High-efficiency Cellar Cooling

LITEAIR SYSTEM

HUBBARD

High-efficiency Cellar Cooling

NEW

ECA Qualifying

ONLY AVAILABLE FROM NOMINATED WHOLESALERS. PLEASE CALL FOR DETAILS.
01473 892280 or 07831 620071

Choice of 4 condensing units

- **2.7KW - 6.5KW**

Choice of 4 stainless steel evaporators

- **Electronic [E] or Mechanical [M]**
- **Optional factory fitted heater**

Hubbard LITEAIR system is designed to energy-efficiently chill cellars.

Suitable for a wide range of products it is ideal for the storage of barreled beers and bottled beverages.

Designed for quietness the condensing unit is housed in a self-healing smart steel case for internal or external mounting. The evaporator can be wall or roof mounted and contains the system's tamper-proof temperature controller.

A heating option is available where cellar conditioning is required for the correct storage of cask conditioned ales.

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Cost-effective cooling for wines, beers and other beverages.

The Range*
The Hubbard LITEAIR range comprises of four models. R410a refrigerant provides cooling capacities from 2.7 kW to 6.5 kW. These systems are supplied as standard for single phase operation with connection to either internal or external units.

* Cellar temperature from 12.7°C to 5°C DB, ambient 27°C.

Condensing Unit (LC)
The Hubbard LITEAIR unit is designed for external placement and is finished in a light grey Plastisol 'self-healing' smart steel for long service. It can be floor or wall mounted.

Its slim design makes it ideal for situations where space is limited and this also reduces the visual impact of the installation. The access panels are easily removable for service of the main components. Including the compressor, condenser coil complete with fan for quiet operation, HP and LP safety switch HP fan control switch and compressor starter gear.

Evaporator Unit (LE)
The Hubbard LITEAIR evaporator consists of a stainless steel cased enclosure which can be ceiling mounted as standard, or wall mounted.

Evaporators are supplied ready assembled with an expansion valve device, and an electric controller (mechanical option) which operates the compressor directly through an interconnecting control loop. The LITEAIR requires a 4 core (including earth) interconnecting cable. The cable size is dependent on whether the supply is bought to the evaporator or condensing unit.

Condensing unit Features:
- Fuse Protection
- Rotary compressor
- Condenser fan
- HP/LP pre-sets
- HP condenser fan control switch

Evaporator Section Features:
- Fused component protection
- Expansion device for refrigerant control
- Mechanical or electronic control

System options:
- Factory fitted electric heater

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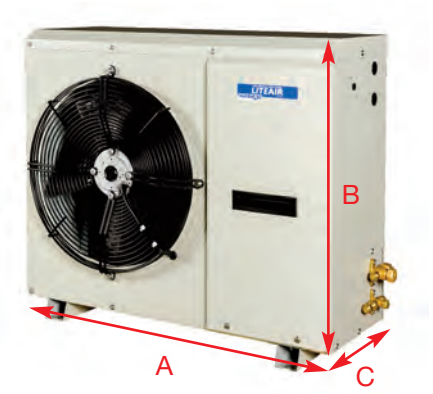
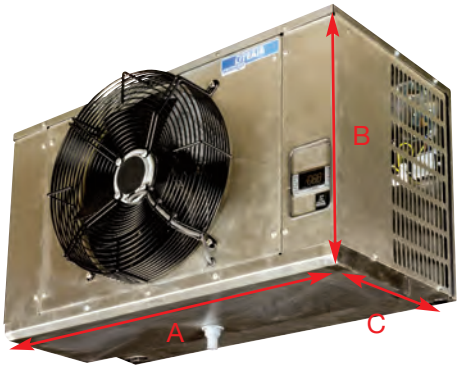
Condenser model	Dimensions (mm)			
LITEAIR	Width (A)	Height (B)	Depth (C)	Weight (kg)
LC75	720	610	250	42
LC100	720	610	250	42
LC150	800	765	320	60
LC200	800	765	320	64



Evaporator	Dimensions (mm)			
LITEAIR	width (A)	height (B)	depth (C)	weight (kg)
LE75	805	450	475	25
LE100	805	450	475	27
LE150	805	450	475	27
LE200	865	525	525	40



Model	Electrical Supply			
LITEAIR	v/ph/hz	FLC	LRC	HRE fuse
LC75	230/1/50	4.87	25	10
LC100	230/1/50	6.58	34	10
LC150	230/1/50	9.68	49	16
LC200	230/1/50	11.78	63	20

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Model	Total cooling duty 12.7°C (DB) 10°C (WB) Internal	Total cooling duty 5°C (DB)(1) 3.5°C (WB) Internal	Refrigerant	Optional electric heater	Airflow	Noise level	Connections		Pipe run max.
	kW	kW		kW	m^3/s	NR(2)	Suct o/d	Liquid o/d	m
LE75	2.7	2.1	R410a	1.5	0.51	52	1/2”	1/4”	25
LC75	2.7	2.1	R410a		0.54	61	1/2”	1/4”	
LE100	3.4	2.7	R410a	1.5	0.62	57	5/8”	1/4”	25
LC100	3.4	2.7	R410a		0.45	48	5/8”	1/4”	
LE150	5.1	4.0	R410a	1.5	0.62	57	5/8”	3/8”	25
LC150	5.1	4.0	R410a		0.45	47	5/8”	3/8”	
LE200	6.5	5.1	R410a	1.5	0.70	59	3/4”	3/8”	25
LC200	6.5	5.1	R410a		0.95	53	3/4”	3/8”	

(1) For operating temperatures below 8°C use Electronic Controller only (Not Electro mechanical control option). (2) NR level free field at 2m (internal) and 3m (external). (3) Air throw - LE75E - 7.5m; LE100E - 12m; LE150E - 12m; LE200E - 13.5m approximate. (4) Unit duty rated at 27°C external.

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Technical helpline 01473 892280 or Ron Pamplin 07831 620071

We reserve the right to change specifications without notice. Details correct at time of going to press.

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