



coolenergy

TEMPERATURE RENTAL

Low Temperature Unit

5kW Fan Coil



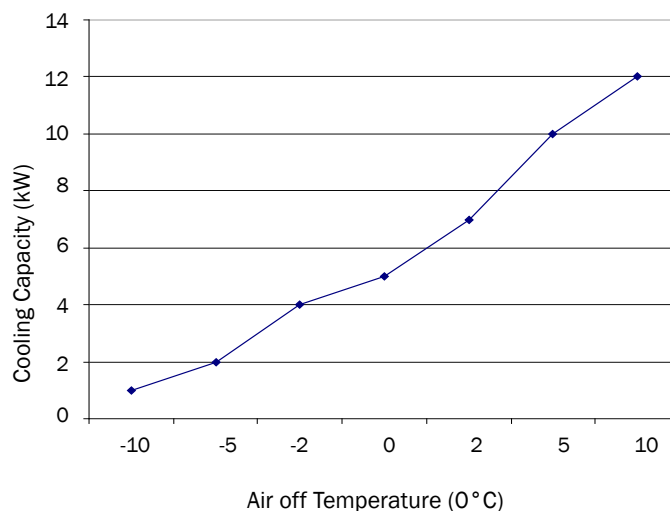
ABOUT THE AIR HANDLER

Cool Energy's 5kW Low Temperature fan coil is a flexible single fan unit capable of offering 3,240m³/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 5kW fan coil

Performance data @ design conditions

Cooling Capacity	kW	5.2
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	2/10
Min/Max Air Off Temperature	°C	-5/20
Fluid Pressure Drop	kPa	14.09
Max Working Pressure	kPa	1,000
Evaporator Water Volume	l	6
Condensate Connection (hose tail)	mm/inches	37/ ¾

Air Limits

Total Number Fans	0.4kW each	1
Fan Diameter	mm	380
Total Airflow	m ³ /hr	3,240
	m ³ /s	0.9
Max Air Throw	m	22

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 ² per phase)		3 core + earth, no neutral
Max Power Absorbed	kW	0.4/4
Max Current Absorbed (without/with defrost)	A	0.75/6
Starting Current (Max)	A	2.75
Recommended Generator Set (without/with defrost)	kVA	0/0
Control System		Carel pCO ³

Sound Data

Sound Pressure Level at 10 metres (ISO3744)	dB(A)	62
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Physical Data

	Option	No Frame	With Frame
Overall Length	mm	1,025	1,025
Overall Width	mm	604	820
Overall Height	mm	575	1,010
Weight Dry	kg	83	120
Weight + Water/Glycol mix	kg	89	126
Fluid Coupling Size	mm/inch	25/1	
Fluid Coupling Type	Std	1" Camlock	



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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



www.coolenergy.co.uk

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