

Ultima

SERIES

An efficient solution for controlling your home's climate, providing heating, cooling, and hot water supply, while allowing you to choose a more eco friendly lifestyle and reduce energy consumption. The advanced Ultima heat pump technology delivers unmatched performance, supplying hot water at temperatures up to 75°C, making it an ideal choice for both newly built and renovated properties.

R290 99.6% lower carbon dioxide emissions compared to R32.



FEATURES

ENERGY EFFICIENCY

Inverter technology provides the highest A+++ energy rating.

ECO-FRIENDLY R290 REFRIGERANT

It has zero ozone depletion potential and an extremely low global warming potential (GWP 3).

SG-READY

The control technology can respond to external control signals from the network.

SMART CONTROL

A 7-inch easy-to-use color touchscreen supports advanced features.

SILENT MODE

Quiet operation guarantees a peaceful environment and quality sleep.

TIMER SETTING

It operates automatically based on usage habits.

VACATION MODE

It operates in heating mode and/or DHW mode, maintaining a minimum water temperature.

CONTROL OF ELECTRIC HEATERS

Smart and economical two-stage electric heater control.

REAL-TIME COP

View energy consumption and COP values in real-time.

SMART DEFROSTING

The algorithms take into account the ambient temperature, heat exchanger temperature, and defrosting time.

HEATING/COOLING CURVES

For economical operation.

HOT WATER MAINTENANCE

Timer and priority hot water control with a disinfection function.

MODBUS

Seamless integration with Building Management Systems (BMS) for smart buildings.

VARIOUS CONFIGURATIONS

Power range from 6 to 16 kW, suitable for both renovated and large new buildings.

NØRDIS Ultima Mono Split

AIR-TO-WATER HEAT PUMPS



R290 | WiFi | A+++

Outdoor Unit Model				HLT6MONO-S	HLT9MONO-S	HLT12MONO-S	HLT16MONO-3S
Compatible Indoor Units without DHW Tank				HLT-9-3S			HLT-12-3S
Compatible Indoor Units with DHW Tank				HLT-9-250-3S			HLT-12-250-3S
Seasonal Energy (According to EN14825)							
ErP	Energy Class-Heating (35°C / 55°C)			A+++ / A++			
	SCOP (35°C / 55°C)		W/W	4,81/3,59	4,85/3,65	4,76/3,56	4,74/3,50
	Rated Heat Output (Prated) (35°C / 55°C)		kW	4,91/4,55	6,93/6,40	8,97/8,21	12,55/11,01
	Seasonal Space Heating Efficiency (35°C / 55°C)		%	189,3/140,6	190,9/143,1	187,5/139,4	186,5/136,9
	Annual Energy Consumption (35°C / 55°C)		kWh	2111/2616	2953/3622	3889/4766	5475/6505
	Sound Pressure Level 1m (Indoor / Outdoor) *		dB (A)	19/40	20/39	21/41	23/40
	Sound Power Level (Indoor / Outdoor) *		dB (A)	33/54	33/54	34/56	37/56
Nominal Capacity and Nominal Input							
Heating	Heating Capacity Min./Max.	A7/W35	kW	2,56/6,76	3,76/9,52	5,21/12,0	6,83/16,6
	Heating Power Input Min./Max.		kW	0,58/1,52	0,68/2,04	0,99/3,06	1,27/4,18
	C.O.P Max.		W/W	4,83	5,57	5,31	5,38
	Heating Capacity Min./Max.	A7/W45	kW	2,42/6,57	3,00/9,09	4,38/11,7	6,17/15,5
	Heating Power Input Min./Max.		kW	0,67/1,82	0,86/2,40	1,11/3,55	1,58/4,76
	C.O.P Max.		W/W	3,86	4,03	3,94	3,90
Cooling	Cooling Capacity Min./Max.	A35/W18	kW	2,02/5,43	2,39/7,83	3,47/10,1	5,77/12,4
	Cooling Power Input Min./Max.		kW	0,51/1,31	0,57/2,08	0,94/2,97	1,23/3,70
	E.E.R Max.		W/W	4,23	4,35	3,93	4,69
	Cooling Capacity Min./Max.	A35/W7	kW	1,27/3,71	1,83/5,61	2,16/7,19	4,05/10,1
	Cooling Power Input Min./Max.		kW	0,52/1,30	0,62/2,00	0,97/2,76	1,26/3,55
	E.E.R Max.		W/W	2,95	2,99	2,64	3,22

* - low-temperature applications
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.

Features

- Energy efficiency class A+++/A++
- Eco-friendly refrigerant R290
- Flow water temperature up to 75 °C
- Operates in heating mode with outdoor temperatures down to -25 °C
- Extremely quiet
- Built-in smart network function

Outdoor Unit Model				HLT6MONO-S	HLT9MONO-S	HLT12MONO-S	HLT16MONO-3S
Power Supply			V/Ph/Hz	220-240~/1/50			380-415~/3/50
Circuit Breaker			A	C16		C25	C16
Power Cable*			mm²	3x2,5		3x4,0	5x2,5
Operation limits	Ambient Temperature Range		°C	-25 ~ 43			
	Heating Water Temperature Range		°C	20 ~ 75			
	Cooling Water Temperature Range		°C	7 ~ 25			
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290 / 0,6	R290 /0,7	R290 / 0,9	R290 / 1,5
	Rotary Compressor	Quantity		1			
	Four-way valve + EEV			Sanhua			
	Fan	Quantity		1			2
		Airflow	m³/h	3150		3300	6300
		Rated Power	W	62			124
Water Side	Plate Heat Exchanger	Quantity		1			
	Water Pressure Drop		kPa	23			
	Piping Connection		Inch	G1"			G1-1/4"
Dimensions	Net Dimensions (W x D x H)		mm	1255x440x885		1255x440x985	1140x460x1490
	Net Weight		kg	98	109	120	164

