

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 m³ 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 ³ /hr
Nominal ESP @ Design Air Flow Rate	250 Pa

Operating Limits

Maximum Air Flow Rate	6,150 m ³ /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 ³ /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
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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 m³/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 m³/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.

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