

TES e³ Free Cool Air Blast Coolers

- Lower Energy Costs
- Improve Efficiency
- Reduce Emissions

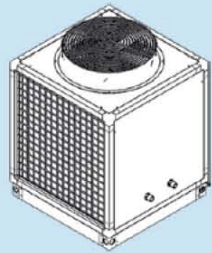
Free cooling for existing chillers. Saves up to 75% of chiller running costs, with pay-back periods as low as 12 months. Designed for easy installation with minimum downtime. Endorsed by the Carbon Trust.



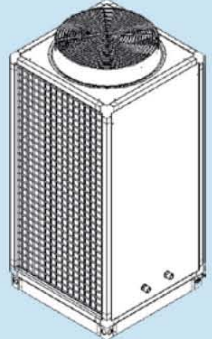
The e³ Range



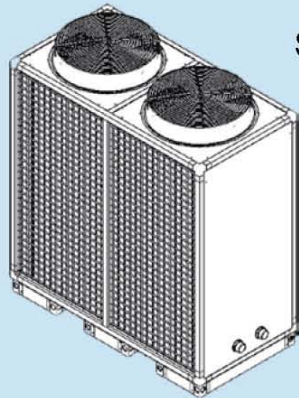
Technical Specification



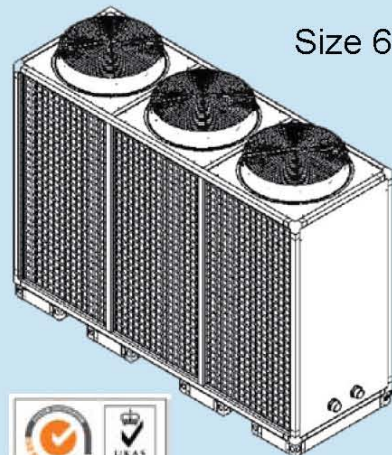
Size 1



Size 2



Size 4



Size 6



Fan

Compact ring mounted axial fan.
630mm diameter.
4 and 6 pole models available.

Pumps

Low power in line circulator in cast iron or bronze.
Provides reliable operation without complex valving arrangements.

Heat Exchangers

Copper tubes with mechanically bonded aluminium fins in a galvanised steel case.
Arranged to allow full draining of e³ unit.

Enclosure

Frame - Extruded anodised aluminium pentapost with cast corner joint modular system.
Panels - 0.9mm stainless steel sheet with vertical brushed 120 grit finish.

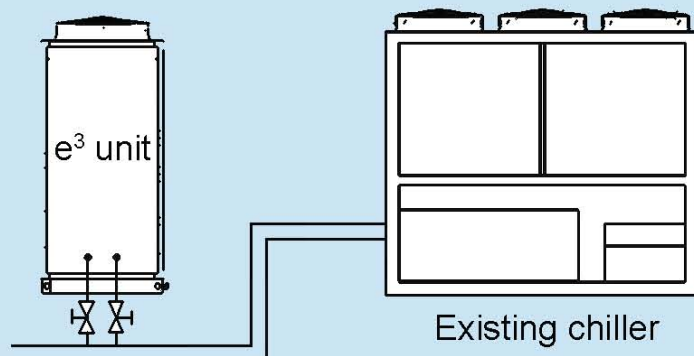
Electrics

400V / 3Ph / 50Hz supply.
Individual protection on each major component.
Single phase option available on request.

	Size 1		Size 2		Size 4		Size 6									
Length (mm)	850		850		1660		2470									
Width (mm)	850		850		850		850									
Height (mm)	1150		1920		1920		1920									
No. Fans	1		1		2		3									
Access	1000mm All Around															
No. Coils	1 Coil	2 Coil	1 Coil	2 Coil	1 Coil	2 Coil	1 Coil	2 Coil								
Conns.	1"	1"	1"	1 1/2"	1 1/2"	2"	2"	3"								
Fan Speed	SN LN	SN LN	SN LN	SN LN	SN LN	SN LN	SN LN	SN LN								
dBA @ 3m	68	59	68	59	68	59	71	62	71	62	73	64	73	64		
Power (kW)	2.3	1.1	2.3	1.1	2.3	1.1	2.3	1.1	4.7	2.3	5.2	2.8	7.0	3.5	7.5	4.0
FLA	4.7	2.3	4.7	2.3	4.7	2.3	4.7	2.3	9.5	4.7	10	5.8	14	7.0	15	7.8
Weight (kg)	150	150	160	160	170	170	190	190	300	300	350	350	330	330	400	400

Installation Instructions:

- 1) Install 2 tees into existing return line to chiller.
- 2) Add shut-off valves.
- 3) Install e³ unit (or units) as required.
- 4) Attach temperature sensor to return line after 2nd tee.
- 5) Insulate new pipework.



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