



coolenergy

TEMPERATURE RENTAL

Air Handling Unit

350kW Rental AHU



ABOUT THE AIR HANDLER

Cool Energy's 350kW air handler is a flexible single fan unit capable of offering 40,000m³/hr airflow. The unit requires a water source to the integral coil and has quick-release water connections, together with a 63amp 3-phase power connection.

The air handler can be sited internally or externally and has 5x500mm (20") spigots available for free blowing cool air or for connecting flexible ducting to provide cool air in additional areas up to 30metres, with damper control.

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

TECHNICAL

350kW Comfort Air Handler (for heating and air conditioning)

Performance data @ design conditions

Cooling Capacity	kW	350
Sensible Cooling Capacity	kW	250
Air Off Temperature	°C	20
Air On Temperature	°C	25

Cooling Operating limits

Min/Max Duty	kW	150/350
Min/Max Air Off Temperature	°C	9/35
Fluid Pressure Drop	kPa	30
Max Working Pressure	kPa	600
Coil Water Volume	l	100
Condensate Connection (hose tail)	mm/inches	37/¾

Air Limits

Total Number Fans	8kW each	1
Ducting Connections/No.	mm	500/5
Max Length of Duct	m	30
Max External Pressure at Design	Pa	300
Total Airflow	m ³ /hr	40,000
	m ³ /s	11.1
Max Air Throw	m	40

Electrical data

Electrical Supply Voltage 1 phase	V	400
Power Connections (without defrost)	A	63 C forme plug
Cable Connections (35mm ² per phase)		4 core + earth
Max Power Absorbed	kW	6.5
Max Current Absorbed	A	21
Starting Current (Max)	A	40
Recommended Generator Set	kVA	10
Control System (variable fan speed)	remote	frequency driven

Sound Data

Sound Pressure Level at 10 metres (ISO3744) Max Air Flow	dB(A)	63
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Physical Data

Overall Length	mm	3,150
Overall Width	mm	2,450
Overall Height	mm	2,300
Weight Dry	kg	1,000
Weight + Water/Glycol mix	kg	1,100
Fluid Coupling Size	mm/inch	100/4
Fluid Coupling Type	Std	PN16 flange/bauer



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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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