offset -1.0 °C		Offset the return air temperature of the indoor unit by -1.0 °C.
			06	Return air temperature offset -1.5 °C		Offset the return air temperature of the indoor unit by -1.5 °C.
			07	Return air temperature offset -2.0 °C		Offset the return air temperature of the indoor unit by -2.0 °C.

Note 1: The symbol " ※ " in the initial setting varies depending upon the indoor unit and the outdoor unit to be connected, and this is automatically determined as follows:

Swith No. Function No.	Function	Setting	Product model
SW1-6	"FAN SPEED" button	"FAN SPEED" button prohibited	Product model whose indoor fan speed is only one step
		"FAN SPEED" button enabled	Product model whose indoor fan speed is two steps or three steps
Remote controller function 01	Indoor unit fan speed	Fan speed: three steps	Product model whose indoor unit fan speed is three steps
		Fan speed: two steps (Hi-Lo)	Product model whose indoor unit fan speed is two steps
		Fan speed: two steps (Hi-Me)	
		Fan: one step	Product model whose indoor unit fan speed is only one step
Remote controller function 06	"Auto" operation setting	"Auto" operation enabled	Product model where "Auto" mode is selectable
		"Auto" operation disabled	Product model without "Auto" mode
Indoor unit function 13	Heating fan control	Low fan speed	Product model except FDUS
		Intermittent operation	FDUS

Note 2: Fan speed of "High speed" setting

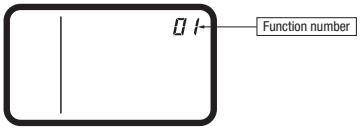
Fan speed setting	Indoor unit fan speed setting		
	■■■ - ■■ - ■	■■■ - ■	■■■ - ■■
Standard	Hi — Mid — Lo	Hi — Lo	Hi — Mid
High speed 1・2	UHi — Hi — Mid	UHi — Mid	UHi — Hi

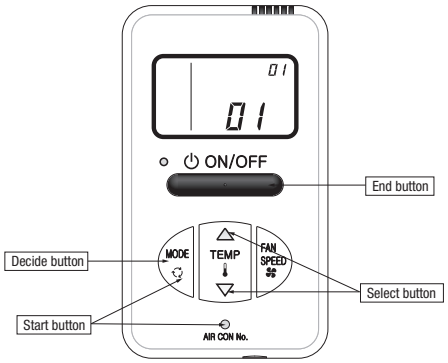
Initial setting of some indoor unit is "High speed".

Note 3: As for plural indoor unit, set indoor functions to each master and slave indoor unit.
But only master indoor unit is received the setting change of indoor unit function "07 Operation permission/ prohibition" and "08 External input".

7. How to set functions by button operation

(1) **Stop air-conditioning, and simultaneously press AIR CON NO. and MODE buttons at the same time for over three seconds.**
The function number "01" blinks in the upper right.

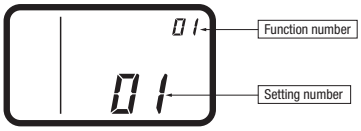




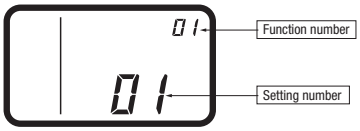
(2) **Press TEMP△ or TEMP▽ button.**
Select the function number.

(3) **Press MODE button.**
Decide the function number.

