



Meet NØRDIS Ultima Eco

SUSTAINABLE COMFORT WITHIN REACH



R290

A+++



Outstanding Performance

Powered by advanced inverter technology and natural R290 refrigerant, NØRDIS Ultima Eco delivers high efficiency and reliable year-round performance. Intelligent capacity control optimizes energy use while maintaining maximum comfort.



Maximum Supplied Water Temperature

With leaving water temperatures of up to 75°C, NØRDIS Ultima Eco is suitable for both underfloor heating systems and traditional radiators. This makes it an ideal solution for new-build homes as well as renovation projects.



Super Quiet

Advanced super quiet technology combines an optimized fan, vibration reduction components and acoustic insulation materials to minimize operating noise. The result is quiet and comfortable performance, day and night.



Anti-freeze Logic

The intelligent anti-freeze protection system continuously monitors water temperature and automatically activates protective functions when needed. This helps protect the hydraulic circuit and ensures reliable operation during cold weather conditions.

Lower Energy Costs

Optimized performance helps reduce energy consumption year-round.

Natural R290 Refrigerant

Future-ready technology with low environmental impact.

Minimalistic Design

Clean lines, concealed fan design and black finish blend naturally into modern architecture.



Smart Control

Built-in WiFi connectivity and the intuitive mobile application allow you to monitor and control your heat pump remotely. Adjust temperatures, schedules and operating modes anytime, from anywhere.



Modbus BMS

NØRDIS Ultima Eco heat pumps Modbus communication protocol is standard function for BMS integration, clients can use their own control system to integrate heat pumps to realize the remote monitor and control.

R290

R290
Refrigerant

A+++

A+++
Energy Class



Operation
down to -25°C



Wi-Fi



Cascade
Operation



Weekly
Timer



Built-in
Multi-
Languages

Technical specifications

Model name			4 kW	7 kW	9 kW
Power supply			220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Heating ¹	Capacity	kW	4	7	9,1
	Rated input	kW	0,79	1,48	1,9
	COP		5,05	4,88	4,9
Heating ²	Capacity	kW	4	7,1	9
	Rated input	kW	1,08	1,92	2,43
	COP		3,7	3,68	3,7
Heating ³	Capacity	kW	4	7	9,2
	Rated input	kW	1,31	2,33	2,97
	COP		3,05	3	3,1
Cooling ⁴	Capacity	kW	4	7,1	9,1
	Rated input	kW	0,89	1,46	2
	EER		4,5	4,86	4,3
Cooling ⁵	Capacity	kW	3,9	6,8	8,7
	Rated input	kW	1,26	1,94	2,9
	EER		3,1	3,4	3
Seasonal space heating energy efficiency class	LWT at 35°C		A+++	A+++	A+++
	LWT at 55°C		A+++	A+++	A+++
SCOP	LWT at 35°C		5,07	5,21	4,69
	LWT at 55°C		3,83	3,84	3,83
SEER	LWT at 18°C		7,83	9,28	8,31
	LWT at 7°C		5,28	5,98	5,39
Water pressure drop		kPa	25	39	38
Refrigerant system pressure (Max./Min.)		MPa	3.5 / 0.3	3.5 / 0.3	3.5 / 0.3
Refrigerant	Type		R290	R290	R290
	Charged	kg	0,61	0,83	1
Compressor	Type		Twin rotary DC inverter	Twin rotary DC inverter	Twin rotary DC inverter
	Brand		HIGHLY	Mitsubishi	HIGHLY
	Quantity		1	1	1
Outdoor fan	Motor type		Brushless DC motor	Brushless DC motor	Brushless DC motor
	Number of fans		1	1	1
Air side heat exchanger	Material		Hydrophilic aluminum & Inner groove copper tube	Hydrophilic aluminum & Inner groove copper tube	Hydrophilic aluminum & Inner groove copper tube
	Rows		2	2	3
	Tube size	mm	Ø7	Ø7	Ø7
Fan motor	Fan type		3 blade	3 blade	3 blade
	Motor type		BLDC	BLDC	BLDC
	Motor Brand		Panasonic	Panasonic	Panasonic
	Quantity		1	1	1
	Speed	rpm	600	600	600
Throttle type			Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Water side heat-exchanger			Plate heat exchanger	Plate heat exchanger	Plate heat exchanger
Sound power level ⁶		dB	53	54	56
Sound power level ⁷		dB	48	52	54
Controller (Standard: LCD)			TFT, 4,7 inch, Wi-Fi Ready	TFT, 4,7 inch, Wi-Fi Ready	TFT, 4,7 inch, Wi-Fi Ready
Water resistance			IPX4	IPX4	IPX4
Water pipe connection	Inlet	mm	Ø33	Ø33	Ø33
	Outlet	mm	Ø33	Ø33	Ø33
Net/Gross weight	Net/Gross	kg	101/116	122/137	134/149
Dimension (L×W×H)	Net	mm	1155×422×803	1223×461×854	1223×461×854
	Packing	mm	1260×488×982	1285×495×1040	1285×495×1040
Operating temperature	Cooling	°C	-5 to 43	-5 to 43	-5 to 43
	Heating	°C	-25 to 35	-25 to 35	-25 to 35
	DHW	°C	-25 to 43	-25 to 43	-25 to 43

Note:

1. Outdoor air temperature 7°C DB, 85% R.H ; EWT 30°C,LWT 35°C

2. Outdoor air temperature 7°C DB, 85% R.H ; EWT 40°C,LWT 45°C

3. Outdoor air temperature 7°C DB, 85% R.H ; EWT 47°C,LWT 55°C

4. Outdoor air temperature 35°C DB, 85% R.H ; EWT 23°C,LWT 18°C

5. Outdoor air temperature 35°C DB, 85% R.H ; EWT 12°C,LWT 7°C

6. Test standard:EN12102-1 Full Load

7. Test standard:EN12102-1 Partial Load