

NR-AHU150 Air Handling Unit

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Product Overview

Robust design – industrial air handling unit designed for external siting suited to a range of different applications

Automatic control – inverter driven EC fan coupled with advanced controller allows multiple operating modes while temperature & humidity sensors are also provided

Independent cooling & heating – separate heat transfer coils can utilise both cold / hot water supplies - to provide simultaneous cooling / heating for total temperature & humidity control

Integral condensate pump – operation is fully automatic with no user maintenance required



Performance Data

Nominal Cooling Capacity - Total (1)	205 kW
Nominal Cooling Capacity - Sensible (1)	98.8 kW
Nominal Heating Capacity (2)	164 kW
Nominal Air Flow Rate	15,000 m ³ /hr
Nominal ESP @ Design Air Flow Rate	300 Pa

Operating Limits

Maximum Air Flow Rate	20,400 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	32 A 5 Pin Plug

Hydraulic Circuit - Cooling Coil

Nominal Cooling Fluid Flow Rate (1)	35.3 m ³ /hr
Internal Volume	60 Litres
Connections	3"

Hydraulic Circuit - Heating Coil

Nominal Cooling Fluid Flow Rate (2)	7.06 m ³ /hr
Internal Volume	16 Litres
Connections	1 1/2"

Spigot Connections (optional)

Air Inlet (option) Weather Louvre	4 x 500 mm Ø
Air Outlet	4 x 500 mm Ø

Filtration

Grade	G4 + F7
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Physical Data

Length (3)	3,760 mm
Width (3)	1,741 mm
Height (3)	1,649 mm
Operating Weight (3)	1,250 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 / 15,000 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 / 15,000 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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