NØRDIS

PRODUCT CATALOGUE

Heat Pumps Air-to-Air
Heat Pumps Air-to-water
Fan Coil Units

2026

Content

AIR CONDITIONERS
HEAT PUMPS
AIR-TO-AIR

Solutions Adapted For Any Space

Our solutions are designed to help you work comfortably, relax fully, and enjoy a balanced, fulfilling life – all while reducing energy consumption and supporting long-term well-being. By combining innovative technology with thoughtful design, we aim to enhance everyday experiences in a sustainable way.

We focus on the spaces where you spend most of your time, ensuring they consistently deliver optimal comfort and efficiency. From modern workplaces that boost productivity and concentration, to homes that offer warmth, calm, and relaxation, and leisure areas that promote rest and enjoyment – NØRDIS solutions adapt seamlessly to any environment.

Experience Gathered

EQUIPMENT FOR THE FUTURE

The experience in designing and manufacturing air conditioning and heating systems, along with optimised production processes, has enabled the creation of a reliable NØRDIS air conditioning industry network with the largest and most advanced production lines.

By refining manufacturing processes and addressing the needs of customers living in northern climates, NØRDIS offers a new generation of inverter air conditioners and air-to-air heat pumps designed for both residential and commercial spaces in cooler climate regions.

NØRDIS Split and Multi-Split Type Air Conditioners for Residential Spaces

Ultra-quiet Split-type inverter air conditioners and air-to-air heat pumps feature a stylish and compact design. With energy efficiency ratings of A+++, A++, and A+, they ensure low energy consumption, while advanced functions create a comfortable environment in both cooled and heated spaces.

NØRDIS Multi-Split inverter air-to-air heat pumps are designed for those who need more than one air conditioner. The product range allows you to create a system that best suits the layout and design of any home.

NØRDIS Split and Multi-Split Type Air Conditioners for Commercial Use

Functional NØRDIS air conditioners and air-to-air heat pumps are designed to maintain a comfortable temperature and improve air quality in commercial spaces.

This modern equipment is suitable for commercial properties, offices, workshops, auditoriums, sports halls, manufacturing facilities, warehouses, as well as private and public spaces. With high efficiency, these systems require minimal energy consumption and do not involve complex installation processes.

Ensuring Efficiency Equipment Standards

FLEXIBLE INSTALLATION AND EASY MAINTENANCE

ENERGY EFFICIENCY AND ECO-FRIENDLINESS

SMART CONTROL

COMFORT GUARANTEED

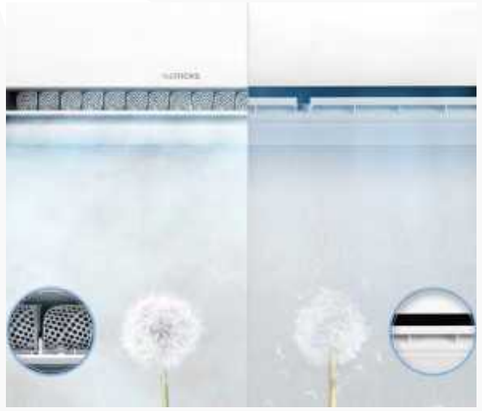
INDOOR AIR CLEANLINESS AND QUALITY

Air Conditioners Air-to-Air Heat Pumps

Gentle Cool Airflow

The latest NØRDIS air conditioner series features the highly advanced “Gentle Cool Wind” technology for wind-free cooling.

Next-generation airflow direction grilles, equipped with micro-holes, gently, evenly, and quietly distribute cool air throughout the room. This ensures a pleasant cooling experience while eliminating cold air drafts.



Cool and Warm Airflow

NØRDIS multifunctional air conditioner and air-to-air heat pump ensures year-round comfort indoors. With a single device, spaces are cooled in summer and heated in winter.

Thanks to its specially designed air ducts, air is delivered over long distances, allowing cool or warm air to reach even the furthest corners of the room.

Smart Air Flow technology enables intelligent airflow management for maximum comfort in both cooling and heating modes. In cooling mode, it creates a “shower” airflow effect, while in heating mode, it provides a “blanket” airflow effect for optimal warmth.

Sleep Mode for Quality Rest

Sleep mode is a specially designed function of the NØRDIS air conditioner and air-to-air heat pump tailored for nighttime use to ensure a comfortable rest.

When sleep mode is activated, the air conditioner gradually adjusts the room temperature by increasing or decreasing it by 1-2 degrees per hour. The automatic regulation of ambient temperature and humidity helps maintain optimal body temperature and preserves sleep quality.

Room Heating and Cooling at Turbo Speed

The NØRDIS air conditioner’s Turbo function activates the rapid cooling or heating option.

This function is designed for especially fast and efficient room cooling or heating, instantly transforming the space into a comfortable environment for work, leisure, and relaxation.

Air Conditioners - Air-to-Air Heat Pumps

INDOOR AIR CLEANLINESS AND QUALITY

Self-Cleaning and High Temperature Disinfection

The automatic cleaning function is especially important for any air conditioning system.

The NØRDIS equipment's automatic cleaning function automatically cleans the interior of the air conditioner's indoor unit and removes accumulated moisture.

Regularly activating this function ensures that harmful microorganisms and bacteria do not multiply inside the unit, keeping the air cleaner and healthier.

A Well-Designed Filter System for a Healthy Environment

Air conditioners can neutralize up to 99.99% of bacteria, allergens, and other harmful microorganisms in indoor air. That's why NØRDIS equipment is designed with a strong focus on high-level air filtration systems.

These systems include mechanical filtration filters that capture even the finest airborne particles, as well as additional activated carbon and silver ion filters that eliminate unpleasant odors and microorganisms.

B.I.G. Care Protection Complex for Maximum Indoor Air Quality

Bipolar Ion Generator:

- Bipolar ion generator is installed at the air outlet.
- No additional energy consumption for air ionization.

UVC Disinfection:

- UVC LED lights built into the evaporator emit 240–280 nm waves.
- The radiation eliminates bacteria, microbes, and other harmful particles.

Air Conditioners - Air-to-Air Heat Pumps

SMART CONTROL

Air Conditioners - Air-to-Air Heat Pumps

ENERGY EFFICIENCY AND ECOLOGY

Smart Remote Control

The Wi-Fi modules integrated in the NØRDIS units allow you to control the air conditioner with your smartphone (OS: Android, iOS).

With the app, you can remotely switch the air conditioner-heat pump on and off, control its functions and schedule its operation at any time, wherever you are.

Minimum Heat While You're Away

NØRDIS air conditioners - air-to-air heat pumps have a temperature maintenance function of +8°C.
In heating mode, the heat pumps prevent the room temperature from dropping below 8 degrees. This function is especially useful if you are not at home all the time or if you leave the house for a longer period of time.

Environmentally Friendly R32 Refrigerant

R-32 - the next generation of environmentally friendly refrigerant offers advantages over its predecessor R410A:

- Low global warming potential (GWP).
- Higher heat transfer coefficient for better performance.
- The system requires less refrigerant.

High Energy Efficiency Class

NØRDIS heating and cooling equipment is based on technologies that ensure an extremely high level of energy efficiency.

High-quality appliances are therefore energy efficient and have an energy efficiency class of at least A+.

Air Conditioners - Air-to-Air Heat Pumps

FLEXIBLE INSTALLATION AND EASY MAINTENANCE

Flexible Solutions for Different Needs

Each wall-mounted air conditioner can be integrated into single-zone or multi-zone systems. In every case, the customer receives a customized solution tailored for heating and cooling any type of space.

