



NØRDIS Ultima 2

Heat Pumps Air-to-Water



Ultima 2

FOR RESIDENTIAL USE



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.



A+++/A+++

Ultima 2 features high energy efficiency class, ensuring extremely low energy consumption. Even in cold climates, the system delivers reliable operation and maximum heating performance.



Wide Range of Units

This series offers a wide range of solutions tailored for residential homes, making it easy to find the perfect system for any household. With multiple configurations and capacities available, it adapts seamlessly to different home sizes, layouts, and heating needs.



Cascade Operation

Cascade operation allows multiple units to be connected into a single, intelligent system, delivering higher capacity and greater flexibility. One control panel can manage up to 15 units, ensuring efficient performance and optimized energy use for larger residential or commercial applications.

Intelligent Control Without Limits

Ultima 2 is equipped with a modern, user-friendly touchscreen control panel that allows quick and intuitive system management. All key settings and performance data are easily accessible in one place, ensuring precise control and a seamless user experience.

With convenient smartphone app control, Ultima 2 can be monitored and adjusted anytime, anywhere. Users can change settings, track system performance, and manage comfort remotely, making everyday operation effortless and highly flexible.



Flexible Tank Configurations for Every Home

Ultima 2 offers a smart, space-saving solution with two indoor units with integrated tanks options. Choose an all-in-one version with integrated DHW and buffer tanks, or only the integrated DHW tank unit version with a separate buffer tank for higher-power systems. Flexible design, efficient performance, minimal space.

-25°C

Efficient operation with outdoor temperatures dropping to

NØRDIS

75°C

Maximum supplied water temperature

Ultima 2
R290



Ultima 2 Mono Commercial

FOR COMMERCIAL USE

R290

WiFi

A+++

Power and Flexibility for Commercial Buildings

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



ENERGY EFFICIENCY CLASS

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



ECO-FRIENDLY R290 REFRIGERANT

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



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.



MODBUS

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



UPS

Dedicated UPS terminals



SG-READY

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



CASCADE OPERATION

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

Certified Quality You Can Trust

All Ultima 2 heat pumps are KEYMARK certified, confirming compliance with the highest European standards for quality, safety, and energy efficiency. This independent certification guarantees reliable performance, proven efficiency, and long-term confidence in every Ultima 2 system.



Sustainable Power with R290 Refrigerant

ULTIMA 2 uses the eco-friendly R290 refrigerant, which has an extremely low global warming potential and zero ozone depletion impact. This natural refrigerant ensures high system efficiency while significantly reducing environmental impact, making ULTIMA 2 a sustainable and future-proof heating solution.

Residential Outdoor Units Technical Data

Outdoor Unit Model		HLT206 MONO1S	HLT209 MONO1S	HLT212 MONO1S	HLT212 MONO3S	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							
Seasonal Energy (According to EN14825)		A+++ / A+++							
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	5,35/4,03	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	13,1/12,4	15,7/14,4	
	Seasonal Space Heating Efficiency (35°C / 55°C)	%	204/153	206/153	216/162	222/163	211/158	209/161	
	Annual Energy Consumption (35°C / 55°C)	kWh	2275/2979	2901/3881	3706/4812	3579/4852	5082/6360	6111/7270	
	Sound Pressure Level 1m	dB (A)	36	36	37	37	41	45	
	Sound Power Level	dB (A)	49	49	50	50	55	59	
Nominal Capacity and Nominal Input									
Heating	Heating Capacity Min./Max.	A7/W35	kW	1,85/6,24	2,9/9,6	3,7/12,2	3,7/12,2	5,3/15,9	5,9/19,0
	Heating Power Input Min./Max.		kW	0,38/1,25	0,55/1,90	0,67/2,46	0,67/2,46	0,97/3,24	1,19/4,35
	C.O.P Max.		W/W	4,86/4,99	4,57/98	5,63	5,63	5,49	4,94
	Heating Capacity Min./Max.	A7/W45	kW	1,73/5,93	2,7/9,2	3,5/11,6	3,5/11,6	4,9/15,2	5,5/18,3
	Heating Power Input Min./Max.		kW	0,47/1,50	0,69/2,38	0,83/2,94	0,83/2,94	1,22/3,80	1,44/5,15
	C.O.P Max.		W/W	3,72/3,95	3,86/3,87	4,04/3,94	4,04/3,94	4,02/4,00	3,84/3,54
Cooling	Cooling Capacity Min./Max.	A35/ W18	kW	3,63/6,10	3,4/9,0	6,3/12,2	6,3/12,2	7,8/15,3	9,1/18,4
	Cooling Power Input Min./Max.		kW	0,68/1,3	0,81/2,46	1,16/2,95	1,16/2,95	1,57/4,12	1,80/5,77
	E.E.R Max.		W/W	5,35/4,70	4,17/3,67	5,38/4,12	5,38/4,12	4,97/3,70	5,04/3,19
	Cooling Capacity Min./Max.	A35/W7	kW	2,45/4,95	2,3/7,0	3,3/9,2	3,3/9,2	5,2/12,1	6,2/12,4
	Cooling Power Input Min./Max.		kW	0,67/1,54	0,88/2,34	1,19/2,78	1,19/2,78	1,65/3,79	1,85/4,06
	E.E.R Max.		W/W	3,65/3,22	2,59/2,99	2,80/3,32	2,80/3,32	3,18/3,19	3,33/3,05
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 MONO3S	HLT220 MONO3S		
Power Supply	V/Ph/Hz	220-240/1/50			380-415/3/50				
Circuit Breaker	A	C16	C20	C25	C16	C16	C20		
Power Cable*	mm²	3x2,5	3x2,5	3x4,0	5x2,5	5x2,5	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 / 0,85	R290 / 0,9	R290 / 1,2	R290 / 1,2	R290 / 1,75	R290 / 1,9
	Rotary Compressor	Quantity		1					
	Four-way valve + EEV	Sanhua							
	Fan	Quantity		1			2		
		Airflow	m³/h	2850	3280	3300	3300	6300	6300
	Rated Power	W	85	116	172	172	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	0,67/0,96/ 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	40,2/57,6/74,4	
		m³/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	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	1150x365x715	1260x395x1030	1260x395x1030	1260x395x1030	1260x420x1550	1347x442x1458	
	Net Weight	kg	95	125	140	155	215	230	
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.									

