



FEATURES

ICS Cool Energy's Air Handler 150 is a flexible single fan unit capable of offering 20,000m³/hr airflow. The unit requires a water source to the integral coil and has quick-release water connections, together with a 32amp 3-phase power connection.

The air handler can be sited internally or externally and has 4x500mm spigots available for free blowing cool air or for connecting flexible ducting to provide cool air in additional areas up to 30metres.

The unit is also supplied with a condensate pump, boxed G4 pleated filters (BS EN 779) and a variable (frequency driven) fan speed control.

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.

CONTACT

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AIR HANDLER 150

PERFORMANCE DATA @ DESIGN CONDITIONS

Cooling Capacity	kW	150
Sensible Cooling Capacity	kW	100
Air Off Temperature	°C	20
Air On Temperature	°C	25

COOLING OPERATING LIMITS

Min/Max Air Off Temperature	°C	15/30
Fluid Pressure Drop	kPa	22.6
Max Working Volume	Bar	6
Evaporator Water Volume	l	35
Condensate Connection	Camlock	1"

AIR LIMITS

Total Number Fans	11kW each	1
Ducting Connections/No.	mm	500/4
Max length of Duct	m	30
Total Airflow	m ³ /hr	20,000
	m ³ /s	5.55
Max Air Throw	m	40

ELECTRICAL DATA

Electrical Supply Voltage	V	400
Power Connections	A	32 C forme plug
Max Power Absorbed	kW	11
Max Current Absorbed	A	20
Control System (Variable fan speed)	remote	frequency driven

ELECTRICAL DATA

Sound Pressure Level at 10 metres (ISO3744) Max Air Flow	dB(A)	76
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PHYSICAL DATA

Overall Length	mm	2,610
Overall Width	mm	1,270
Overall Height	mm	2,610
Weight Dry	kg	660
Weight + Water / Glycol mix	kg	695
Fluid Coupling Size	mm/inch	50/2
Fluid Coupling Type	Std	PN16 flange/bauer

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All data is subject to change and continuous improvement without notice

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