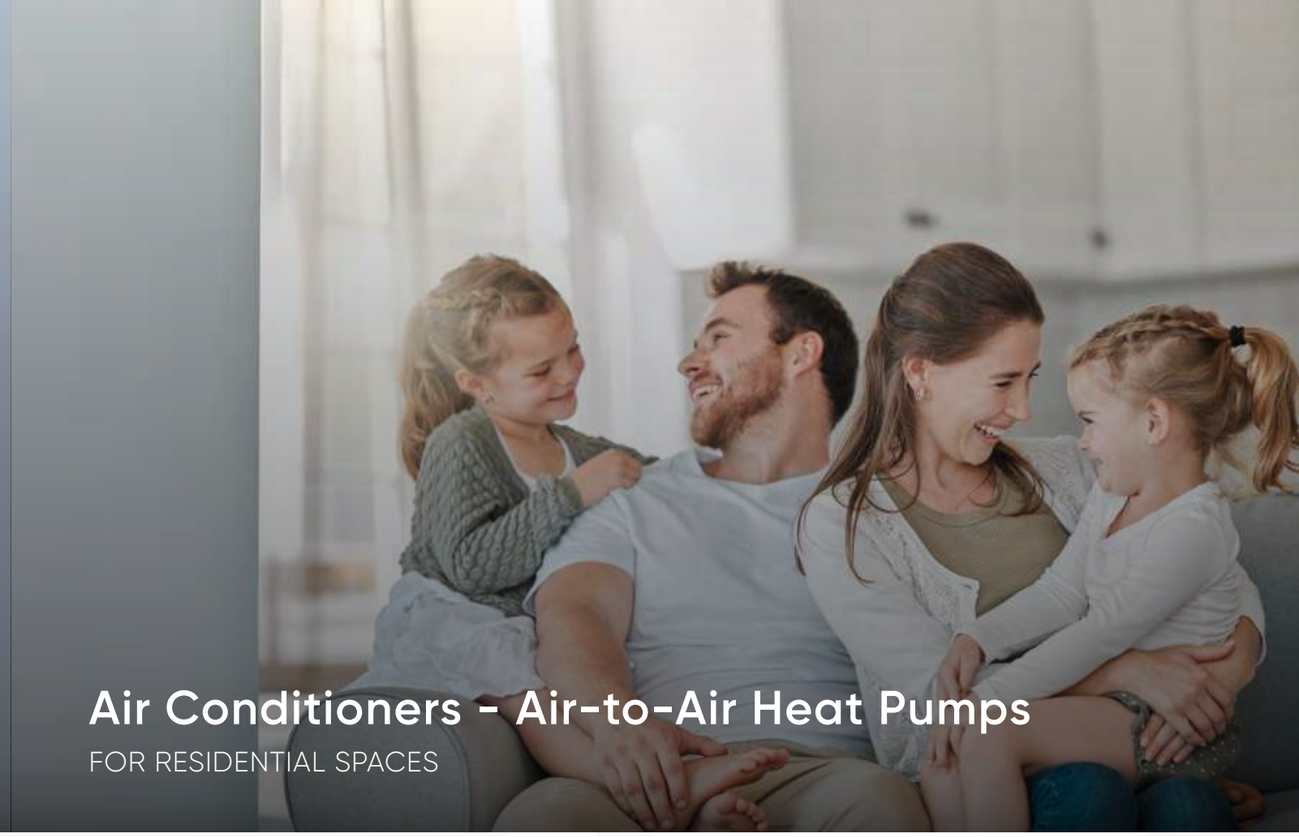
Easy Zone Layout Adjustment

The NØRDIS systems allow flexible adaptation of system solutions from cooling/heating with one zone to multiple zones and vice versa. To reorganise the system, you only need to buy the missing units.

Solutions for Every Space

For bedrooms, where higher air quality and comfortable airflow are required. For living rooms, where efficient air distribution and uniform cooling/heating are essential.

For offices, where a quiet environment and energy efficiency must be ensured... all available in the NØRDIS air conditioner – air-to-air heat pump range.



Air Conditioners - Air-to-Air Heat Pumps

FOR RESIDENTIAL SPACES

Split-type Air Conditioners Air-to-Air Heat Pumps

R32

Inverter Air Conditioners
For Residential Spaces / Small Offices

6 SERIES

- 19 Different Models
- Power Range: 2.6 to 7.0 kW

Multi-Split Type Air Conditioners Air-to-Air Heat Pumps

R32

Inverter Air Conditioning Systems
For Residential Spaces / Small Offices

6 SERIES

- Various System Combinations
- Heating/Cooling for 2, 3, 4, or 5 Separate Zones with a Single System
- Power Range: 4.1 to 12.2 kW

NØRDIS Galaxy

SPLIT-TYPE AIR CONDITIONERS – AIR-TO-AIR HEAT PUMPS

AI · A+++ · WiFi · R32 · 2 colors · Inverter Technology

AI SELF-LEARNING ENERGY SAVING
learns each room's patterns and usage habits, then automatically adapts

EFFICIENT HEATING AND COOLING
temperature range from -30°C to +53°C

ELEGANT AND STYLISH DESIGN:
black/white version

"I FEEL" TECHNOLOGY
for smart temperature control

HIGH SEASONAL EFFICIENCY
(SEER 9,7; SCOP 5,8; A+++ energy efficiency class)

+8 °C FUNCTION
for maintaining a constant temperature in non-permanent living spaces

GENTLE COOL WIND TECHNOLOGY
breezeless Air Cooling

FOR SMART CONTROL
built-in Wi-Fi module for control by mobile phone

B.I.G. CARE+ PROTECTION
bipolar ion generator and UVC disinfection

SELF-CLEANING AND DISINFECTION AT 56°C

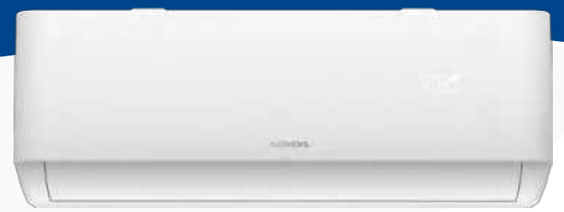
COMPATIBLE WITH BUILDING MANAGEMENT SYSTEMS (BMS)
for seamless integration in smart buildings

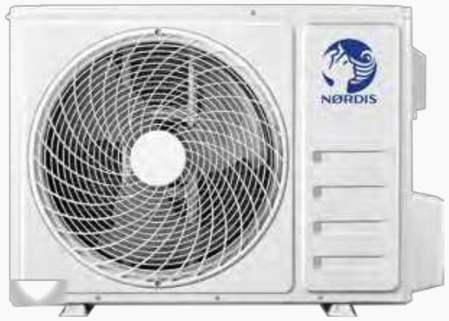
HOTEL MENU FUNCTION
featuring dry contact control, automatic On/Off restart, cooling-only/heating-only settings, and limited maximum/minimum temperature control

Model			G09TC1	G12TC1
Power Supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50
Cooling	Capacity	kW	2,72(0,94-3,81)	3,58(1,00-4,00)
	Power Input nom (min-max)	kW	0,53(0,24-1,50)	0,79(0,29-1,50)
	Rated Current	A	2,9(1,2-9,0)	3,6(1,5-9,0)
	SEER		9,7	9,4
	EER		5,13	4,53
	Energy Class		A+++	
Heating	Capacity	kW	3,55(0,94-4,30)	3,90(1,00-4,50)
	Power Input nom (min-max)	kW	0,84(0,24-1,83)	0,94(0,29-1,83)
	Rated Current	A	3,8(1,2-10,0)	4,6(1,5-10,0)
	SCOP		5,8	5,8
	COP		4,22	4,15
	Energy efficiency class (average climate zone)		A+++	
Wi-Fi		+/-	+	
Indoor Unit				
Dimensions (WxHxD)		mm	909×305×209	909×305×209
Dimension of Package (WxHxD)		mm	981×375×275	981×375×275
Weight Netto		kg	10,4	10,4
Weight Brutto		kg	13,2	13,2
Air Flow Volume		m^3/h	820/750/700/640/600/540/500	820/750/700/640/600/540/500
Sound Pressure		dB (A)	46/42/39/36/33/30/28	46/42/39/36/33/30/28
Sound Power		dB (A)	56/50/45/42/39/36/33	56/50/45/42/39/36/33
Outdoor Unit				
Dimension (WxHxD)		mm	853×602×349	853×602×349
Dimension of Package (WxHxD)		mm	890×628×385	890×628×385
Weight Netto		kg	30	30
Weight Brutto		kg	32	32
Air Flow Volume		m^3/h	2600	2600
Sound Pressure		dB (A)	53	53
Sound Power		dB (A)	64	64
Connection Pipe	Pipe Diameters	in/mm	1/4''-3/8"/ (Ø6,35-Ø9,52)	1/4''-3/8"/ (Ø6,35-Ø9,52)
	Refrigerant R32 Charge	kg	0,85	0,85
	Additional Refrigerant	g/m	15	15
	Pipe Length without Additional Refrigerant	m	5	5
	Max. Distance Length	m	25	25
	Max. Elevation	m	10	10
Cables and Protection Devices	Power Cable	mm^2	3x1,5	3x1,5
	Automatic Switch	A	16	16
	Communication Cable	mm^2	4×0,75	4×0,75
Cooling Operation Ambient Temperature Range		°C	-15-53	-15-53
Heating Operation Ambient Temperature Range		°C	-30-30	-30-30
Specifications may be changed without prior notice. For the actual device specifications, refer to the labels on the device.				

NØRDIS Orion Evo

SPLIT-TYPE AIR CONDITIONERS – AIR-TO-AIR HEAT PUMPS





A+++ | WiFi | R32 | AI | Inverter Technology

SMART ENERGY MANAGEMENT WITH AI 2.0
powered by AI 2.0, you can cut energy use by up to 38%—in both cooling and heating

EFFICIENT HEATING AND COOLING
temperature range from -25°C to +53°C

RAPID COOLING
within 30 s, Air Volume Increased by 20%, Noise Reduced by 1-2 dB (A)

GENTLE COOL WIND TECHNOLOGY
breezeless air cooling

SMART AIRFLOW CONTROLS
cooling with „Shower-Type" airflow, heating with „Blanket-Type" airflow

COMPATIBLE WITH BUILDING MANAGEMENT SYSTEMS (BMS)
for seamless integration in smart buildings

"I FEEL" TECHNOLOGY
for smart temperature control

+8 °C FUNCTION
for maintaining a constant temperature in non-permanent living spaces

SELF-CLEANING AND DISINFECTION AT 56°C

B.I.G. CARE+ PROTECTION
bipolar ion generation and UVC sterilisation for healthier environments.