(4) **[In the case of selecting the remote controller function (01-06)]**
① The current setting number of the selected function number blinks
(Example)
Function number: "01" (lighting)
Setting number: "01" (blinking)

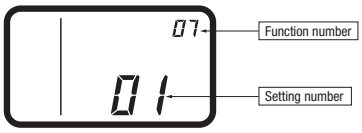


② **Press TEMP△ or TEMP▽ button.**
Select the setting number.
③ **Press MODE button.**
The setting is completed.
Light is on for approximately 3 to 20 seconds while data of the decided function No. and setting No. is transmitted.
(Example)
Function number: "01" (lighting for 3 to 20 seconds)
Setting number: "01" (lighting for 3 to 20 seconds)



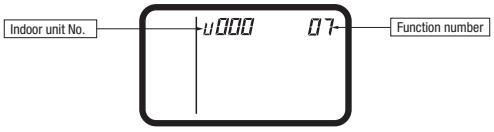
Then, the screen goes back to the function number blinking indication (1), if the setting is sequentially conducted, continue with the same procedures. If the setting is finished, proceed to (5).

[In the case of selecting the indoor unit function (07-14)]
① **"88" blinks on the temperature setting indicators.**
(blinking for approximately 2 to 10 seconds while data is read)
↓
After that, the current setting number of the selected function number blinks.
(Example)
Function number: "07" (lighting)
Setting number: "01" (blinking)



Proceed to ②.

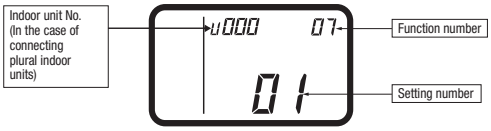
[Note]
a. In the case of connecting one remote control to plural indoor units, the display will be as follows:
Indoor unit No. display: "U 000" (blinking)
(Display the lowest number among the connected indoor units.)



b. Press TEMP△ or TEMP▽ button.
Select the indoor unit No. to be set.
If "U ALL" is selected, the same setting can be set to all units.
c. Press MODE button.
Decide the indoor unit No.
"88" blinks on the temperature setting indicators. (blinking for 2 to 10 seconds while data is read)
When AIR CON NO. button is pressed, go back to the indoor unit selection display (for example, "U 000" blinking).

② **Press TEMP△ or TEMP▽ button.**
Select the setting number

③ **Press MODE button.**
The setting is completed.
Light is on for approximately 3 to 20 seconds while data of the decided function No. and setting No. is transmitted.
(Example)
Indoor unit No.: "U 000" (lighting for 3 to 20 seconds)
Function number: "07" (lighting for 3 to 20 seconds)
Setting number: "01" (lighting for 3 to 20 seconds)



Then, the screen goes back to the function number blinking indication (1), if the setting is sequentially conducted, continue with the same procedures. If the setting is finished, proceed to (5).

(5) **Press ON/OFF button.**
The setting is completed.

- Even if ON/OFF button is pressed during setting, the setting is ended. However, any details where the setting has not been completed will be ineffective.
- The setting contents are stored in the controller, and even if the power failure occur, this will not be lost.

[Confirmation method for current setting]
According to the operation, the "setting number" displayed first after selecting "function number" and pressing MODE button is the currently set content.
(However, in the case of selecting "U ALL" (all units), the setting number of the lowest number among the indoor units is displayed.)

4.3 Fan controller kit for high static pressure duct. (U-FCRA)

The way of installing the optional fan controller for high static pressure ducts. Install the controller in accordance with the following procedure.

⚠ WARNING

① Consult your dealer for the installation of the controller.
② Only qualified electrician must install the controller.
③ Remove the control box before the installation.
Before installing the product, take it out from the package and place it on the floor.
④ Be sure to turn off the power supply during installation.
Unless the above precautions are observed, it could cause electrical shocks or fire.

