

Ultima 2

SERIES

Ultima 2 – at the peak of efficiency

NØRDIS Ultima 2 is a next-generation air-to-water heat pump designed to deliver outstanding efficiency, reliability, and modern aesthetics. Built to meet the highest energy performance standards, the Ultima 2 series achieves an impressive A+++/A+++ energy efficiency class, ensuring maximum comfort with minimal energy consumption and reduced environmental impact.



FEATURES

ENERGY EFFICIENCY CLASS

A+++/ A+++

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

ECO-FRIENDLY R290 REFRIGERANT

R290

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

NEW DESIGN

A refreshed, modern appearance – the outdoor unit design seamlessly matches the style of the indoor units.

SMART CONTROL

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

SG-READY

SG Ready

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

TIMER SETTING

It operates automatically based on usage habits.

SILENT MODE

Quiet operation guarantees a peaceful environment and quality sleep.

CONTROL OF ELECTRIC HEATERS

Smart and economical two-stage electric heater control.

VACATION MODE

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

SMART DEFROSTING

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

REAL-TIME COP

View energy consumption and COP values in real-time.

HOT WATER MAINTENANCE

Timer and priority hot water control with a disinfection function.

HEATING/COOLING CURVES

For economical operation.

WIDE RANGE OF UNITS

Wide range of indoor and outdoor units

CASCADE OPERATION

One control panel manages up to 15 units in a single cascade system.

UPS

UPS

Dedicated UPS terminals

MODBUS

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

KEYMARK CERTIFIED

Supports the quality and performance of heat pumps on the European market

NØRDIS Ultima 2 Mono Split

OUTDOOR UNITS FOR RESIDENTIAL USE



R290 | WiFi | A+++

Features

- Energy efficiency class A+++/A+++
- Eco-friendly refrigerant R290
- Flow water temperature up to 75 °C
- Built-in water flow meter
- Operates in heating mode with outdoor temperatures down to -25 °C
- Built-in electronic circulation pump
- Expanded range for greater flexibility
- Flexible cascading solutions
- Advanced components, enhanced reliability
- Up to 15 units in a single cascade system





Outdoor Unit Model				HLT206 MONO1S	HLT209 MONO1S	HLT212 MONO1S	HLT212 MONO3S	HLT216 MONO1S	HLT216 MONO3S	HLT220 MONO3S
Compatible Indoor Unit without DHW Tank				HLT293S						
Compatible Indoor Unit with DHW and Buffer Tanks				HLT293S/200B50				-		
Compatible Indoor Unit with DHW Tank				HLT293S/250						
Compatible Indoor Control Unit (for cascade system)				HLT Control Box						
Seasonal Energy (According to EN14511:2022)										
ErP	Energy Class-Heating (35°C / 55°C)			A+++ / A+++						
	SCOP (35°C / 55°C)			5,18/3,91	5,23/3,89	5,48/4,12	5,62/4,14	5,51/4,04	5,35/4,03	5,29/4,10
	Rated Heat Output (Prated) (35°C / 55°C)		kW	5,70/5,64	7,34/7,31	9,83/9,60	9,74/9,72	13,3/12,0	13,1/12,4	15,7/14,4
	Seasonal Space Heating Efficiency (35°C / 55°C)		%	204/153	206/153	216/162	222/163	217/159	211/158	209/161
	Annual Energy Consumption (35°C / 55°C)		kWh	2275/2979	2901/3881	3706/4812	3579/4852	4974/6153	5082/6360	6111/7270
	Sound Pressure Level 1m		dB (A)	36	36	37	37	41	41	45
	Sound Power Level		dB (A)	49	49	50	50	55	55	59
Nominal Capacity and Nominal Input (According to EN14511:2022)										
Heating	Heating Capacity Min./Max.	A7/W35	kW	2,17/6,43	2,9/9,6	3,7/12,2	3,7/12,2	5,3/15,9	5,3/15,9	5,9/19,0
	Heating Power Input Min./Max.		kW	0,44/1,22	0,55/1,90	0,67/2,46	0,67/2,46	0,97/3,24	0,97/3,24	1,19/4,35
	C.O.P Max.		W/W	5,28	5,21	5,63	5,63	5,49	5,49	4,94
	Heating Capacity Min./Max.	A7/W45	kW	1,91/6,10	2,7/9,2	3,5/11,6	3,5/11,6	4,9/15,2	4,9/15,2	5,5/18,3
	Heating Power Input Min./Max.		kW	0,59/1,46	0,69/2,38	0,83/2,94	0,83/2,94	1,22/3,80	1,22/3,80	1,44/5,15
	C.O.P Max.		W/W	4,18	3,87	4,04	4,04	4,02	4,02	3,84
Cooling	Cooling Capacity Min./Max.	A35/W18	kW	3,66/7,44	3,4/9,0	6,3/12,2	6,3/12,2	7,8/15,3	7,8/15,3	9,1/18,4
	Cooling Power Input Min./Max.		kW	0,66/1,83	0,81/2,46	1,16/2,95	1,16/2,95	1,57/4,12	1,57/4,12	1,80/5,77
	E.E.R Max.		W/W	5,54	4,17	5,38	5,38	4,97	4,97	5,04
	Cooling Capacity Min./Max.	A35/W7	kW	2,47/5,94	2,3/7,0	3,3/9,2	3,3/9,2	5,2/12,1	5,2/12,1	6,2/12,4
	Cooling Power Input Min./Max.		kW	0,68/1,75	0,88/2,34	1,19/2,78	1,19/2,78	1,65/3,79	1,65/3,79	1,85/4,06
	E.E.R Max.		W/W	3,65	2,99	3,32	3,32	3,19	3,19	3,33
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device,										

