



NØRDIS Ultima Mono for Commercial Use

AIR-TO-WATER HEAT PUMPS



A+++

Low Energy Consumption

High energy efficiency, achieving A+++ energy rating

R290

Eco-friendly R290 refrigerant

It is non-depleting of the ozone layer and has an extremely low global warming potential (GWP 3)

75°C

High water temperature

Supplied water temperature up to 75°C

-25°C

Lowest ambient temperature

It operates in heating mode with outdoor temperatures as low as -25°C.



Smart control

Integrated Wi-Fi module for control via a smart device.



Cascade operation

One control panel manages up to 10 units in a single cascade system.

Due to its power and wide range of applications, the NØRDIS Ultima commercial series ensures comfortable heating, cooling, and domestic hot water supply even in the largest commercial projects – hotels, offices, factories, and other industrial sectors. The optimized cascade system allows the NØRDIS Ultima series to adapt to a variety of needs.

When designing the NØRDIS Ultima, safety is just as important as comfort. The advanced safety control system ensures efficient and secure enjoyment of continuous comfort.

NØRDIS representatives:



R290 vs R32

99,6 %

Less Carbon Emissions with R290

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TECHNICAL DATA

Outdoor unit components

1. EC fan motor
2. High-quality heat exchanger
3. Electronic expansion valve
4. Control system
5. Stable and efficient DC inverter compressor



| Model | | | | HLT40MONO-3 | |
|--|---|--|----------------------|-------------|----------------|
| Seasonal Energy-(Accordingto EN14825) | | | | | |
| ErP | Energy Class- Heating (35°C/55°C) | | | A+++/A++ | |
| | SCOP (35°C/55°C) | | W/W | 4.87/3.72 | |
| | Rated Heat Output (Prated) (35°C/55°C) | | kW | 29/28 | |
| | Seasonal Space Heating Efficiency (35°C/55°C) | | % | 191/146 | |
| | Annual Energy Consumption (35°C/55°C) | | kWh | 12166/15641 | |
| | Sound Power Level (Indoor/Outdoor) | | dB(A) | -/65* | |
| Nominal Capacity and Nominal Input | | | | | |
| Nominal heating | Heating Capacity Min./Max. | | A7/W35 | kW | 13.5/39.6 |
| | Heating Power Input Min./Max. | | | kW | 3.18/11.3 |
| | C.O.P | | | W/W | 3.51/4.42 |
| | Heating Capacity Min./Max. | | A7/W45 | kW | 13.5/38.2 |
| | Heating Power Input Min./Max. | | | kW | 3.5/12.3 |
| | C.O.P | | | W/W | 3.09/3.83 |
| Nominal cooling | Cooling Capacity Min./Max. | | A35/W18 | kW | 13.4/36.2 |
| | Cooling Power Input Min./Max. | | | kW | 2.88/9.87 |
| | E.E.R | | | W/W | 3.66/4.92 |
| | Cooling Capacity Min./Max. | | A35/W7 | kW | 6.4/25.8 |
| | Cooling Power Input Min./Max. | | | kW | 2.87/9.38 |
| | E.E.R | | | W/W | 2.23/2.75 |
| General Info | | | | | |
| Power supply | | | V/Hz/Ph | 380/50/3 | |
| Operation limits | Ambient Temperature Range | | °C | -25 ~ +43 | |
| | Heating Water Temperature Range Max./Min. | | °C | 75/20 | |
| | Cooling Water Temperature Range Max./Min. | | °C | 25/7 | |
| Refrigerant side | Refrigerant | | Type/ Amount | -/kg | R290 / 4.2 |
| | Compressor | | Type/ Amount | Scroll / 1 | |
| | Four-Way Valve + EEV | | | Sanhua | |
| | Fan | | Quantity | | 1 |
| | | | Airflow | m³/h | 12500 |
| | | | Rated power | W | 1100 |
| Water Side | Type of Heat Exchanger | | Plate Heat Exchanger | | |
| | Water Pressure Drop | | kPa | 140 | |
| | Piping Connection | | Inch | G2" | |
| | Allowable Water Flow-Min./Rated./Max. | | l/s | 1.3/19/2.5 | |
| Dimensions | Net Dimension (L x D x H) | | Indoor unit | mm | 380x135x480 |
| | | | Outdoor unit | mm | 1050x1170x1690 |
| | Net Weight | | Indoor unit | kg | 10 |
| | | | Outdoor unit | kg | 348 |
| The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit. *In low-temperature systems. In medium-temperature systems – 71 dB. | | | | | |