



coolenergy

TEMPERATURE RENTAL

Air Handling Unit

25kW Rental AHU



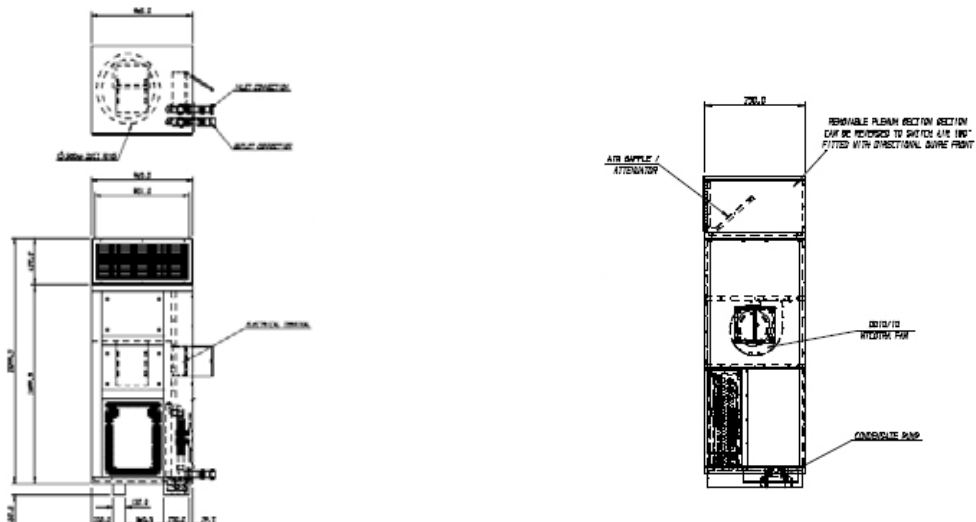
ABOUT THE AIR HANDLER

Cool Energy's 25kW Air Handling Unit is a flexible single fan unit capable of offering 2,800m³/hr air flow. The unit requires a water source to the intergral coil and has quick release water connections, together with a 16amp single phase power connection.

The air handler is sited internally and has a removable air discharge plenum at the top. This can be removed to reveal a 500mm spigot to connect flexible ducting to provide air off the unit to specific and remote areas.

The unit is also supplied with a condensate pump and fan speed control to regulate the airflow.

GA DRAWING



TECHNICAL

25kW Comfort Air Handler (for heating and air conditioning)

Performance data @ design conditions

Cooling Capacity	kW	25
Sensible Cooling Capacity	kW	17.5
Air Off Temperature	°C	20
Air On Temperature	°C	25

Cooling Operating limits

Min/Max Duty	kW	15/40
Min/Max Air Off Temperature	°C	12/30
Fluid Pressure Drop	kPa	36
Max Working Pressure	kPa	1,000
Evaporator Water Volume	l	20
Condensate (pump included)		yes

Air Limits

Total Number Fans	1.2kW each	1
Optional Spigot Connection (1)	mm	500
Total Airflow	m ³ /hr	2,800
	m ³ /s	0.78
Max Length of Duct	m	15
Max External Pressure at Design	Pa	200
Max Air Throw	m	12
Control System (variable fan speed)	r.p.m	500/1,210

Electrical data

Electrical Supply Voltage 1 phase	V	240
Max Power Absorbed	kW	4
Max Current Absorbed	A	6
Starting Current (Max)	A	10
Recommended Generator Set	kVA	N/A

Sound Data

Sound Pressure Level at 10 metres (ISO3744) Max Air Flow	dB(A)	64
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Physical Data

Overall Length	mm	1,200
Overall Width	mm	750
Overall Height	mm	2,100
Height Without Plenum	mm	1,700
Weight Dry	kg	380
Weight + Water/Glycol mix	kg	400
Fluid Coupling Size	mm/inch	52/2
Fluid Coupling Type (Alternative)	Std	2" 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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