

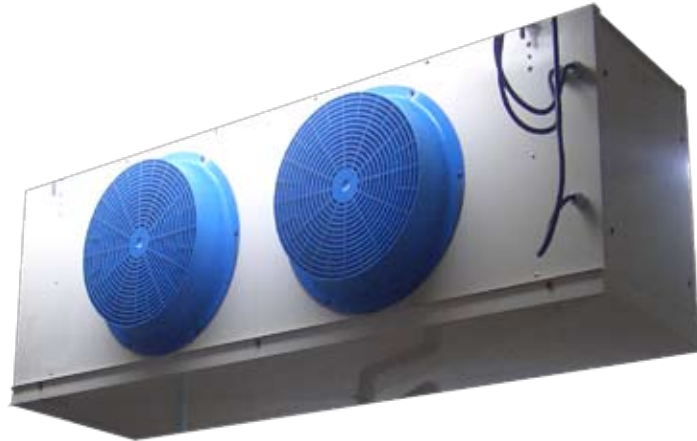


# coolenergy

TEMPERATURE RENTAL

Low Temperature Unit

10kW Fan Coil



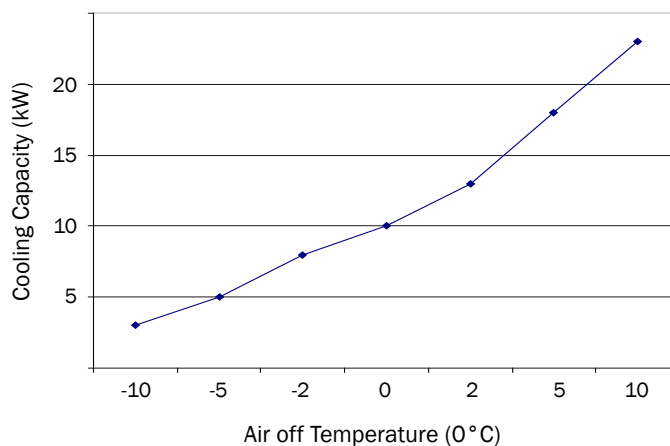
## ABOUT THE AIR HANDLER

Cool Energy's 10kW Low Temperature fan coil is a flexible twin fan unit capable of offering 6,480m<sup>3</sup>/hr airflow. The unit requires a water source to the integral coil and has quick-release water connections, together with a 16amp 3-phase power connection.

The air handler is sited internally and can be supplied with or without an independent low temperature defrost panel to offer a nominal 0°C air off temperature, capable of offering stability to a 4°C room or below.

The unit is also supplied with a condensate hose, real timer defrost control panel (to manage both coil and condensate tray heater element defrost), together with optional warehouse stands built to order.

## Derate Graph



## TECHNICAL

### Low temperature 10kW fan coil

#### Performance data @ design conditions

Cooling Capacity	kW	10
Air Off Temperature	°C	0
Air On Temperature	°C	4
Water/Glycol mix in (min 25%)	°C	-8
Water/Glycol mix out	°C	-4

#### Cooling Operating limits

Min/Max Duty	kW	5/25
Min/Max Air Off Temperature	°C	-5/20
Fluid Pressure Drop	kPa	25.9
Max Working Pressure	kPa	1,000
Evaporator Water Volume	l	12
Condensate Connection (hose tail)	mm/inches	37/ 3/4

#### Air Limits

Total Number Fans	0.4kW each	2
Fan Diameter	mm	380
Total Airflow	m <sup>3</sup> /hr	6,480
	m <sup>3</sup> /s	1.8
Max Air Throw	m	25

#### Electrical data

Electrical Supply Voltage 3 phase	V	400
Power Connections (without defrost)	A	16 C forme plug
Power Connections (with defrost)	A	16 C forme Plug
Cable Connection (35mm <sup>2</sup> per phase)		3 core + earth, no neutral
Max Power Absorbed	kW	0.8/8
Max Current Absorbed (without/with defrost)	A	1.5/12
Starting Current (Max)	A	2.75
Recommended Generator Set (without/with defrost)	kVA	0/0
Control System		Carel pCO <sup>3</sup>

#### Sound Data

Sound Pressure Level at 10 metres (ISO3744)	dB(A)	64
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#### Physical Data

	Option	No Frame	With Frame
Overall Length	mm	1,700	1,720
Overall Width	mm	604	880
Overall Height	mm	575	880
Weight Dry	kg	135	170
Weight + Water/Glycol mix	kg	147	182
Fluid Coupling Size	mm/inch	25/1	
Fluid Coupling Type	Std	1" Camlock	



#### Head Office South

ICS House, Stephenson Road, Calmore Industrial Estate, Totton, SO40 3RY  
T (+44) 23 8052 7300 F (+44) 23 8042 8366

#### Midlands

Unit 82 Plume Industrial Estate, Holburn Hill, Aston, Birmingham B6 7RT  
T (+44) 121 326 7771 F (+44) 121 327 4114

#### North

Floor 2, Caspian House, East Parade, Little Germany, Bradford BD1 5EP  
T (+44) 1274 740 877 F (+44) 1274 391 708

#### Scotland

Unit 5, 53/58 South Avenue, Blantyre Industrial Estate, Blantyre, G72 0XB  
T (+44) 1698 723308 F (+44) 1698 723309

#### Ireland

Unit 2, Kells Enterprise Centre, Cavan Road, Kells, County Meath, Ireland  
T (+353) 46 925 2934 F (+353) 46 925 2936

We also have four locations in Germany in Munich, Guglingen, Hagen and Leipzig. Further information on these locations can be found at [www.coolenergy.de](http://www.coolenergy.de)

[www.coolenergy.co.uk](http://www.coolenergy.co.uk)



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