BUILT-IN WI-FI MODULE
for intelligent control via smartphone

HOTEL MENU FUNCTION
featuring dry contact control, automatic On/Off restart, cooling-only/heating-only settings, and limited maximum/minimum temperature control

Model			OE09TC1	OE12TC1	OE18TC1	OE24TC1
Power Supply		V/Ph/Hz	220-240 ~/ 1 /50	220-240 ~/ 1 /50	220-240 ~/ 1 /50	220-240 ~/ 1 /50
Cooling	Capacity	kW	2,61(0,94-3,70)	3,52(1,00-4,60)	5,2 (1,25-5,9)	7,0 (1,8-7,8)
	Cooling Power Input nom (min-max)	kW	0,67 (0,24-1,38)	1,05(0,29-1,51)	1,41(0,33-2,35)	1,94(0,41-2,83)
	Cooling Rated Current	A	3,0(1,2-8,1)	4,8(1,5-9,2)	6,4(1,7-12,0)	8,7(2,3-15,5)
	SEER		8,5	8,5	8,5	8,5
	EER		3,89	3,35	3,68	3,60
	Energy Class		A+++			
Heating	Capacity	kW	3,32 (0,94-4,00)	3,86 (1,00-4,90)	5,50 (1,25-6,69)	7,10(1,85-7,96)
	Heating Power Input nom(min-max)	kW	0,86 (0,24-1,55)	0,96 (0,29-1,72)	1,40 (0,34-2,54)	1,81(0,42-3,01)
	Heating Rated Current	A	3,9(1,2-9,0)	4,0(1,5-10,0)	6,4(1,7-13,0)	8,0(2,3-16,0)
	SCOP		4,6	4,7	4,6	4,7
	COP		3,86	4,02	3,92	3,29
	Energy efficiency class (moderate climate zone)		A++			
Wi-Fi		+/-	+			
Indoor Unit						
Dimensions (WxHxD)		mm	820×306×195	820×306×195	920×306×195	1100×333×222
Dimension of Package (WxHxD)		mm	890×380×265	890×380×265	990×380×265	1165×405×295
Weight Netto		kg	9	9	10	11
Weight Brutto		kg	11	11	13	17
Air Flow Volume		m^3/h	680/650/610/ 570/540/500/460	680/650/610/570/ 540/500/460	900/810/760/700/ 650/590/530	1150/1070/1010/ 940/890/830/750
Sound Pressure 1m Distance		dB (A)	44/41/37/ 34/29/25/19	44/41/37/34/ 29/25/19	47/42/40/ 38/36/34/32	50/44/40/ 37/34/30/26
Sound Power		dB (A)	54/50/47/ 44/39/35/29	54/50/47/44/ 39/35/29	57/52/50/48/ 46/44/42	60/54/50/ 47/44/40/36
Outdoor Unit						
Dimension (WxHxD)		mm	787×498×290	810×549×305	927×699×380	978×803×421
Dimension of Package (WxHxD)		mm	818×520×325	835×575×328	949×732×392	978×803×421
Weight Netto		kg	22	24	38	45
Weight Brutto		kg	24	26	41	49,5
Air Flow Volume		m^3/h	2000	2300	3000	4000
Sound Pressure 1m Distance		dB (A)	52	53	55	58
Sound Power		dB (A)	62	63	65	68
Connection Pipe	Pipe Diameters	in/mm	1/4"-3/8"/ (Ø6,35-Ø9,52)	1/4"-3/8"/ (Ø6,35-Ø9,52)	1/4"-1/2"/ (Ø6,35-Ø12,70)	1/4"-1/2"/ (Ø6,35-Ø12,70)
	Refrigerant R32 Charge	kg	0,57	0,6	0,87	1,27
	Additional Refrigerant	g/m	15	15	25	25
	Track Length without Additional Refrigerant	m	5	5	5	5
	Max. Distance Length	m	25	25	25	25
	Max. Elevation	m	10	10	10	10
Cables and Protection Devices	Power Cable	mm^2	3x1,5	3x1,5	3x1,5	3x2,5
	Automatic Switch	A	10	16	16	20
	Communication Cable	mm^2	4x0,75	4x0,75	4x0,75	4x0,75
Cooling Operation Ambient Temperature Range		°C	-15~53	-15~53	-15~53	-15~53
Heating Operation Ambient Temperature Range		°C	-25~30	-25~30	-25~30	-25~30
Specifications may be changed without prior notice. For the actual device specifications, refer to the labels on the device.						

NØRDIS Lyra

SPLIT-TYPE AIR CONDITIONERS – AIR-TO-AIR HEAT PUMPS

AI WiFi R32 Inverter Technology

SMART ENERGY MANAGEMENT WITH AI 2.0
offline energy saving in both cooling & heating

EFFICIENT HEATING AND COOLING

REVERSE FAN BLOW
the outdoor unit fan blows dust off before operation – cleaner heat exchanger

7 FAN SPEEDS
for different airflow needs.

+8 °C FUNCTION
for maintaining a constant temperature in non-permanent living spaces

"I FEEL" TECHNOLOGY
enables smart temperature control and creates a more pleasant atmosphere

ANTI-DIRECT AIR FLOW
with dimpled design and Coandă effect for lifted, uniform air circulation

***ADDITIONAL MODULE FOR REMOTE CONTROL**
the Wi-Fi module lets you control your air conditioner directly from your smartphone (Android and iOS). With the app, you can switch your air-to-air heat pump on or off remotely, manage its functions, and schedule operation anytime, anywhere

Model			L09TC1	L12TC1	L18TC1	L24TC1
Power Supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50
Cooling	Capacity	kW	2,62 (0,94-3,30)	3,520 (0,6-3,75)	5,140 (1,25-5,91)	7,02 (1,83-8,00)
	Cooling Power Input nom (min-max)	kW	0,811 (0,24-1,380)	1,053 (0,16-1,60)	1,567 (0,33-2,35)	2,118 (0,39-2,70)
	Cooling Rated Current	A	5,4 (1,2-8,0)	5,2 (1,3-9,0)	6,9 (1,5-12,0)	9,5 (1,7-13,0)
	SEER		6,4	6,7	6,8	7
	EER		3,2	3,3	3,3	3,3
	Energy Class		A++	A++	A++	A++
Heating	Capacity	kW	2,70 (1,0-3,81)	3,57 (0,6-3,90)	5,21 (1,25-6,07)	7,12 (1,85-8,0)
	Heating Power Input nom(min-max)	kW	0,726 (0,29-1,72)	0,954 (0,16-1,6)	1,376 (0,34-2,55)	1,864 (0,39-2,8)
	Heating Rated Current	A	4,8 (1,5-9,0)	4,9 (1,5-9,0)	6,2 (1,6-13,0)	8,4 (1,7-14,0)
	SCOP		4	4	4	4
	COP		3,7	3,7	3,8	3,8
	Energy efficiency class (moderate climate zone)		A+	A+	A+	A+
Wi-Fi*			+*	+*	+*	+*
Indoor Unit						
Dimensions (WxHxD)		mm	778×272×192	778×272×192	910×305×195	1005×321,5×220
Dimension of Package (WxHxD)		mm	840×335×255	840×335×255	979×380×265	1096×390×297
Weight Netto		kg	7,3	8,5	9	12
Weight Brutto		kg	9,5	10,5	11	14
Air Flow Volume		m^3/h	550/520/490/450/410/370/330	550/520/470/440/410/390/350	800/760/690/630/580/540/440	1000/950/880/780/730/680/570
Sound Pressure 1m Distance		dB (A)	42/38/36/32/30/26/22	44/40/38/35/31/27/22	47/43/40/37/34/31/27	52/48/44/42/40/35/30
Sound Power		dB (A)	53/49/46/43/39/35/32	54/50/47/44/40/36/32	56/53/50/47/44/41/37	62/59/53/49/47/44/40
Outdoor Unit						
Dimension (WxHxD)		mm	712×459×276	777×498×290	853×602×349	920×699×380
Dimension of Package (WxHxD)		mm	765×481×310	818×515×325	890×628×385	949×732×392
Weight Netto		kg	20	22,5	30	37,5
Weight Brutto		kg	22	24	32,5	40,5
Air Flow Volume		m^3/h	1700	1900	2600	3000
Sound Pressure 1m Distance		dB (A)	54	54	55	57
Sound Power		dB (A)	62	63	65	67
Connection Pipe	Pipe Diameters	in/mm	1/4"-3/8" (Ø6,35-Ø9,53)	1/4"-3/8" (Ø6,35-Ø9,53)	1/4"-3/8" (Ø6,35-Ø9,53)	1/4"-1/2" (Ø6,35-Ø12,70)
	Refrigerant R32 Charge	kg	0,52	0,53	0,78	1
	Additional Refrigerant	g/m	15	15	25	25
	Track Length without Additional Refrigerant	m	5	5	5	5
	Max. Distance Length	m	25	25	25	25
	Max. Elevation	m	10	10	10	10
Cables and Protection Devices	Power Cable	mm^2	3×1,5	3×1,5	3×1,5	3×1,5
	Automatic Switch	A	10	16	16	20
	Communication Cable	mm^2	4×0,75	4×0,75	4×0,75	4×0,75
Cooling Operation Ambient Temperature Range		°C	-15-53	-15-53	-15-53	-15-53
Heating Operation Ambient Temperature Range		°C	-20-30	-20-30	-20-30	-20-30

*Remote control of the device requires additional Wi-Fi module integration. For purchasing the additional Wi-Fi module, please contact NØRDIS sales representatives.
Specifications may be changed without prior notice. For the actual device specifications, refer to the labels on the device.