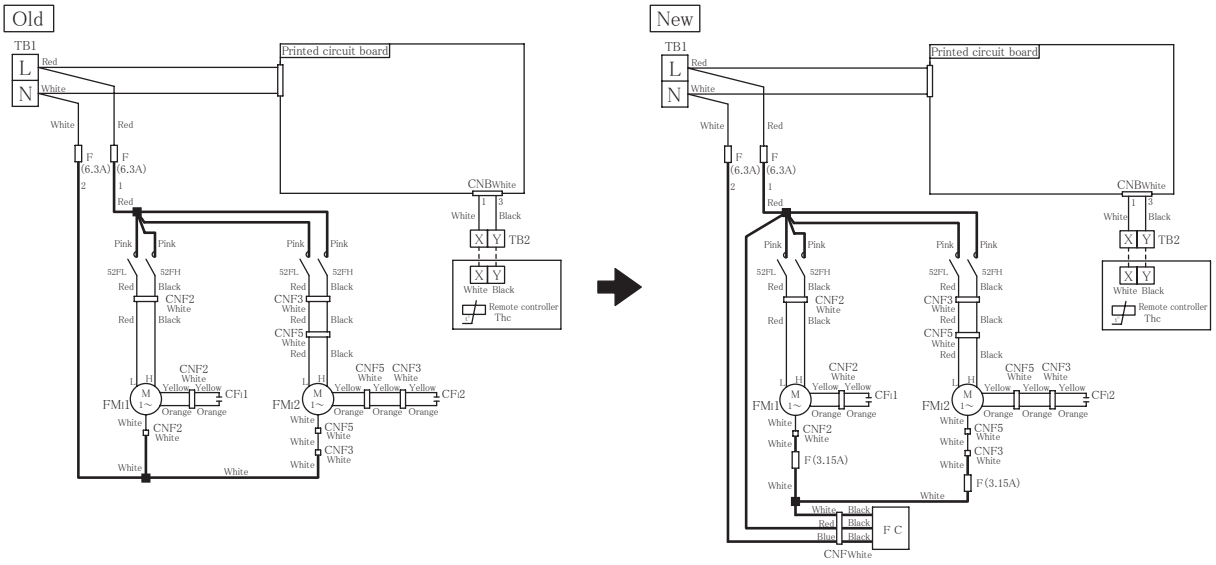
1) Applicable models and corresponding fan controller kit

Model	FDU224,280
Fan controller kit	U-FCRA

2) Component parts list

Fan controller	Wiring A
1 piece	F1, F2, 52FL,4, 52FH,4, 52FL,3, 52FH,3, 52FL,6, 52FH,6, 52FL,5, 52FH,5, FH2, FH1, CFi2, CFi1, CNF3 <FMI-2>, CNF2 <FMI-1>, CNF <FC>
Band	
ⓐ(L=92) : 5 pieces	
Tapping screw	**Wiring B**
(M3 : 2 pcs.) 2 pieces	TB2,X (AK4), TB2,Y (A4), CNB (R9)

3) Electric circuit diagram (Change the sections indicated with bald lines.)



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<Precautions for wiring>

○ Connect wires correctly as shown by the electric wiring diagram. Be sure to tighten set screws firmly to prevent them generating heat or causing other troubles after becoming loose.

○ Number of wires connected to the terminal block must be 2 wires or less. Never connect 3 or more wires in any event.

4) Installation procedure

a) Remove the lid from the control box.

