



# 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 40,000m<sup>3</sup>/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	m³/hr	40,000
	m³/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 <sup>2</sup> 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
--	-------	----

#### 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

#### Head Office South

ICS House, Stephenson Road, Calmore Industrial Estate, Totton, SO40 3RY  
T (+44) 23 8052 7300 F (+44) 23 8042 8366

#### Midlands

Unit 82 Plume Industrial Estate, Holburn Hill, Aston, Birmingham B6 7RT  
T (+44) 121 326 7771 F (+44) 121 327 4114

#### North

Floor 2, Caspian House, East Parade, Little Germany, Bradford BD1 5EP  
T (+44) 1274 740 877 F (+44) 1274 391 708

#### Scotland

Unit 5, 53/58 South Avenue, Blantyre Industrial Estate, Blantyre, G72 0XB  
T (+44) 1698 723308 F (+44) 1698 723309

#### Ireland

Unit 2, Kells Enterprise Centre, Cavan Road, Kells, County Meath, Ireland  
T (+353) 46 925 2934 F (+353) 46 925 2936

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)



**coolenergy**

TEMPERATURE RENTAL

Equipment designed to ISO-9001 and all relevant directives. Product improvement is a continual process at Cool Energy and we reserve the right to change the design and specifications without notice or obligation. Availability is subject to change without notice. Contact your local Cool Energy depot for availability. © 2010 Cool Energy. All rights reserved.