NØRDIS Sirius

SPLIT-TYPE AIR CONDITIONERS – AIR-TO-AIR HEAT PUMPS

2 colors | Inverter | R32

EFFICIENT HEATING AND COOLING
from -20°C to +53°C Temperature Range

SMART DRYING
maintains the correct humidity level

SELF-CLEANING AND DISINFECTION AT 56°C

6 FAN SPEEDS
for different airflow needs.

"I FEEL" TECHNOLOGY
for smart temperature control

SLEEP MODE
for enhanced comfort and quality sleep

*ADDITIONAL MODULE FOR REMOTE CONTROL
the Wi-Fi module lets you control your air conditioner directly from your smartphone (Android and iOS). With the app, you can switch your air-to-air heat pump on or off remotely, manage its functions, and schedule operation anytime, anywhere

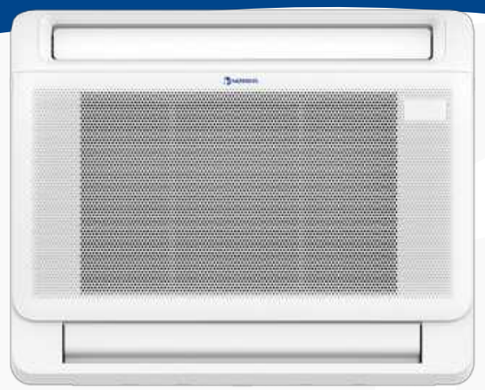
Model			S09TC1	S12TC1	S18TC1	S24TC1
Power Supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50
Cooling	Capacity	kW	2,6 (0,94-3,30)	3,4 (1,00-3,77)	5,1 (1,25-5,91)	6,8 (1,83-7,80)
	Cooling Power Input nom (min-max)	kW	0,82 (0,24-1,38)	1,13 (0,29-1,50)	1,58 (0,33-2,34)	2,25 (0,41-2,82)
	Cooling Rated Current	A	4,0 (1,2-8,0)	5,8 (1,5-9,0)	8,1 (1,7-12,0)	10,7 (2,3-12,3)
	SEER		6,1			
	EER		3,17	3	3,22	3
	Energy Class		A++			
Heating	Capacity	kW	2,61 (0,94-3,36)	3,42 (1,00-3,81)	5,10 (1,25-6,07)	6,87 (1,85-7,90)
	Pdesign capacity (-10°C, average climate zone) nom (min-max)	kW	0,76 (0,24-1,55)	1,00 (0,29-1,72)	1,37 (0,34-2,52)	2,06 (0,42-3,00)
	Power Input nom (min-max)	A	3,8 (1,2-9,0)	5,1 (1,5-10,0)	7,0 (1,7-13,0)	9,9 (2,3-13,5)
	Rated Current		1,9	2	3,6	4,5
	SCOP		4			
	COP		3,43	3,42	3,72	3,33
	Energy Class		A+			
Wi-Fi*			+*			
Indoor Unit						
Dimensions (WxHxD)		mm	698×255×190	777×250×201	910×294×206	1010×315×220
Dimension of Package (WxHxD)		mm	764×325×257	840×315×260	979×372×277	1096×390×297
Weight Netto		kg	6,5	7,5	10	13
Weight Brutto		kg	8,5	10	13	16
Air Flow Volume		m^3/h	420	550	800	980
Sound Pressure 1m Distance		dB (A)	40/37/33/25/22	40/37/33/25/22	43/41/38//35/27	44/41/38/34/30
Sound Power		dB (A)	50/47/43/35/32	50/47/43/35/32	53/50/47/43/36	54/51/48/44/40
Outdoor Unit						
Dimension (WxHxD)		mm	712x276x459	712x276x459	853x349x602	853x349x602
Dimension of Package (WxHxD)		mm	765×310×481	765×310×481	890×385x628	960×400x732
Weight Netto		kg	22	22	35	40
Weight Brutto		kg	24	24	38	43
Air Flow Volume		m^3/h	1700	1700	2600	3000
Sound Pressure 1m Distance		dB (A)	50	50	55	57
Sound Power		dB (A)	60	60	65	67
Connection Pipe	Pipe Diameters	in/mm	"1/4"-3/8""/ (Ø6,35-Ø9,52)"	"1/4"-3/8"/ (Ø6,35-Ø9,52)"	"1/4"-3/8"/ (Ø6,35-Ø9,52)"	"1/4"-1/2"/ (Ø6,35-Ø12)"
	Refrigerant R32 Charge	kg	0,45	0,49	1	1,14
	Additional Refrigerant	g/m	15	15	25	25
	Track Length without Additional Refrigerant	m	5	5	5	5
	Max. Distance Length	m	25	25	25	25
	Max. Elevation	m	10	10	10	10
Cables and Protection Devices	Power Cable	mm^2	3×1,5	3×1,5	3×1,5	3×1,5
	Automatic Switch	A	16	16	16	25
	Communication Cable	mm^2	4×0,75	4×0,75	4×0,75	4×0,75
Cooling Operation Ambient Temperature Range		°C	-15-53	-15-53	-15-53	-15-53
Heating Operation Ambient Temperature Range		°C	-20-30	-20-30	-20-30	-20-30

*Remote control of the NØRDIS SIRIUS unit requires an additional integrated Wi-Fi module.

Specifications may be changed without prior notice. For the actual device specifications, refer to the labels on the device.

NØRDIS Console NIR-NOA 12

SPLIT TYPE AIR CONDITIONERS – AIR-TO-AIR HEAT PUMPS



WiFi | Inverter Technology | R32

EFFICIENT HEATING AND COOLING

with double-sized air outlet vents

SIGNIFICANTLY QUIETER

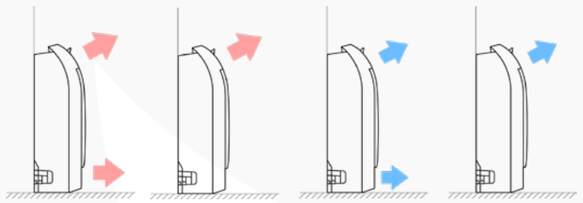
a specially designed fan ensures significantly quieter operation of the unit.

ION GENERATOR

the built-in ion generator neutralizes airborne pollutants.

FOR SMART CONTROL

built-in Wi-Fi module for smart control by mobile phone



TWO SELECTABLE AIRFLOW DIRECTIONS

allow for comfortable air movement control according to individual needs throughout the year.

Models			NIR-NOA 12
Power Supply		V/Ph/Hz	220-240~/ 1 /50
Cooling	Capacity	kW	3,52 (0,77-4,10)
	Cooling Power Input (min-nom-max)	kW	1020 (174-1333)
	Rated Current	A	4,54 (1,4-5,89)
	Rated Supply Current	A	4,52
	SEER		7,3
	Energy Class		A++
	EER		3,52
Heating	Capacity	kW	3,81 (0,46-4,39)
	Capacity Pdesign (-10°C, temperate zone)	kW	2,6
	Heating Power Input (min-nom-max)	kW	1090 (149-1418)
	Rated Current	A	4,74 (1,24-6,26)
	Rated Supply Current	A	4,43
	SCOP		4
	Energy Class (medium climate zone)		A+
	COP		3,89
Wi-Fi		+/-	+
Indoor Unit			
Dimension (WxHxD)		mm	793x621x200
Dimension of Package (LxWxH)		mm	850x704x265
Weight Netto		kg	14,9
Weight Brutto		kg	18,8
Air Flow Volume		m^3/h	620/520/420
Sound Pressure Level (at a distance of 1 m)		dB (A)	41.5/38/33.5
Sound Power		dB (A)	58
Outdoor Unit			
Dimension (WxHxD)		mm	765x303x555
Dimension of Package (LxWxH)		mm	887x337x610
Weight Netto		kg	26,6
Weight Brutto		kg	29
Air Flow Volume		m^3/h	2200
Sound Pressure Level (at a distance of 1 m)		dB (A)	54
Sound Power		dB (A)	62
Connection Pipe	Pipe Diameters	mm (in)	6.35(1/4)/9.52(3/8)
	Refrigerant Charge R32	kg	0.72
	Additional Refrigerant	g/m	12
	Length of Track Without Additional Refrigerant	m	5
	Max. Distance Length	m	25
	Max. Elevation	m	10
Power Cable	Power Cable	mm^2	3x1,5
	Automatic Switch	A	16
	Communication Cable	mm^2	4x1,0
Cooling Operation Ambient Temperature Range		°C	-15~50
Heating Operation Ambient Temperature Range		°C	-20~24
Specifications are subject to change without notice. For the actual device specifications, please refer to the labels on the unit.			

Create Your Own Multi-Split System

The NØRDIS Multi-Split system is the perfect choice for customized comfort in your home. This flexible solution allows a single outdoor unit to connect up to 5 indoor units, making it easy to personalize the climate for different rooms or floors according to individual needs.

The Multi-Split system is compatible with NØRDIS air conditioner series – Galaxy, Orion Evo, Lyra, Sirius as well as cassette, duct and console – giving you access to the latest advanced features.

Enjoy precise temperature control and ultimate comfort in multiple spaces with just one outdoor unit. Personalize your home environment for every family member with the NØRDIS Multi-Split system.

Indoor Unit
NØRDIS FMA CASSETTE

WiFi · Inverter Technology · R32

Indoor Unit
NØRDIS FMA DUCT

WiFi · Inverter Technology · R32

Indoor Unit
NØRDIS FMA CONSOLE

WiFi · Inverter Technology · R32

Indoor Unit
NØRDIS GALAXY

2 colors · WiFi · Inverter Technology · R32

Indoor Unit
NØRDIS ORION EVO

WiFi · Inverter Technology · R32

Indoor Unit
NØRDIS LYRA

WiFi · Inverter Technology · R32

Indoor Unit
NØRDIS SIRIUS

2 colors · WiFi · Inverter Technology · R32

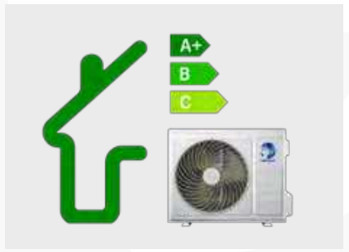
Heat and Cool Multiple Separate Zones in Your Home

Space-Saving Solution

No need to install separate outdoor units for each air conditioner inside. The compact and quiet design of the outdoor unit therefore takes up less space than installing separate split systems.