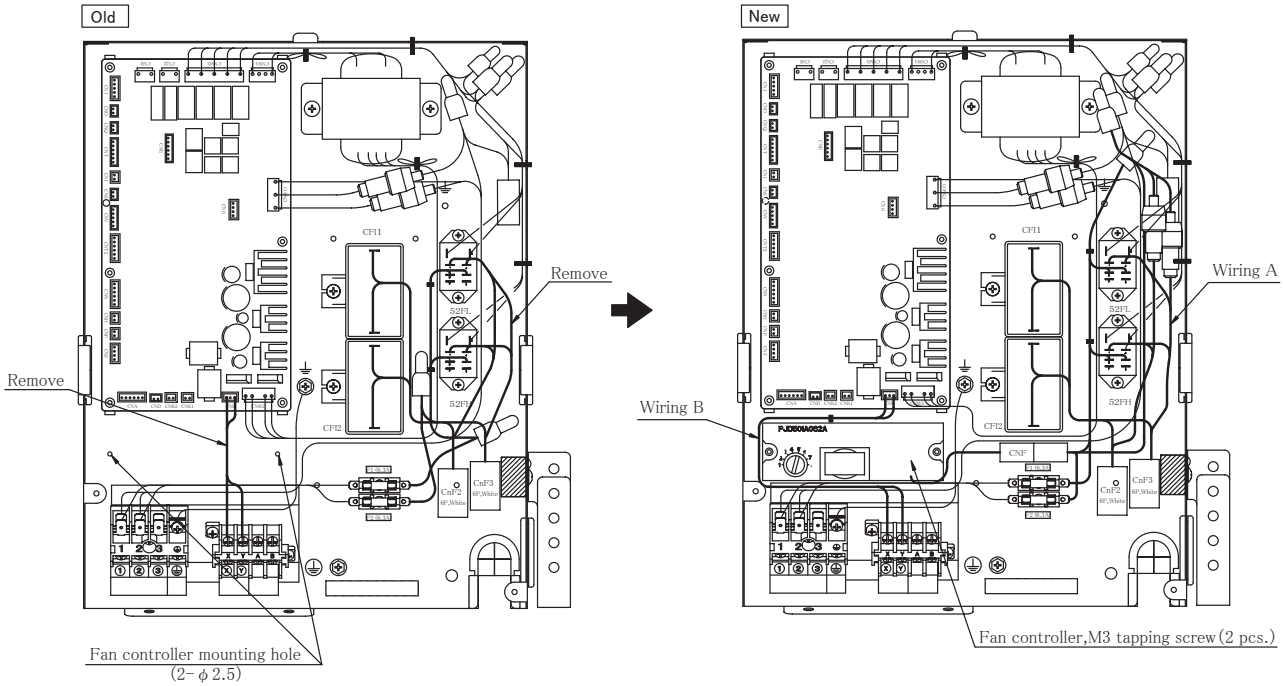
b) Remove the wiring (fuse～CNF2,3) and wiring(TBⓍⓎ～CNB).

⚠CAUTION	Confirm that electricity has been dischaged before touching the capacitor terminals.There is risk of electric shocks.

c) Install the fan controller.

d) Referring to "3) Electric circuit diagram",connect wires as illustrated and fix with bands ⓐ.

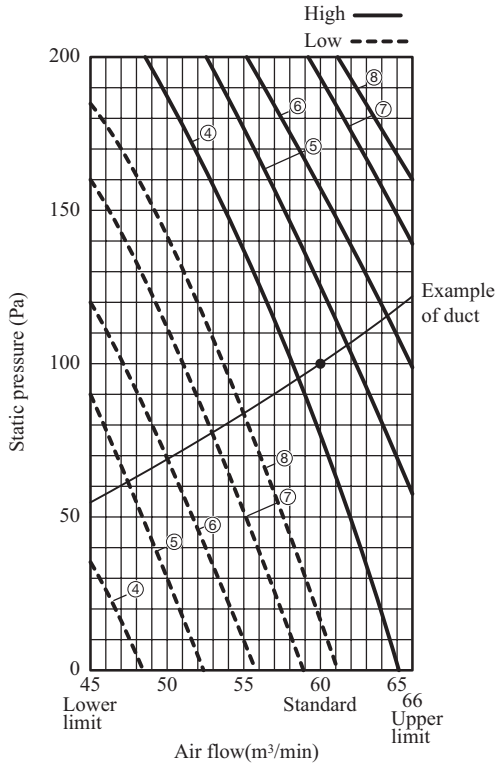
e) Reinstall the removed lid on the control box.



