



# coolenergy

TEMPERATURE RENTAL

Air Handling Unit

50kW



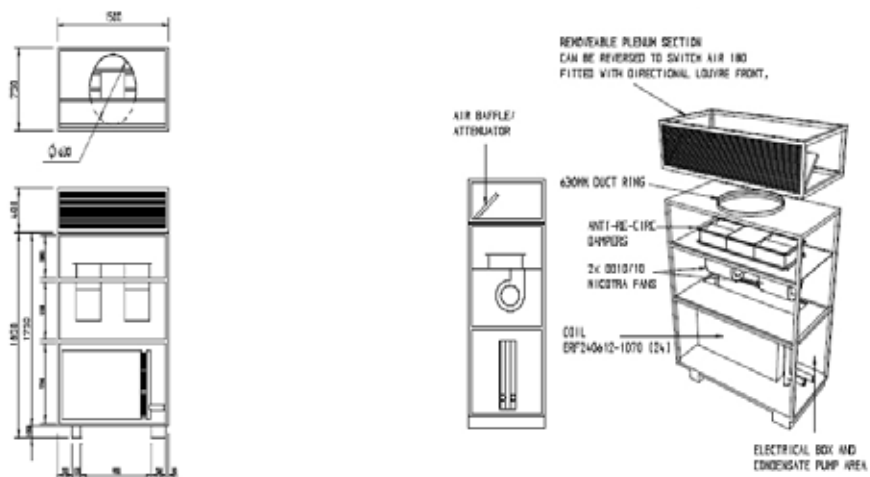
## ABOUT THE AIR HANDLER

Cool Energy's 50kW Air Handling Unit is a flexible twin fan unit capable of offering 5,040m<sup>3</sup>/hr air flow. The unit requires a water source to the integral coil and has quick-release water connections, together with a 16amp single power connection.

The air handler is sited internally and has a removable air discharge at the top. This can be removed to reveal a 600mm 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 controller to regulate the air flow.

## GA DRAWING



## TECHNICAL

### 50kW Comfort Air Handler (for heating and air conditioning)

#### Performance data @ design conditions

Cooling Capacity	kW	50
Sensible Cooling Capacity	kW	35
Air Off Temperature	°C	20

#### Cooling Operating limits

Min/Max Duty	kW	30/75
Min/Max Air Off Temperature	°C	12/30
Fluid Pressure Drop	kPa	36
Max Working Pressure	kPa	1,000
Evaporator Water Volume	l	25
Condensate (pump included)		yes

#### Air Limits

Total Number Fans	1.2kW each	2
Optional Spiggot Connection (1)	mm	630
Total Airflow	m <sup>3</sup> /hr	5,040
	m <sup>3</sup> /s	1.4
Max Length of Duct	m	15
Max External Pressure at Design	Pa	200
Max Air Throw	m	15
Control System (variable fan speed)	r.p.m	500/1,210

#### Electrical data

Electrical Supply Voltage 1 phase	V	240
Power Connections	A	16 C forme plug
Max Power Absorbed	kW	7.0
Max Current Absorbed	A	10
Starting Current (Max)	A	14
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	1,500
Overall Width	mm	750
Overall Height	mm	2,250
Hight Without Plenum	mm	1,850
Weight Dry	kg	600
Weight + Water/Glycol mix	kg	625
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](http://www.coolenergy.de)

[www.coolenergy.co.uk](http://www.coolenergy.co.uk)



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