Independent Device Management

The outdoor unit is connected to each indoor unit via a separate pipe, so that the settings for each indoor unit can be adjusted individually.



Optimised Performance and Energy Savings

One external device is much more efficient and energy saving. Advanced inverter heat pump technology allows you to achieve higher efficiency and energy savings through reduced electricity consumption.

Model - outdoor unit			FMA-14I2HD/DVO	FMA-18I2HD/DVO	FMA-27I3HD/DVO	FMA-32I4HD/DVO	FMA-42I5HD/DVO
Number of indoor units			1-2	1-2	1-3	1-4	1-5
Power supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50
Capacity	Cooling	kW	4,10 (1,20-4,85)	5,10 (1,23-5,60)	7,90 (2,80-8,80)	9,40 (3,10-10,20)	12,20 (3,30-13,10)
	Heating	kW	4,31 (1,25-5,20)	5,20 (1,29-5,75)	7,96 (2,45-8,80)	9,45 (2,55-10,20)	12,20 (3,30-13,10)
Current	Cooling	A	6,3	7,5	11,7	14,1 (1,8-17,0)	16,8 (3,2-24,0)
	Heating	A	5,9	6,2	10,1	13,0 (2,3-17,0)	15,8 (3,5-24,0)
Consumption	Cooling	kW	1,2	1,6	2,63	2,76	3,81
	Heating	kW	1,1	1,4	2,1	2,54	3,68
SEER			6.1 (A++)	6.1(A++)	6.1 (A++)	6.1 (A++)	6.1 (A++)
EER			3,29	3,3	3,23	3,4	3,2
SCOP			4.0 (A+)	4.0(A+)	4.0 (A+)	4.0 (A+)	4.0 (A+)
COP			3,71	3,9	3,71	3,71	3,31
Energy class			A++/A+				
Dimensions (WxHxD)		mm	853×602×349	853×602×349	920×699×380	990×910×340	990×910×340
Dimensions of package (WxHxD)		mm	890×628×385	890×628×385	960×732×400	1030×950×430	1030×950×430
Weight Netto/Bruto		kg	29/31	31/33	42/45	68/80	73/85
Air flow volume		m^3/h	2600	2600	3000	4000	4000
Sound power		dB (A)	65	65	67	70	70
Sound pressure level 1m distance		dB (A)	52	52	55	58	60
Refrigerant liquid			R32	R32	R32	R32	R32
Refrigerant charge		kg	0,83	1,1	1,5	2,2	3
Max pipe length without additional refrigerant (1)		m	5	5	5	5	5
Additional refrigerant		g/m	15	15	15	15	15
Max. Distances for each indoor unit	Elevation	m	10	10	10	10	10
	Length	m	15	15	15	15	15
Power cable		mm^2	3×1,5	3×1,5	3×2,5	3×2,5	3×2,5
Automatic switch		A	16	16	16	25	32
Cooling operation temperature range		°C	-15-+53	-15-+54	-15-+55	-15-+56	-15-+57
Heating operation temperature range		°C	-20-+30	-20-+31	-20-+32	-20-+33	-20-+34
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.							

Multi-Split System Combinations

FMA-14I2HD/DVO		FMA-18I2HD/DVO		FMA-27I3HD/DVO	
1 Indoor Unit	2 Indoor Unit	1 Indoor Unit	2 Indoor Unit	2 Indoor Unit	3 Indoor Unit
09	09+09	09	09+09	09+09	09+09+09
12	09+12	12	09+12	09+12	09+09+12
		18	09+18	09+18	09+09+18
			12+12	12+12	09+12+18
				12+18	12+12+12
				18+18	

FMA-32I4HD/DVO			FMA-42I5HD/DVO			
2 Indoor Unit	3 Indoor Unit	4 Indoor Unit	2 Indoor Unit	3 Indoor Unit	4 Indoor Unit	5 Indoor Unit
09+09	09+09+09	09+09+09+09	09+09	09+09+09	09+09+09+09	09+09+09+09+09
09+12	09+09+12	09+09+09+12	09+12	09+09+12	09+09+09+12	09+09+09+09+12
09+18	09+09+18	09+09+09+18	12+12	09+12+12	09+09+09+18	09+09+09+09+18
12+12	09+12+18	09+09+12+12	09+18	09+09+18	09+09+12+12	09+09+09+12+12
12+18	12+12+18		12+18	09+12+18	09+09+12+18	09+09+09+12+18
18+18			18+18	12+12+12	09+12+12+12	09+09+09+18+18
				12+12+18	09+12+12+18	09+09+12+12+12
				12+18+18	09+12+18+18	09+09+12+12+18
				18+18+18	09+18+18+18	09+12+12+12+12
					12+12+12+12	09+12+12+12+18
					12+12+12+18	12+12+12+12+12
					12+12+18+18	

Multi-Split System Air Conditioners Indoor Units

NØRDIS Galaxy

2 colors | WiFi | Inverter Technology | R32

Model			G09TC1	G12TC1
Power Supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50
Capacity	Cooling	kW	2,72(0,94-3,81)	3,58(1,00-4,00)
	Heating	kW	3,55(0,94-4,30)	3,90(1,00-4,50)
Wi-Fi		+/-	+	+
Indoor Unit				
Dimensions (WxHxD)		mm	909×305×209	909×305×209
Dimension of Package (WxHxD)		mm	981×375×275	981×375×275
Weight Netto		kg	10,4	10,4
Weight Brutto		kg	13,2	13,2
Air Flow Volume		m^3/h	820/750/700/640/600/540/500	820/750/700/640/600/540/500
Sound Pressure 1m Distance		dB (A)	46/42/39/36/33/30/28	46/42/39/36/33/30/28
Sound Power		dB (A)	56/50/45/42/39/36/33	56/50/45/42/39/36/33
Communication Cable		mm^2	4×0,75	4×0,75
Refrigerant Pipe		inch/mm	64	64
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.				

NØRDIS Orion Evo

WiFi | Inverter Technology | R32

Model			OE09TC1	OE12TC1	OE18TC1	OE24TC1
Power Supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50
Capacity	Cooling	kW	2,61 (0,94-3,70)	3,52 (1,00-4,60)	5,2 (1,25-5,9)	7,0 (1,8-7,8)
	Heating	kW	3,32 (0,94-4,00)	3,86 (1,00-4,90)	5,50 (1,25-6,69)	7,10 (1,85-7,96)
Wi-Fi		+/-	+	+	+	+
Indoor Unit						
Dimensions (WxHxD)		mm	820×306×195	820×306×195	920×306×195	1100×333×222
Dimension of Package (WxHxD)		mm	890×380×265	890×380×265	990×380×265	1165×405×295
Weight Netto		kg	9	9	10	11
Weight Brutto		kg	11	11	13	17
Air Flow Volume		m^3/h	680/650/610/ 570/540/500/460	680/650/610/ 570/540/500/460	900/810/760/700/ 650/590/530	1150/1070/1010/ 940/890/830/750
Sound Pressure 1m Distance		dB (A)	44/41/37/ 34/29/25/19	44/41/37/ 34/29/25/19	47/42/40/ 38/36/34/32	50/44/40/ 37/34/30/26
Sound Power		dB (A)	54/50/47/ 44/39/35/29	54/50/47/ 44/39/35/29	57/52/50/48/ 46/44/42	60/54/50/ 47/44/40/36
Communication Cable		mm^2	4x0,75	4x0,75	4x0,75	4x0,75
Refrigerant Pipe		inch/mm	1/4''-3/8''/ (Ø6,35-Ø9,52)	1/4''-3/8''/ (Ø6,35-Ø9,52)	1/4''-1/2''/ (Ø6,35-Ø12,70)	1/4''-1/2''/ (Ø6,35-Ø12,70)
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.						

NØRDIS Lyra

Inverter Technology | R32

Model			L09TC1	L12TC1	L18TC1	L24TC1
Power Supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50
Capacity	Cooling	kW	2,62 (0,94-3,30)	3,520 (0,6-3,75)	5,140 (1,25-5,91)	7,02 (1,83-8,00)
	Heating	kW	2,70 (1,0-3,81)	3,57 (0,6-3,90)	5,21 (1,25-6,07)	7,12 (1,85-8,0)
Wi-Fi		+/-	+*	+*	+*	+*
Indoor Unit						
Dimensions (WxHxD)		mm	778×272×192	778×272×192	910×305×195	1005×321,5×220
Dimension of Package (WxHxD)		mm	840×335×255	840×335×255	979×380×265	1096×390×297
Weight Netto		kg	7,3	8,5	9	12
Weight Brutto		kg	9,5	10,5	11	14
Air Flow Volume		m^3/h	550/520/490/ 450/410/370/330	550/520/470/ 440/410/390/350	800/760/690/ 630/580/540/440	1000/950/880/ 780/730/680/570
Sound Pressure 1m Distance		dB (A)	42/38/36/32/30/26/22	44/40/38/35/31/27/22	47/43/40/37/34/31/27	52/48/44/42/40/35/30
Sound Power		dB (A)	53/49/46/43/39/35/32	54/50/47/44/40/36/32	56/53/50/47/44/41/37	62/59/53/49/47/44/40
Communication Cable		mm^2	4×0,75	4×0,75	4×0,75	4×0,75
Refrigerant Pipe		inch/mm	1/4"-3/8" (Ø6,35-Ø9,53)	1/4"-3/8" (Ø6,35-Ø9,53)	1/4"-3/8" (Ø6,35-Ø9,53)	1/4"-1/2" (Ø6,35-Ø12,70)
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.						

