

# NR-AHU150 Air Handling Unit

NR-AHU150

## 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 <sup>3</sup> /hr |
| Nominal ESP @ Design Air Flow Rate      | 300 Pa                    |

### Operating Limits

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

### Hydraulic Circuit - Cooling Coil

|                                     |                         |
|-------------------------------------|-------------------------|
| Nominal Cooling Fluid Flow Rate (1) | 35.3 m <sup>3</sup> /hr |
| Internal Volume                     | 60 Litres               |
| Connections                         | 3"                      |

### Hydraulic Circuit - Heating Coil

|                                     |                         |
|-------------------------------------|-------------------------|
| Nominal Cooling Fluid Flow Rate (2) | 7.06 m <sup>3</sup> /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 |
|-------|---------|

### 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 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 / 15,000 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.

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