



coolenergy

TEMPERATURE RENTAL

Air Handling Unit

150kW Rental AHU



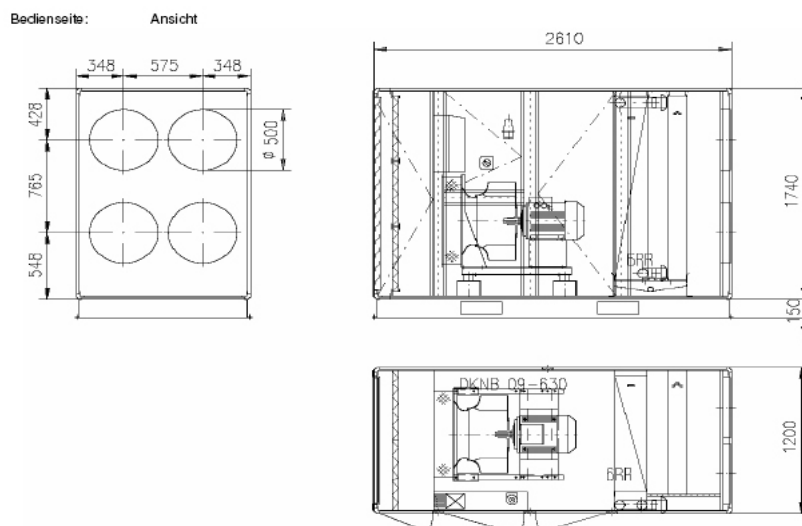
ABOUT THE AIR HANDLER

Cool Energy's 150kW air handler 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 GA pleated filters (BS EN 779) and a variable (frequency driven) fan speed control.

GA DRAWING



TECHNICAL

150kW Comfort Air Handler (for heating and air conditioning)

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 Duty	kW	120/225
Min/Max Air Off Temperature	°C	15/30
Fluid Pressure Drop	kPa	22.6
Max Working Pressure	kPa	1,000
Evaporator Water Volume	l	35
Condensate Connection (hose tail)	mm/inches	37/¾

Air Limits

Total Number Fans	0.4kW each	1
Ducting Connections/No.	mm	500/4
Max Length of Duct	m	30
Max External Pressure at Design	Pa	300
Total Airflow	m³/hr	20,000
	m³/s	5.55
Max Air Throw	m	40

Electrical data

Electrical Supply Voltage 1 phase	V	400
Power Connections (without defrost)	A	32 C forme plug
Cable Connections (35mm ² per phase)		3 core + earth, no neutral
Max Power Absorbed	kW	2.4
Max Current Absorbed	A	11
Starting Current (Max)	A	21.4
Recommended Generator Set	kVA	5
Control System (variable fan speed)	remote	frequency driven

Sound 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	2,000
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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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



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www.coolenergy.co.uk

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