NØRDIS Sirius

2 colors | Inverter Technology | R32

Model			S09TC1	S12TC1	S18TC1	S24TC1
Power Supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50
Capacity	Cooling	kW	2,6 (0,94-3,30)	3,4 (1,00-3,77)	5,1 (1,25-5,91)	6,8 (1,83-7,80)
	Heating	kW	2,61 (0,94-3,36)	3,42 (1,00-3,81)	5,10 (1,25-6,07)	6,87 (1,85-7,90)
Wi-Fi*		+/-	+*	+*	+*	+*
Indoor Unit						
Dimensions (WxHxD)		mm	698×255×190	777×250×201	910×294×206	1010×315×220
Dimension of Package (WxHxD)		mm	764×325×257	840×315×260	979×372×277	1096×390×297
Weight Netto		kg	6,5	7,5	10	13
Weight Brutto		kg	8,5	10	13	16
Air Flow Volume		m^3/h	420	550	800	980
Sound Pressure 1m Distance		dB (A)	40/37/33/25/22	40/37/33/25/22	43/41/38//35/27	44/41/38/34/30
Sound Power		dB (A)	50/47/43/35/32	50/47/43/35/32	53/50/47/43/36	54/51/48/44/40
Communication Cable		mm^2	4×0,75	4×0,75	4×0,75	4×0,75
Refrigerant Pipe		col/mm	1/4''-3/8''/ (Ø6,35-Ø9,52)	1/4''-3/8''/ (Ø6,35-Ø9,52)	1/4''-3/8''/ (Ø6,35-Ø9,52)	1/4''-1/2''/ (Ø6,35-Ø12)
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.						

NØRDIS FMA series

MULTI SPLIT TYPE CASSETTE AIR CONDITIONERS – AIR-TO-AIR HEAT PUMPS

WiFi Inverter Technology R32

Model			FMA-12CRD/DVI	FMA-18CRD/DVI
Power supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50
Cooling	Capacity	kW	3,51	5,27
	Power Input	W	37	40
	Rated Current	A	0,17	0,18
Heating	Capacity	kW	3,95	5,74
	Power Input	W	37	40
	Rated Current	A	0,17	0,18
Indoor sound pressure(S/H/M/L/Mute)		dB (A)	42/40/38/36/44/30/27	46/43/40/38/36/32/28
Air Flow Volume		m^3/h	650	750
Connecting Pipe	Liquid	Inches	1/4"	1/4"
	Gas	Inches	3/8''	3/8''
	Maximum length for each indoor unit	m	25	25
	Maximum height difference	m	15	15
	Track Length without Additional Refrigerant	m/indoor unit	5	5
	Extra weight charge	g/m	15	15
Dimensions (WxHxD)	Indoor	mm	570x570x245	570x570x245
Dimension of Package (WxHxD)	Indoor	mm	718×657×301	718×657×301
Weight Netto	Indoor	kg	2,7	2,7
Weight Brutto	Indoor	kg	4,25	4,25
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.				

EIGHT-WAY SWING
comfortable air is delivered to every corner. The uniform air supply reduces temperature differences and keeps the indoor environment consistently comfortable.

WIDE RANGE OF SWING ANGLE
large louver swing angle, ranges from 0-85°, sends soft air to any corner of the room easily.

EASY FILTER CLEANING
the filter is very easy to disassemble and clean, keeping the air healthy all the time.

FOR SMART CONTROL
connect the device with one click to turn on.

QUIET OPERATION
air circuit design and 3D fan blade selection, increase the unit airflow and reduce operating noise, which can be as low as 34dB.

+8 °C FUNCTION
for maintaining a constant temperature in non-permanent living spaces.

"I FEEL" TECHNOLOGY
for smart temperature control.

NØRDIS FMA series

MULTI SPLIT TYPE DUCT AIR CONDITIONERS – AIR-TO-AIR HEAT PUMPS

WiFi | Inverter Technology | R32

200MM ULTRA-THIN DESIGN

the 200 mm ultra-thin body is ideal for concealed installation, significantly reducing the required installation space and allowing it to blend with various interior design styles.

WIDE RANGE OF STATIC PRESSURE

static pressure can reach 120Pa. Duct can be connected for providing comfortable flow to multiple areas.

QUIET OPERATION

high efficiency DC fan motor and optimised air duct design enables 35dB quiet operation.

+8 °C FUNCTION

for maintaining a constant temperature in non-permanent living spaces.

RESERVED FRESH AIR DUCT

maximum intake of 15% of fresh air volume make indoor air healthier and more comfortable.

"I FEEL" TECHNOLOGY

for smart temperature control.

*ADDITIONAL MODULE FOR REMOTE CONTROL

remote control requires additional Wi-Fi module integration. For purchasing the additional Wi-Fi module, please contact NØRDIS sales representatives.

The Wi-Fi module allows you to control the air conditioner using a smartphone (OS: Android, iOS). With the app, you can remotely turn the air conditioner – heat pump on and off, manage its functions, and schedule its operation anytime, anywhere.

Model			FMA-09DRD/DVI	FMA-12DRD/DVI	FMA-18DRD/DVI
Power supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1/50
Cooling	Capacity	kW	2,63	3,51	5,27
	Power Input	W	35	35	48
	Rated Current	A	0,16	0,16	0,21
Heating	Capacity	kW	2,78	3,95	5,74
	Power Input	W	35	35	48
	Rated Current	A	0,16	0,16	0,21
Indoor sound pressure (S/H/M/L/Mute)		dB (A)	43/41/39/37/34/30/27	43/41/39/37/34/30/27	46/43/40/38/36/32/28
Indoor sound power (S/H/M/L/Mute)		dB (A)	55/52/49/47/44/40/37	55/52/49/47/44/40/37	56/53/50/48/46/42/38
Air Flow Volume		m^3/h	600	600	850
Connecting Pipe	Liquid	Inches	1/4"	1/4"	1/4"
	Gas	Inches	3/8"	3/8"	3/8"
	Maximum length for each indoor unit	m	25	25	25
	Maximum height difference	m	15	15	15
	Track Length without Additional Refrigerant	m/indoor unit	5	5	5
	Extra weight charge	g/m	15	15	15
Dimensions (WxHxD)	Indoor	mm	700×490×200	700×490×200	920×490×200
Dimension of Package (WxHxD)	Indoor	mm	900×555×250	900×555×250	1120×555×250
Weight Netto	Indoor	kg	15	15	18
Weight Brutto (excluding wire control)	Indoor	kg	18	18	21

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

NØRDIS FMA series

MULTI SPLIT TYPE CONSOLE AIR CONDITIONERS – AIR-TO-AIR HEAT PUMPS

WiFi | Inverter | R32

7-FAN SPEED

7 fan speeds are available in the console unit: (mute/low/low-mid/mid/mid-high/high/turbo).

EASY-WASHABLE FILTER

The grill and filter are easy to be removed, which is easy for cleaning.

TOP & BOTTOM AIR FLOW

The unit can provide both top and bottom air supply to users, provide excellent air flow comfort in both cooling & heating modes.

+8 °C FUNCTION

for maintaining a constant temperature in non-permanent living spaces

LOW NOISE DESIGN

Air circuit design and 3D fan blade selection, increase the unit airflow and reduce operating noise, which can be as low as 34dB.

"I FEEL" TECHNOLOGY

for smart temperature control

Model			FMA-09CON/DVI	FMA-12CON/DVI	FMA-18CON/DVI
Power supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1/50
Cooling	Capacity	kW	2,63	3,51	5,27
	Power Input	W	35	37	48
	Rated Current	A	0,15	0,17	0,21
Heating	Capacity	kW	2,78	3,95	5,74
	Power Input	W	35	37	48
	Rated Current	A	0,15	0,17	0,21
Indoor sound pressure (S/H/M/L/Mute)		dB (A)	44/42/39/36/ 33/30/27	44/42/39/36/ 33/30/27	46/43/40/38/ 36/32/28
Air Flow Volume		m^3/h	650	650	800
Connecting Pipe	Liquid	Inches	1/4"	1/4"	1/4"
	Gas	Inches	3/8''	3/8''	3/8''
	Maximum length for each indoor unit	m	25	25	25
	Maximum height difference	m	15	15	15
	Track Length without Additional Refrigerant	m/indoor unit	5	5	5
	Extra weight charge	g/m	15	15	15
Dimensions (WxHxD)	Indoor	mm	700×600×215	700×600×215	700×600×215
Dimension of Package (WxHxD)	Indoor	mm	775×725×280	775×725×280	775×725×280
Weight Netto	Indoor	kg	14,5		
Weight Brutto (excluding wire control)	Indoor	kg	16,5		
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.					

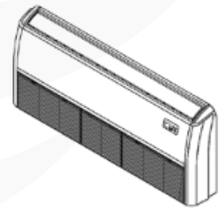
Air Conditioners Air-to-Air Heat Pumps

COMMERCIAL PREMISES AND PUBLIC SPACES

Floor-Ceiling Air Conditioners

R32

Inverter air conditioners for small offices, public spaces, hotel rooms, classrooms and auditoriums, apartments, etc.



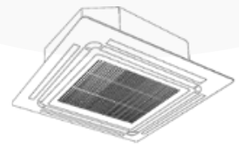
6 MODELS

- Power range from 5,28 to 15,83 kW

Four-Way Cassette Air Conditioners

R32

Inverter air conditioners for restaurants, shops, small offices, public spaces, libraries, apartments, and more.



9 MODELS

- Power from 3,52 to 15,24 kW

Ducted Air Conditioners

R32

Inverter air conditioners for restaurants, shops, small offices, public spaces, classrooms and auditoriums, apartments, etc.