Outdoor Unit Model				HLT206 MONO1S	HLT209 MONO1S	HLT212 MONO1S	HLT212 MONO3S	HLT216 MONO1S	HLT216 MONO3S	HLT220 MONO3S
Power Supply			V/Ph/Hz	220-240/1/50			380-415/3/50	220-240/1/50	380-415/3/50	380-415/3/50
Circuit Breaker			A	C16	C16	C25	C16	C32	C16	C20
Power Cable*			mm^2	3x2,5	3x2,5	3x4,0	5x2,5	3x6,0	5x2,5	5x4,0
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 / 0,85	R290 / 0,9	R290 / 1,2	R290 / 1,2	R290 / 1.75	R290 / 1,75	R290 / 1,9
	Rotary Compressor	Quantity		1						
	Four-way valve + EEV			Sanhua						
	Fan	Quantity		1				2		
		Airflow	m^3/h	2850	3280	3300	3300	6300	6300	6300
		Rated Power	W	62	116	172	172	62 x 2	62 x 2	62 x 2
Water Side	Plate Heat Exchanger	Quantity		1						
	Piping Connection		Inch	G1"				G1-1/4"		
	Allowable Water Flow - Min./Rated/Max.		l/s	0,17/0,24/0,31	0,27/0,38/0,50	0,40/0,57/0,75	0,40/0,57/0,75	0.50/0.72/0.93	0,50/0,72/0,93	0,67/0,96/1,24
			l/min	10,2/14,4/18,6	16,2/22,8/30	24/34,2/45	24/34,2/45	30/43.2/55.8	30/43,2/55,8	40,2/57,6/74,4
			m^3/h	0,61/0,86/1,12	0,97/1,37/1,8	1,44/2,05/2,7	1,44/2,05/2,7	1.8/2.59/3.35	1,8/2,59/3,35	2,41/3,46/4,46
	Water Flow Meter			Vortex						
	Circulation Pump (Head, m)			Grundfos (9)						Grundfos (12)
Dimensions	Net Dimensions (W x D x H)		mm	1258x440x830	1260x395x1030	1260x395x1030	1260x395x1030	1260x420x1550	1260x420x1550	1347x442x1458
	Net Weight		kg	110	125	140	155	200	215	230

*The selection of power supply cable cross-sectional areas shall comply with local electrical safety requirements.
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.

NØRDIS Ultima 2 Mono Split

INDOOR UNITS WITHOUT INTEGRATED DHW TANK



R290 WiFi A+++

Indoor Unit Model without DHW tank			HLT293S						
Compatible Outdoor Units			HLT206 MONO1S	HLT209 MONO1S	HLT212 MONO1S	HLT212 MONO3S	HLT216 MONO1S	HLT216 MONO3S	HLT220 MONO3S
Power Supply		V/Hz/Ph	380-415/50/3						
Circuit Breaker		A	C16						
Power Cable		mm^2	5x2,5						
Backup Heater		kW	9 (3+6)						
Sound Pressure Level 1m		dB(A)	20						
3-way Diverting Valve			LK Systems						
Water Side	Piping Connection	Inch	G1"						
	Water Pressure Drop	kPa	22						
	Water Temperature Range	°C	7 ~ 75						
Dimensions	Net Dimensions (L x D x H)	mm	550x260x650						
	Net Weight	kg	32						
Specifications are subject to change without notice. For actual device specifications, see. See the stickers on the device.									

