



NØRDIS Ultima Mono for Commercial Use

AIR-TO-WATER HEAT PUMPS

Features

- Energy efficiency class A+++;
- Eco-friendly refrigerant R290;
- Supply water temperature up to 75°C;
- Operates in heating mode at outdoor temperatures down to -25°C;
- Unique, easy-to-use LCD screen;
- Smart grid function integrated.

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.

Smart control

Integrated Wi-Fi module for smartphone control.

Low consumption

High energy efficiency reaches the A+++ energy level.

High water temperature.

Supplied water temperature up to 75 °C.

Cascade operation

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

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

TECHNICAL DATA

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 pressure level 1m (Indoor / Outdoor) *		dB(A)	- / 54	
	Sound Power Level (Indoor / Outdoor)**		dB(A)	-/65*	
Nominal Capacity and Nominal Input					
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
Cooling	Cooling Capacity Min./Max.		A35/Wi8	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	1.3/1.9/2.5	
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.
* - low-temperature applications
** - In low-temperature systems. In medium-temperature systems - 71 dB.