



FAN COIL 25LT V3



ABOUT THE UNIT

ICS Cool Energy's Fan Coil 25 Low Temperature is a flexible single fan unit capable of offering 15,480m³/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 with 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.

CONTACT US

Call us free on
0800 840 4210 or
visit our website
www.icscoolenergy.com

Depots Nationwide

hire@icscoolenergy.com

THE ICS COOL ENERGY PORTFOLIO

ICS Cool Energy can also supply the following equipment:

- Air-cooled rental chiller range from 0.3kW – 1,000kW units.
- Water-cooled rental chiller range from 7.5kW – 1,000kW units.
- Air handling units & fan coils from 5kW – 500kW duties.
- Air conditioning units from 1.3kW – 350kW units.
- Low temperature chillers (-40°C) and fan coils (0°C air off).

- Dehumidifiers (desiccant & electric) 200-10,000m³/hr.
- Generator Power with 20KVA – 800KVA, fuel tanks and management.
- Air distribution (flexible ducting and perforated air socks).
- Hot water generators and boilers from 25kW – 500kW units.
- Heating (office/warehouse) from 3kW to 200kW electric/indirect/heat pump.

We also provide full installation, transportation, lifting and monitoring.

E&OE. All data is subject to change and continuous improvement without notice. Equipment designed to ISO 9001 and all relevant electrical, pressure and mechanical directives.

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TECHNICAL FAN COIL 25LT

PERFORMANCE DATA @ DESIGN CONDITIONS

Cooling Capacity	kW	25
Air Off Temperature	°C	0
Air On Temperature	°C	4
Water/Glycol mix in (min 35%)	°C	-8
Water/Glycol mix out	°C	+4

OPERATING LIMITS

Min/Max Air Off Temperature	°C	-20 / +10
Fluid Pressure Drop	Bar	0.73
Max. Working Pressure	Bar	16
Cool Water Volume	1	14
Condensate Connection	Hose Tail	¾"

ELECTRICAL DATA

Electrical Supply Voltage	V	400
Power Connections (without defrost)	A	16 C forme Plug
Power Connections (with defrost)	A	16 C forme Plug
Max Power Absorbed	kW	1.75 / 5.4
Max Current Absorbed (without/with defrost)	A	3.8 / 7.2

AIR LIMITS

Total Number Fans	1.75kW each	1
Total Airflow	m ³ /hr	15,485
	m ³ /s	4.3
Max Air Throw	m	30

SOUND DATA

Sound Pressure Level at 10 metres (ISO3744)	dB(A)	47
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PHYSICAL DATA

			WITH FRAME
Overall Length	mm	1606	1880
Overall Width	mm	877	1000
Overall Height	mm	1130	1630
Weight	kg	90	285
Fluid Coupling Size Bauer	inch	2"	
Drip Tray Draw Camlock	inch	1"	

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SOUND LEVELS

Measurements are taken in accordance with the standard ISO 3744.

Sound pressure average value obtained in free field on a reflective surface at a distance of 10m from the longer side of the machine at a height of 1.6m +/- 2 under full load in normal conditions.

For measurements closer than 10m add the following: 5m +6, 3m +10 and 1m +15

OCTAVE BANDS (H3)								SOUND PRESSURE	
63	125	250	500	1000	2000	4000	8000		
SOUND POWER LEVEL dB(A)								dB(A) 10m	
55.6	72.4	84.8	85.7	85.7	82.0	74.0	63.6	47.0	

Additional Services: ICS Cool Energy can provide attenuated equipment and services to help further reduce the impact of our equipment to help meet your specific site requirements.

SUB 5°C WATER APPLICATIONS

When installing a chiller and/or air handling piece of equipment, we would recommend the use of the following mix of Glycol for the systems total volume of fluid. This will protect the equipment against internal freezing and failure (e.g. 200 litre volume @ 0 °C foodsafe equals 30 litres of Glycol and 170 litres of water). Weekly checks should be made by the site maintenance engineer/manager to ensure the correct mix is present in the system.

Water Temperature			5 °C	0 °C	-5 °C	-10 °C	-15 °C
Industrial Grade	Mono Ethylene Glycol	% Mix	5	10	20	25	30
Foodsafe Grade	Mono Propylene Glycol	% Mix	10	15	20	25	30
Bio Foodsafe Grade (made from vegetable extracts)	Biodegradable Glycol	% Mix	10	15	20	25	30

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