Characteristics of fan

Model FDU224

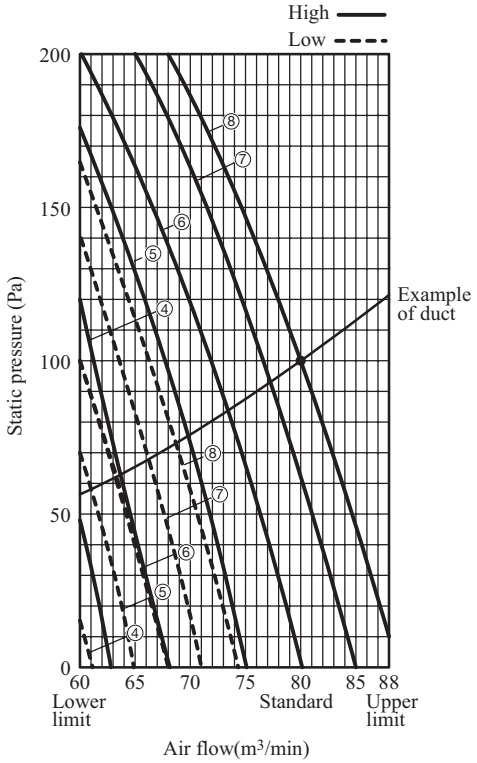
• Standard rating point rated air volume at 100Pa



Notes (1) Nos.③, ② and ① of fan controller should not be used because the fan motor could produce electromagnetic noise.

Model FDU280

• Standard rating point rated air volume at 100Pa



Notes (1) Nos.③, ② and ① of fan controller should not be used because the fan motor could produce electromagnetic noise.

PJZ012D076

4.4 Filter kit (FDUM series)

This manual contains installation points and operating instructions for the filter kit manufactured by MHI.
Carry out the work following the instructions below.
This manual also contains information on the usage after installation,
so keep this manual properly with USER'S MANUAL provided with the indoor unit.

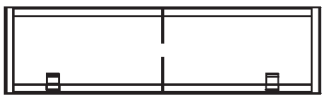
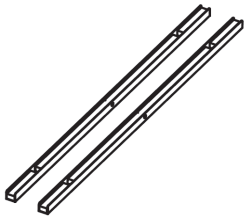
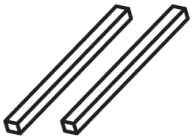
⚠ CAUTION

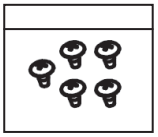
- After unpacking, carry out this work on the ground.
- Do not carry out the work during operation, or there is a danger of being entangled in the rotating parts and getting injured.
- Clean the air filter regularly.
- Be sure to entrust qualified serviceman to performance on the air filter.
- Be sure to cut off the power and stop the unit before performing maintenance.

1. Table of filter kit parts No. and corresponding object models

	Small model	Medium model	Large model
Single type	50	60, 71	100 - 140
Multi type	22 - 56	71, 90	112 - 160
Filter Kit	UM-FL1EF	UM-FL2EF	UM-FL3EF

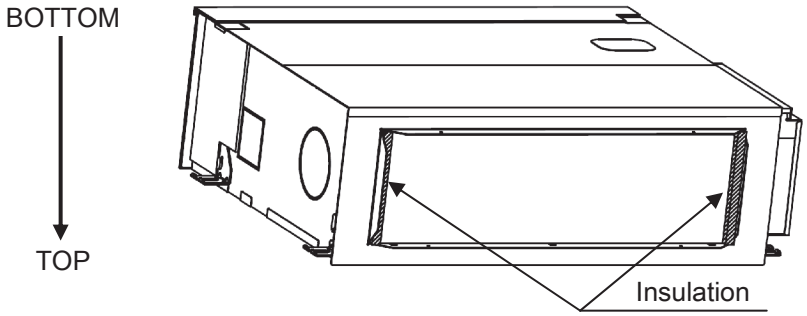
2. Parts list of filter kit

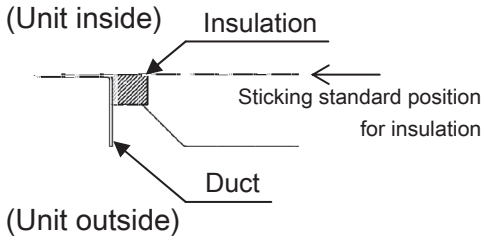
Filter	Rail	Insulation
 1pc	 2pc	 2pc

Bracket	Parts set (screw)	
1pc	 (small and medium-sized model : 5pcs.)	(large model : 7pcs.) 1pc