Features

- Innovative 7'' touch-sensitive control panel
- Integrated Wi-Fi and 4G module for device control via smartphone
- 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 2 Mono Split

INDOOR UNITS WITH INTEGRATED DHW TANK

INDOOR UNITS WITH INTEGRATED DHW AND BUFFER TANKS



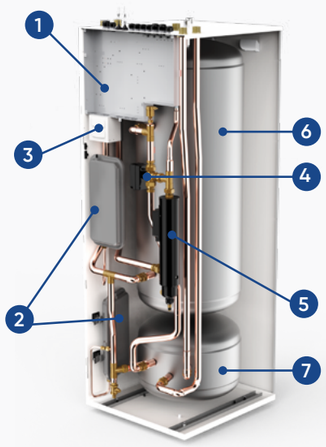
R290 WiFi A+++

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
- Implemented temperature curves for device control based on outdoor temperature
- Hot water disinfection function
- Integrated 250 L stainless steel DHW tank or 200 L SS DHW and 50 L buffer tank

Indoor Unit Structure



1. Control unit
2. 2x5 L vessel
3. Digital thermostats
4. Three-way valve
5. 9 kW electric heater
6. 200 L hot water tank
7. 50L buffer tank

Indoor Unit Model with DHW tank			HLT293S/250						
Compatible Outdoor Units			HLT206 MONO1S	HLT209 MONO1S	HLT212 MONO1S	HLT212 MONO3S	HLT216 MONO1S	HLT216 MONO3S	HLT220 MONO3S
Power Supply		V/Hz/Ph	380-415/50/3						
Circuit Breaker		A	C16						
Power Cable*		mm²	5x2,5						
Backup Heater		kW	9 (3+6)						
Sound Pressure Level 1m		dB (A)	20						
3-way Diverting Valve			LK Systems						
Expansion vessel		l	10 (2 x 5)						
DHW tank	Volume	l	250						
	Material		Duplex 2205 SS						
Water Side	Piping Connection	Inch	G1"						
	DHW Inlet Connection	Inch	G3/4"						
	DHW Outlet Connection	Inch	G1"						
	Water Temperature Range	°C	7 ~ 75						
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.
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.

Indoor Unit with DHW and Buffer Tanks			HLT293S/200B50			
Compatible Outdoor Units			HLT206 MONO1S	HLT209 MONO1S	HLT212 MONO1S	HLT212 MONO3S
Power Supply		V/Hz/Ph	380-415/50/3			
Circuit Breaker		A	C16			
Power Cable*		mm²	5x2,5			
Backup Heater		kW	9 (3+6)			
Sound Pressure Level 1m		dB (A)	20			
3-way Diverting Valve			LK Systems			
Expansion vessel		l	10 (2 x 5)			
DHW tank	Volume	l	200			
	Material		Duplex 2205 SS			
Buffer tank	Volume	l	50			
	Material		Duplex 2205 SS			
Water Side	Piping Connection	Inch	G1"			
	DHW Inlet Connection	Inch	G3/4"			
	DHW Outlet Connection	Inch	G1"			
	Water Temperature Range	°C	7 ~ 75			
Dimensions	Net Dimensions (L x D x H)	mm	600x710x1720			
	Net Weight	kg	160			

*The selection of power supply cable cross-sectional areas shall comply with local electrical safety requirements.
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.

NØRDIS Ultima 2 Mono Commercial

FOR COMMERCIAL USE



R290 | WiFi | A+++

Features

- Energy efficiency class up to A+++/A+++;
- Eco-friendly refrigerant R290;
- Supply water temperature up to 75°C;
- Operates in heating mode at outdoor temperatures down to -25°C;
- Innovative 7'' touch-sensitive control panel;
- One control panel manages up to 15 units in a single cascade system;
- Smart grid function integrated.

