

# NR-AHU50 Air Handling Unit

NR-AHU50

## Product Overview

- Versatile** - floor standing vertical air handling unit suited to a range of different applications
- Compact dimensions** - with a footprint of just 1.4 m<sup>3</sup> these products are ideal when space is at a premium
- Automatic control** - inverter driven EC fan coupled with advanced controller allows multiple operating modes while temperature & humidity sensors are also provided
- Cooling or heating** - the heat transfer coil can utilise either cold or hot water supplies to provide either cooling or heating respectively
- Integral condensate pump** - operation is fully automatic with no user maintenance required



## Performance Data

Nominal Cooling Capacity - Total (1)	69.0 kW
Nominal Cooling Capacity - Sensible (1)	33.2 kW
Nominal Heating Capacity (2)	134 kW
Nominal Air Flow Rate	5,040 m <sup>3</sup> /hr
Nominal ESP @ Design Air Flow Rate	250 Pa

### Operating Limits

Maximum Air Flow Rate	6,150 m <sup>3</sup> /hr
Maximum Fluid Inlet Temperature (Coil)	90 °C
Maximum Working Pressure (Coil)	10 bar

### Electrical Data

Power Supply	400/3/50 V/ph/Hz
Power Connections	16 A 5 Pin Plug

### Hydraulic Circuit

Nominal Cooling Fluid Flow Rate (1)	11.9 m <sup>3</sup> /hr
Internal Volume	25 Litres
Connections	2"

### Spigot Connections (optional)

Air Inlet	4 x 300 mm Ø
Air Outlet	4 x 300 mm Ø

### Filtration

Grade	G4
-------	----

### Physical Data

Length (3)	1,847 mm
Width (3)	1,008 mm
Height (3)	2,306 mm
Operating Weight (3)	500 kg

(1) Performance data based on operating conditions of +7°C cooling fluid inlet temperature / +12°C cooling fluid outlet temperature / +30°C air inlet temperature / 60% R.H. air inlet humidity / 5,040 m<sup>3</sup>/hr nominal air flow rate

(2) Performance data based on operating conditions of +80°C heating fluid inlet temperature / +60°C heating fluid outlet temperature / -5°C air inlet temperature / 5,040 m<sup>3</sup>/hr nominal air flow rate

(3) Dimensions / weights include crash frame

## Still have a question?

Get in touch with one of our expert team today.

- ☎ 01422 371711
- ✉ sales@newsome.ltd.uk
- 🌐 www.newsome.ltd.uk