3. InstallationPoints

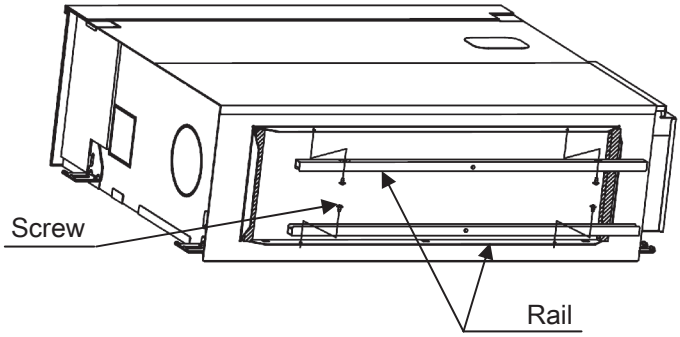
(1) Stick the insulation on both inner sides of the duct, leaving no space up and down.



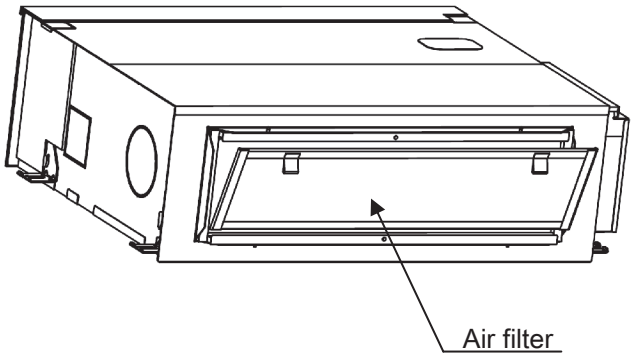


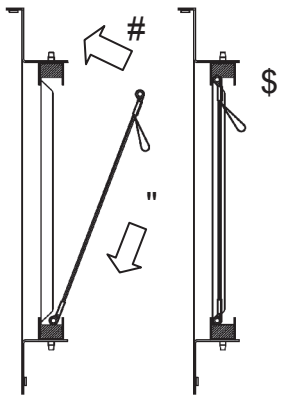
(*) After unpacking, bottom side of the unit is located at the upper side.

(2) Install the rail on both inner sides of the duct with the screw.



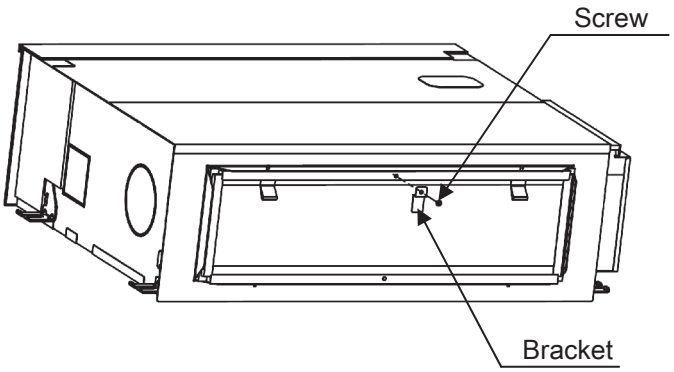
(3) Install the air filter on the rails.





Installation procesure

(4) Install the bracket on the rail with the screw.



(**) When the unit is installed, bottom side of the unit is located at the lower side.