6 MODELS

- Power from 5,28 to 14,07 kW

Air Conditioners Air-to-Air Heat Pumps

INNOVATIVE TECHNOLOGY SOLUTIONS

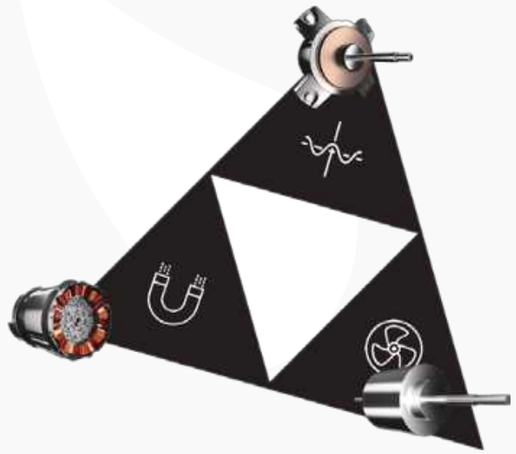
NØRDIS light commercial air conditioners are advanced systems designed to deliver optimal performance, low noise levels, and easy installation and maintenance. They are ideal for both residential and commercial environments where efficient heating or cooling is required.

With their modern design and advanced technological solutions, NØRDIS light commercial air conditioners not only ensure superior comfort but also outstanding energy efficiency, supporting sustainable energy use.

Full DC Inverter System

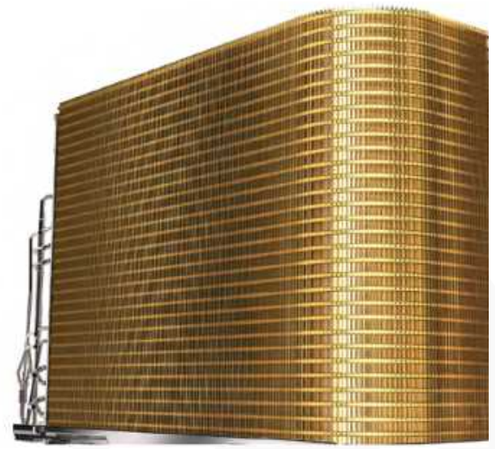
By precisely receiving and processing temperature data signals, the Alpha chip can optimize performance in two ways. On one hand, it instructs the inverter compressor and the two DC fan motors to operate in the most suitable mode for the actual cooling or heating demand, thereby reducing energy waste. On the other hand, it supplies the exact amount of electricity required by the two fan motors in sync with the compressor's operation.

This dynamic power regulation ensures a constant system balance, allowing the air conditioner to deliver powerful, efficient, and stable performance even during extended periods of operation.



Golden Fin

The system takes into account not only conventional factors, but also air resistance and the temperature difference between the outdoor air and the heat exchanger to determine the defrosting operation. A more precise defrosting frequency prevents unnecessary defrosting, allowing users to benefit from reduced energy waste and longer, uninterrupted heating.



Fan with bionic blades and improved air duct

Bionic blade design, inspired by nature, reduces air resistance and noise—while the optimised air duct cuts energy use by 30% without compromising airflow.

Twin-Rotary Compressor

With its 180° symmetrical balance, the Twin-Rotary compressor guarantees smoother performance, lower vibrations, and quieter operation.

Low-Noise Technology

The bionic fan blade design is inspired by a nocturnal animal—the owl—whose wings feature optimal aerodynamic performance and natural noise-reduction characteristics. By imitating part of the owl's wing structure, the fan blade design ensures a stable airflow, increasing air volume while minimizing noise.

The Twin-Rotary compressor system operates with a perfectly symmetrical 180° balance, ensuring low vibrations and quiet performance thanks to reduced torque.

NØRDIS Floor-Ceiling Air Conditioners

SPLIT TYPE AIR CONDITIONERS - AIR-TO-AIR HEAT PUMPS

Inverter technology · R32

Flexible Installation and Versatile Design

NØRDIS air conditioners NIF-NOA can be installed in two ways - as a floor or ceiling unit.

With its compact design and minimalist appearance, it adapts not only to a wide range of installation conditions, but also to a wide range of interiors.

3D Airflow

The unit features both horizontal swing and automatic vertical swing, delivering a more even and comfortable airflow.

Clean, Fresh Air

Fresh outdoor air can be introduced into the room through a connection duct, keeping the indoor air fresh and healthy.

Built-in Drain Pump

The drain pump can lift condensate water up to 750 mm, making drainage pipe installation convenient in most conditions.

Easy Maintenance

Over 60% of parts and components (such as fan wheels, plastic housings, metal parts, etc.) are universal across 3 different structures, making production and maintenance much easier.

Flexible Wi-Fi Control Solutions

LCAC units offer two Wi-Fi control options: the WF-60A1 Wi-Fi module or the KJR-120N wired controller with built-in Wi-Fi. The KJR-120N eliminates the need for an additional module, simplifying installation while enabling full smartphone control.

NØRDIS Floor-Ceiling Air Conditioners Technical Data

Model			NIF-NOA 18	NIF-NOA 24	NIF-NOA 36	NIF-NOA 36-3	NIF-NOA 48-3	NIF-NOA 55-3
Cooling	Capacity	kW	5,28 (2,71-5,86)	7,03 (3,22-7,77)	10,55 (2,73-11,43)	10,55 (2,73-11,78)	14,07 (3,52-15,24)	15,83 (4,10-16,71)
	Electricity Consumption	W	1450 (670-2027)	2300 (747-2930)	3900 (900-4250)	4000 (890-4300)	5000 (900-5950)	5650 (1100-6650)
	Power Current	A	6,0 (3,2-9)	10,54 (3,9-13,1)	17,0 (4,2-19,0)	6,30 (1,4-6,80)	8,8 (1,9-10,3)	9,7 (3,2-11,5)
	SEER		6,2	6,1	6,2	6,4	6,1	6,1
	EER		3,64	3,3	3,25	3,30	3,29	3,36
Heating	Capacity	kW	5,57 (2,42-6,30)	7,62 (2,72-8,29)	11,72 (2,78-12,78)	11,72 (2,81-12,78)	16,12 (4,10-17,00)	18,17 (4,40-19,64)
	Electricity Consumption	W	1500 (540-1640)	2050 (650-2850)	3350 (800-3950)	3350 (780-3950)	5100 (1000-6050)	6050 (1050-7100)
	Power Current	A	6,6 (2,7-7,3)	9,5 (3,5-12,7)	15,0 (3,5-17,5)	5,40 (1,3-6,20)	8,9 (2,1-10,5)	10,5 (2,2-12)
	SCOP		5,1	5,1	5,1	5,1	5,1	5,1
	COP		3,71	3,72	3,80	3,87	3,75	3,73
Energy Class			A++/A+					
Indoor Unit	Power Supply	V/F/Hz	220-240~/ 1 /50	220-240~/ 1 /50	220-240 ~/ 1 /50	220-240~/ 1 /50	220-240~/ 1 /50	220-240~/ 1 /50
	Dimension (WxHxD)	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
	Dimension of Package (LxWxH)	mm	1145x755x318	1145x755x318	1725x755x318	1725x755x318	1725x755x318	1725x755x318
	Weight Netto/Bruto	kg	28/33,3	28/33,1	41,5/48	41,5/48	41,7/48,5	42,3/49,2
	Air Flow Volume	m^3/h	958/839/723	1192/1023/853	1955/1728/1504	1955/1728/1504	2100/1850/1600	2200/1950/1650
	Sound Pressure Level	dB (A)	43,5/41/36,5/24	49/46/43/32	50/48,5/44/37	51/47,5/44,5/39	53/50/45/36	54/50,5/46,5/38
Outdoor Unit	Power Supply	V, Hz, F	220-240~/1/50	220-240~/1/50	220-240~/1/50	380-415~/3/50	380-415~/3/50	380-415~/3/50
	Dimension (WxHxD)	mm	765x555x303	890x673x342	890x673x342	946x810x410	980x975x415	980x975x415
	Dimension of Package (WxHxD)	mm	887x610x337	995x740x398	995x740x398	1090x885x500	1145x1080x500	1145x1080x500
	Weight Netto/Bruto	Kg	26,6/29	41,9/45,2	43,9/46,9	52,8/57,3	90/105	92/107
	Max. Air Flow Volume	m^3/h	2200	3500	3500	3800	5600	5600
	Sound power	dB (A)	65	69	68	70	73	74
Refrigerant Liquid	Refrigerant Charge R32	kg	0,72	1,15	1,5	2	2,4	2,4
	GWP		675	675	675	675	675	675
	Additional Refrigerant	g/m	12	24	24	24	24	24
Connection Pipe	Pipe Diameters	mm(in)	6,35 (1/4)/9,52 (3/8)	9,52 (3/8)/15,88(5/8)	9,52 (3/8)/15,88 (5/8)	9,52 (3/8)/15,88 (5/8)	9,52 (3/8)/15,88 (5/8)	9,52 (3/8)/15,88 (5/8)
	Max. Distance Length	m	25	30	50	50	75	75
	Max. Elevation	m	10	20	25	25	30	30
Power Cable	Power Cable	mm^2	3x1,5	3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
	Automatic Switch	A	16	25	32	16	20	20
	Communication Cable	mm^2	4x1,0	4x1,0	4x1,0	4x1,0	4x1,0	4x1,0
Operation Temperature Range	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
Specifications may be changed without prior notice. For the actual device specifications, refer to the labels on the device.								