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

Residential Indoor Units Technical Data

Indoor Unit Model without DHW tank			HLT293S					
Compatible Outdoor Units			HLT206 MONO1S	HLT209 MONO1S	HLT212 MONO1S	HLT212 MONO3S	HLT216 MONO3S	HLT220 MONO3S
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)					
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 the stickers on the device.

Indoor Unit Model with DHW tank			HLT293S/250					
Compatible Outdoor Units			HLT206 MONO1S	HLT209 MONO1S	HLT212 MONO1S	HLT212 MONO3S	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					
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					

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	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					
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	590x735x1950					
	Net Weight	kg	175					

Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.

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

Commercial Outdoor Units Technical Data

Model		HLT230MONO3		HLT240MONO3		HLT280MONO3	
Compatible Indoor Control Unit			HLT Control Box				
Seasonal Energy (According to EN14825)							
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	4.80/3.70	
	Rated Heat Output (Prated) (35 °C / 55 °C)		kW	29/29	28.6/28.1	57/56	
	Seasonal Space Heating Efficiency (35°C/55°C)		%	206/159	192/146	190/143	
	Annual Energy Consumption (35°C/55°C)		kWh	11470/14823	12166/15641	25166/30641	
	Sound Pressure Level 1m		dB (A)	41	48	ND	
	Sound Power Level		dB (A)	55	62	ND	
Nominal Capacity and Nominal Input							
Heating	Heating Capacity Min./Max.		A7/W35	kW	8.33/30.73	12.70/38.60	279/80.0
	Heating Power Input Min./Max.			kW	1.51/6.95	2.80/12.30	5.58/18.6
	C.O.P Max.			W/W	5.50	4.58	5.0
	Heating Capacity Min./Max.		A7/W45	kW	6.36/29.48	12.40/39.90	25.8/7.4
	Heating Power Input Min./Max.			kW	1.90/8.05	3.90/14.70	7.54/22.4
	C.O.P Max.			W/W	3.66	3.15	3.5
Cooling	Cooling Capacity Min./Max.		A35/W18	kW	11.67/30.36	11.96/34.20	26.6/71.0
	Cooling Power Input Min./Max.			kW	2.46/8.27	2.80/9.10	5.43/18.20
	E.E.R Max.			W/W	4.90	4.78	4.9
	Cooling Capacity Min./Max.		A35/W7	kW	6.36/23.45	4.50/25.10	18.6/50
	Cooling Power Input Min./Max.			kW	2.55/8.53	2.90/9.40	5.85/19.93
	E.E.R Max.			W/W	2.75	2.59	3.18
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	C40	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		Quantity		Sanhua				
	Fan	Quantity			2	1	2		
		Airflow	m³/h		11000	12500	27000		
Rated Power	W			200 x 2	1100	1100 x 2			
Water Side	Plate Heat Exchanger		Quantity		1				
	Piping Connection		Inch	G1-1/2"	G2"	G3"			
	Allowable Water Flow - Min./Rated/Max.		l/s	1/1,43/1,84	1,3/1,9/2,5	2,6/3,8/5,0			
			l/min	60/85,8/110,4	78/83,4/150	156/228/300			
			m³/h	3,6/5,15/6,62	4,68/6,84/9	9,36/13,68/18			
Water Flow Meter		Vortex							
Dimensions	Net Dimensions (W x D x H)		mm	1544x550x1740	1170x970x1620	2218x984x2336			
	Net Weight		kg	275	348	800			
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.									

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

Commercial Indoor Units Technical Data

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*		mm ²	3x1,5	
Dimensions	Net Dimensions (L x D x H)	mm	390x132x450	
	Net Weight	kg	10	
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.				

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



More information
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