4.5 Filter set (FDUT series)

PJZ012D081

Installation manual of the blowout duct flange plate kit

Use this kit for a direct -blow and duct-less installation.
Replace the plate at the blow outlet of unit and connect the blowout duct according to the following procedure.
The blow outlet assembled on the unit at the shipping from factory, is for conneting duct which produces static pressure of 10Pa or more at the outside of unit.

CAUTION

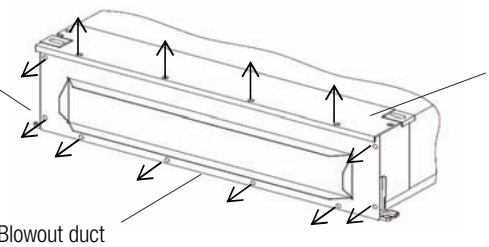
(1) Install the kit while the unit is placed on the floor.
It should not be attempted to install it after installation of the unit in place. Otherwise, it will become very difficult to install it. because related sections could be deformed by the weight of unit.
(2) Do not supply the electric power to the unit during the installation of the kit.
There is the risk of electrical shock or injury be being caught up with revolving parts.

1. Applicable model of unit and type of blowout duct flange plate kit

Type of blowout duct flange plate kit	UT-SAT1EF	UT-SAT2EF	UT-SAT3EF
Model	15, 22, 28, 36	45, 56	71

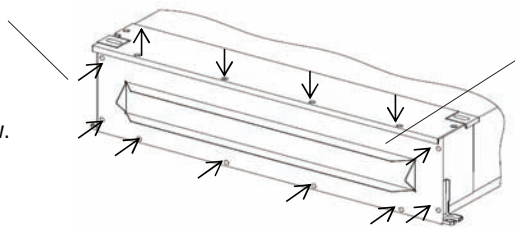
(Figure shows the state that the unit is placed on a floor. Top and bottom are inverted after installing the unit.)
(1) Place the unit as shown below.
(2) Remove the blowout duct flange plate from the unit. Keep the removed tapping screws to reuse later.

◆Location of tapping screws to be removed
15, 22, 28, 36 : 12 places
45, 56 : 14 places
71 : 12 places
Tapping screw size:

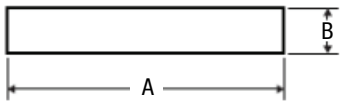


(3) Install the optional blowout duct flange plate using the tapping screws removed at the step (2) above.
Take care not to damage the insulation when tightening the tapping screws.

◆Location of tapping screws to be tightened
15, 22, 28, 36 : 12places
45, 56 : 14 places
71 : 12 places
Reuse removed tapping screw.



3. Instruction
(1) Dimensions of the blowout duct flange of the kit are as shown below.
Dimensions in the following table show the outside measurements of the flange.



	A	B
15,22,28,36	600	70
40,56	860	70
71	1060	70

#

Installation manual for FILTER SET

PJZ012D089

This manual contains installation points for FILTER SET manufactured by MHI.

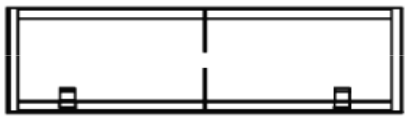
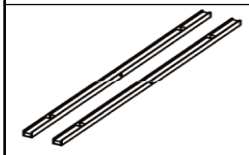
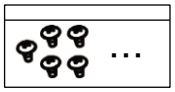
CAUTION

- After unpacking, carry out this work on the ground.
- Do not carry out the work during operation, or there is a danger of being entangled in the rotating parts and getting injured.
- Be sure to cut off the power and stop the unit before maintenance.