*The selection of power supply cable cross-sectional areas shall comply with local electrical safety requirements.
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Efficient operation with outdoor temperatures dropping to **-25°C**



Maximum prepared water temperature **75°C**

NØRDIS Ultima Mono Split

INDOOR UNITS WITHOUT INTEGRATED DHW TANK



R290 WiFi A+++

Indoor Unit Model			HLT-9-3S			HLT-12-3S
Compatible Outdoor Units			HLT6MONO-S	HLT9MONO-S	HLT12MONO-S	HLT16MONO-3S
Power Supply		V/Ph/Hz	380-415~/3/50			
Circuit Breaker		A	C16			
Power Cable*		mm^2	5x2,5			
Backup Heater		kW	9 (3+6)			
3-way Diverting Valve			LK Systems			
Water Flow Meter			Vortex			
Circulation Pump (Head, m)			Grundfos (9)			Grundfos (12)
Water Side	Piping Connection	Inch	G1"			G1-1/4"
	Allowable Water Flow - Min./Rated/ Max.	l/s	0,20/0,29/0,37	0,27/0,38/0,50	0,40/0,57/0,75	0,50/0,72/0,93
		l/min	12/17,4/22,2	16,2/22,8/30	24/34,2/45	30/43,2/55,8
		m^3/h	0,72/1,04/1,33	0,97/1,37/1,8	1,44/2,05/2,7	1,8/2,59/3,35
Dimensions	Net Dimensions (L x D x H)	mm	550x260x650			
	Net Weight	kg	34			

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Features

- Innovative 7'' touch-sensitive control panel
- Integrated Wi-Fi and 4G module for device control via smartphone
- Electronic circulation pump
- Implemented temperature curves for device control based on outdoor temperature
- Hot water disinfection function
- Integrated auxiliary electric water heater

Indoor Unit Structure

By opening the front panel mounted on hinges and the control automation door, the hydraulic system is easily accessible. This ensures convenient access to any component of the hydraulic and control system.





NØRDIS Ultima Mono Split

AIR-TO-WATER HEAT PUMPS WITH DHW TANK



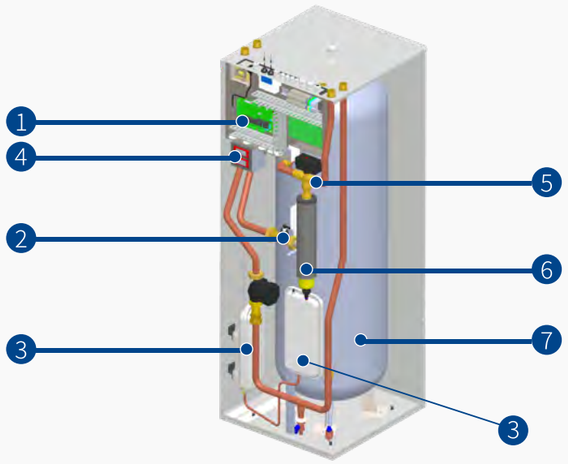
R290 | WiFi | A+++

The latest “all-in-one” system is a monoblock design that maximizes installation simplicity and space efficiency, making the system more convenient to use.

Features

- Innovative 7’’ touch-sensitive control panel
- Integrated Wi-Fi and 4G module for device control via smartphone
- Electronic circulation pump
- Implemented temperature curves for device control based on outdoor temperature
- Hot water disinfection function
- Integrated 250 L stainless steel DHW tank

Indoor Unit Structure



1. Control unit
2. Water flow meter
3. 2 x 5 L expansion vessels
4. Digital thermostats
5. Three-way valve
6. 9 kW electric heater
7. 250 L hot water tank

Indoor Unit Models			HLT-9-250-3S			HLT-12-250-3S
Compatible Outdoor Units			HLT6MONO-S	HLT9MONO-S	HLT12MONO-S	HLT16MONO-3S
Power Supply		V/Ph/Hz	380-415~/3/50			
Circuit Breaker		A	16			
Power Cable*		mm^2	5x2,5			
Backup Heater		kW	9 (3+6)			
3-way Diverting Valve			LK Systems			
DHW tank	Volume	l	250			
	Material		Duplex 2205 SS			
Water Flow Meter			Vortex			
Circulation Pump (Head, m)			Grundfos (9)			Grundfos (12)
Water Side	Piping Connection	Inch	G1"			G1-1/4"
	Allowable Water Flow - Min./Rated/ Max.	l/s	0,20/0,29/0,37	0,27/0,38/0,50	0,40/0,57/0,75	0,50/0,72/0,93
		l/min	12/17,4/22,2	16,2/22,8/30	24/34,2/45	30/43,2/55,8
		m^3/h	0,72/1,04/1,33	0,97/1,37/1,8	1,44/2,05/2,7	1,8/2,59/3,35
Dimensions	Net Dimensions (L x D x H)	mm	600x710x1720			
	Net Weight	kg	115			

*The selection of power supply cable cross-sectional areas shall comply with local electrical safety requirements.
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