Due to its power and wide range of applications, the NØRDIS Ultima 2 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 optimised cascade system allows the NØRDIS Ultima 2 series to adapt to a variety of needs.



30kW outdoor unit



40kW outdoor unit



80kW outdoor unit

Model				HLT230MONO3	HLT240MONO3	HLT280MONO3
Compatible Indoor Control Unit				HLT Control Box		
Seasonal Energy (According to EN14825:2022)						
ErP	Energy Class-Heating (35°C/55°C)			A+++/A+++	A+++/A++	A+++/A+++
	SCOP (35°C/55°C)		W/W	5,22/4,04	4,86/3,72	4.98/3.93
	Rated Heat Output (Prated) (35 °C / 55 °C)		kW	29/29	28,6/28,1	58/58
	Seasonal Space Heating Efficiency (35°C/55°C)		%	206/159	192/146	196/154
	Annual Energy Consumption (35°C/55°C)		kWh	11470/14823	12166/15641	24051/30472
	Sound Pressure Level 1m		dB (A)	41	48	ND
	Sound Power Level		dB (A)	55	62	68
Nominal Capacity and Nominal Input (According to EN14511:2022)						
Heating	Heating Capacity Min./Max.	A7/W35	kW	8,33/30,73	12,70/38,60	20.9/82.8
	Heating Power Input Min./Max.		kW	1,51/6,95	2,80/12,30	4.52/21.6
	C.O.P Max.		W/W	5,50	4,58	4.62
	Heating Capacity Min./Max.	A7/W45	kW	6,36/29,48	12,40/39,90	20.73/82.1
	Heating Power Input Min./Max.		kW	1,90/8,05	3,90/14,70	5.63/25.6
	C.O.P Max.		W/W	3,66	3,15	3.68
Cooling	Cooling Capacity Min./Max.	A35/W18	kW	11,67/30,36	11,96/34,20	28.46/75.9
	Cooling Power Input Min./Max.		kW	2,46/8,27	2,80/9,10	6.41/20.7
	E.E.R Max.		W/W	4,90	4,78	4.44
	Cooling Capacity Min./Max.	A35/W7	kW	6,36/23,45	4,50/25,10	20.4/54.3
	Cooling Power Input Min./Max.		kW	2,55/8,53	2,90/9,40	5.9/19.6
	E.E.R Max.		W/W	2,75	2,59	3.46
Specifications are subject to change without notice, For actual device specifications, see the stickers on the device,						

Outdoor Unit Model				HLT230MONO3	HLT240MONO3	HLT280MONO3
Power Supply			V/Ph/Hz	380-415/3/50		
Circuit Breaker			A	C25	C32	C63
Power Cable*			mm²	5x4	5x6,0	5x16
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 / 2,7	R290 / 4,2	R290 / 9
	Scroll Compressor	Quantity		1	1	2
	Four-way valve + EEV			Sanhua		
	Fan	Quantity		2	1	2
		Airflow	m³/h	11000	12500	27000
		Rated Power	W	200 x 2	1100	1100 x 2
	Propane Leak Protection System			+		
Water Side	Plate Heat Exchanger	Quantity		1		
	Piping Connection		Inch	G1-1/2"	G2"	DN65
	Allowable Water Flow - Min./Rated/Max.		l/s	1/1,43/1,84	1,3/1,9/2,5	1.67/3.82/5
			l/min	60/85,8/110,4	78/83,4/150	100/229/300
			m³/h	3,6/5,15/6,62	4,68/6,84/9	6,01/13,7/18
	Water Flow Meter			Vortex		
	Circulation Pump (Head, m)			-		
Dimensions	Net Dimensions (W x D x H)		mm	1544x550x1740	1170x970x1620	2218×984×2336
	Net Weight		kg	275	348	770
*The selection of power supply cable cross-sectional areas shall comply with local electrical safety requirements. Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.						

Indoor Control Unit			HLT CONTROL BOX		
Compatible Outdoor Units			HLT230MONO3	HLT240MONO3	HLT280MONO3
Power Supply		V/Ph/Hz	220-240/1/50		
Circuit Breaker		A	C6		
Power Cable*		mm²	3x1,5		
Dimensions	Net Dimensions (L x D x H)	mm	390x132x450		
	Net Weight	kg	10		
*The selection of power supply cable cross-sectional areas shall comply with local electrical safety requirements. Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.					