1. Applicable model of unit and type of filter set

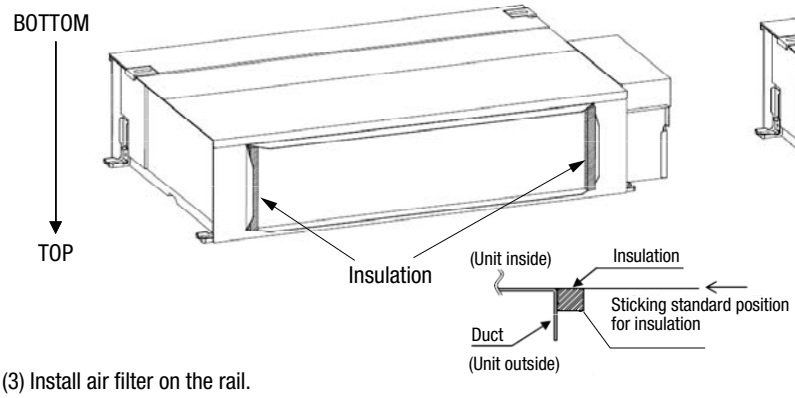
Type of FILTER SET	UT-FL1EF	UT-FL2EF	UT-FL3EF
Model	15, 22, 28, 36	45, 56	71

2. Parts list of FILTER SET

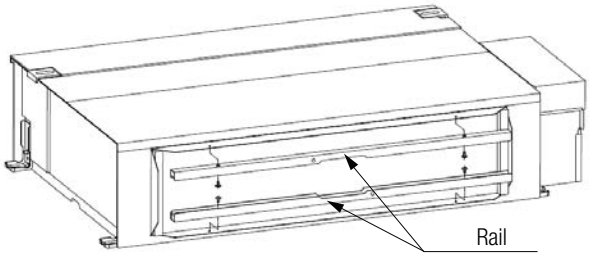
Filter	Rail	Insulation	Bracket	Parts set (screw)
				 UT-FL1EF 5pcs. UT-FL2EF 5pcs. UT-FL3EF 7pcs.
1pc.	2pcs.	2pcs.	1pc.	

● Following procedure (1) to (4) is needed when filter is installed on suction duct flange of unit.

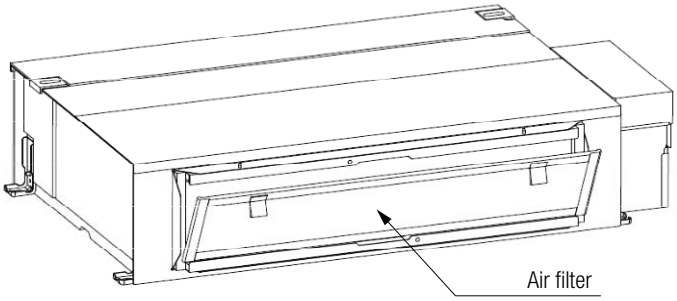
(1) Stick the insulation on both inner sides of the duct flange.

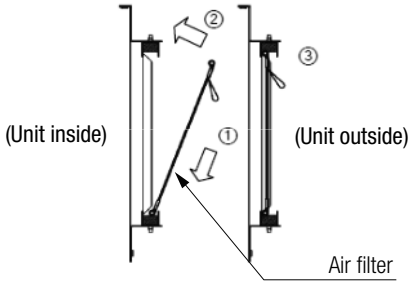


(2) Install the rail on both inner sides of the duct with the screw.



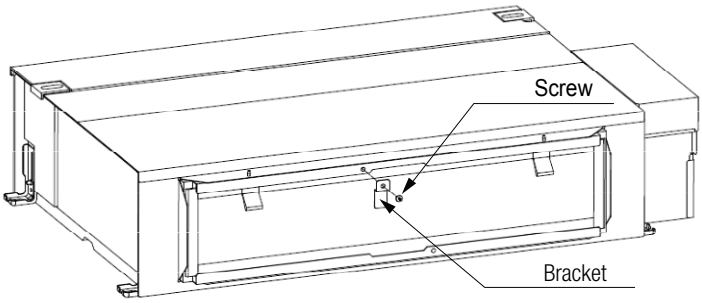
(3) Install air filter on the rail.





Filter installation procedure

(4) Install bracket on the rail with screw.



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