NØRDIS Four-Way Cassette Air Conditioners

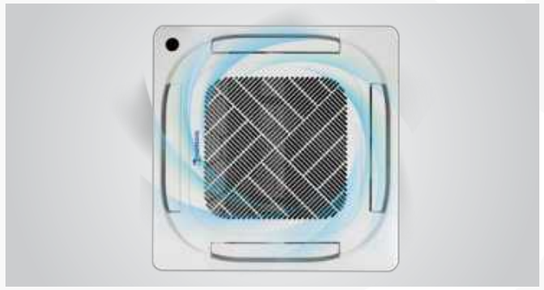
SPLIT TYPE AIR CONDITIONERS - AIR-TO-AIR HEAT PUMPS

WiFi | Inverter | R32

Wide Air Distribution and Versatile Design

The NØRDIS NIC-NOA air conditioner models distribute the air over a wide 360° range, making them ideal for use in large spaces.

The range of cassette air conditioners offers a wide choice of sizes and capacities, including compact yet powerful models that fit well in even the most delicate interiors.



CoolSurround 360°

The unique seamless air outlet blade design, combined with the DC fan motor, allows cool air to spread and flow downward in all directions at 360°, delivering a uniform cooling experience throughout the entire space.

Designed for Easy Installation

The ergonomically curved metal hook makes it easier to carry and lift the unit. The conveniently positioned water pump and pipe-connection installation method significantly reduce the steps required during installation.

Memory Function for Louver Position

The louvers automatically return to their previous position when you restart the air conditioner, letting you enjoy your preferred cooling settings every time you switch it on.

Built-in Drain Pump

The drain pump can lift condensate water up to 750 mm, making drainage pipe installation convenient in most conditions. It is suitable for grid ceilings and offers a high degree of installation flexibility, allowing it to be placed alongside lights and ventilation openings.

Flexible Wi-Fi Control Solutions

Wired controllers for LCAC units, ensuring convenient operation and reliable climate control. Selected models support Wi-Fi connectivity for remote smartphone access.

NØRDIS Cassette Air Conditioners Technical Data

Model			NIC-NOA 12	NIC-NOA 18	NIC-NOA 24	NIC-NOA 30	NIC-NOA 36	NIC-NOA 36-3	NIC-NOA 48-3	NIC-NOA 55-3
Cooling	Capacity	kW	3,52 (0,85-4,11)	5,28 (2,90-5,59)	7,03 (3,30-7,91)	8,79 (2,23-9,38)	10,55 (2,70-11,43)	10,55 (2,70-11,43)	14,07 (3,52-15,83)	15,24 (4,10-16,71)
	Electricity Consumption	W	1010 (168-1434)	1633 (720-2088)	2320 (780-2748)	2750 (190-3000)	3950 (900-4200)	4000 (890-4150)	4650 (800-5900)	5000 (980-6200)
	Power Current	A	4,45 (1,32-6,31)	7,2 (3,2-9,2)	10,2 (4,2-12)	12,0 (2,0-13,0)	17,5 (4,2-18,5)	6,5 (1,4-6,5)	8,1 (1,8-10,2)	8,6 (2,1-10,7)
	SEER		6,6	6,3	6,2	6,6	6,7	6,4	6,1	6,3
	EER		3,47	3,40	3,28	3,54	3,33	3,29	3,26	3,26
Heating	Capacity	kW	3,81 (0,47-4,31)	5,57 (2,37-6,10)	7,62 (2,81-8,94)	9,38 (2,70-9,73)	11,14 (2,78-12,30)	11,14 (2,78-12,66)	16,12 (4,10-17,29)	18,17 (4,40-19,93)
	Electricity Consumption	W	1019 (124-1376)	1540 (700-1930)	1900 (610-2700)	2450 (430-2550)	3000 (800-3950)	3000 (780-4000)	4580 (900-5500)	5550 (1020-6700)
	Power Current	A	4,73 (1,04-6,07)	6,8 (3,1-8,5)	8,5 (3,6-12,1)	11,0 (3,0-11,5)	13,5 (3,5-17,5)	5,0 (1,3-6,4)	8,0 (1,9-9,5)	9,6 (2,1-10,7)
	SCOP		4,1	4,0	4,0	4,2	4,0	4,0	4,0	4,0
	COP		3,74	3,57	4,01	3,83	3,71	3,71	3,73	3,76
Energy Class			A++/A+							
Indoor Unit	Power Supply	V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1 /50	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50
	Dimension (WxHxD)	mm	570x570x260	570x570x260	830x830x205	830x830x245	830x830x245	830x830x245	830x830x287	830x830x287
	Dimension of Package (WxHxD)	mm	662x662x317	662x662x317	910x910x250	910x910x290	910x910x290	910x910x290	910x910x330	910x910x330
	Panel Dimensions (WxDxH)	mm	647x647x50	647x647x50	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Dimension of Panel Package (LxWxH)	mm	715x715x123	715x715x123	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90
	Weight Netto/Bruto	kg	16,3/20,4	16/20,6	21,6/25,4	24,6/28,6	27,2/31,2	27,2/31,2	29,3/33,5	29,3/33,5
	Panel Weight Netto/Bruto	kg	2,5/4,5	2,5/4,5	6/9	6/9	6/9	6/9	6/9	6/9
	Air Flow Volume	m^3/h	620/510/420	720/620/500	1300/1140/1000	1720/1550/1400	1700/1550/1380	1800/1600/1400	1970/1780/1580	2000/1850/1650
	Sound Pressure Level	dB (A)	41/36/33/25,5	43/39,5/35,5/29	45,5/42,5/39,5/27	49,5/47/44/38,5	50/47,5/44,5/39	50/47,5/44,5/39	51/48,5/46,5/37,5	53/50,5/48/40
	Wi-Fi		Integrated							
Outdoor Unit	Power Supply	V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50	380-415~/3/50	380-415~/3/50	380-415~/3/50
	Dimension (WxHxD)	mm	765x555x303	805x554x330	890x673x342	946x810x410	946x810x410	946x810x410	980x975x415	980x975x415
	Dimension of Package (WxHxD)	mm	887x610x337	915x615x370	995x740x398	1090x885x500	1090x885x500	1090x885x500	1145x1080x500	1145x1080x500
	Weight Netto/Bruto	kg	26,6/29	32,5/35,2	41,9/45,2	51/55,7	80,5/85	66,9/71,5	90/105	92/107
	Max. Air Flow Volume	m^3/h	2200	2100	3500	3800	4000	4000	5600	5600
	Sound Power	dB (A)	60	63	69	70	70	70	73	74
Refrigerant Liquid	Refrigerant Charge R32	kg	0,72	1,15	1,5	2,0	2,4	2,4	2,9	3,0
	GWP		675	675	675	675	675	675	675	675
	Additional Refrigerant	g/m	12	12	24	24	24	24	24	24
Connection Pipe	Pipe Diameters	mm(in)	6,35(1/4)/9,52(3/8)	6,35(1/4)/12,7(1/2)	9,52 (3/8)/15,9 (5/8)	9,52(3/8)/ 15,88(5/8)	9,52(3/8)/ 15,88(5/8)	9,52(3/8)/ 15,88(5/8)	9,52(3/8)/ 15,88(5/8)	9,52(3/8)/ 15,88(5/8)
	Max. Distance Length	m	25	30	50	50	75	75	75	75
	Max. Elevation	m	10	20	25	25	30	30	30	30
Power Cable	Power Cable	mm^2	3x1,5	3x1,5	3x2,5	3x2,5	3x4,0	5x2,5	5x2,5	5x2,5
	Automatic Switch	A	16	16	25	25	32	16	20	20
	Communication Cable	mm^2	4x1,0	4x1,0	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5	4x1,5
Operation Temperature Range	Cooling	°C	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50
	Heating	°C	-20-24	-20-24	-20-24	-20-24	-20-24	-20-24	-20-24	-20-24
Specifications may be changed without prior notice. For the actual device specifications, refer to the labels on the device.										

NØRDIS Ducted Air Conditioners

SPLIT TYPE AIR CONDITIONERS - AIR-TO-AIR HEAT PUMPS

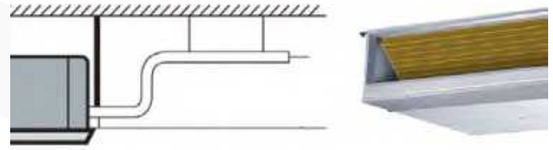
Inverter Technology | R32

Wide Air Distribution and Versatile Design

NORDIS NID-NOA air conditioner models can be conveniently installed in narrow spaces, beams or ceilings. High static pressure ducted air conditioner models guarantee maximum comfort in large spaces.

The air intake of the indoor unit can be connected to either the rear or the bottom of the unit, making it easily adaptable to any building and room.

22% smaller



Lightweight and Compact Design

With nearly 20% less weight and 12.5% smaller dimensions compared to conventional units, the A6 duct makes installation significantly easier and faster, while also providing more space for maintenance.

Built-in Drain Pump

The drain pump can lift condensate water up to 750 mm, making drainage pipe installation convenient in most conditions. In addition, it allows component replacement from the side where maintenance is easier.

Up to 160Pa High Static Pressure

With the new eccentric fan motor, the Nid-Noa ducted unit can be installed in various applications requiring high static pressure of up to 160Pa.

PrimeGuard Coating for Lasting Performance

The exclusive golden anti-corrosion coating on the heat exchangers is designed to withstand salty air, rain, and other corrosive elements. In addition, it effectively prevents bacterial growth and enhances thermal efficiency.

Flexible Wi-Fi Control Solutions

LCAC units offer two Wi-Fi control options: the WF-60A1 Wi-Fi module or the KJR-120N wired controller with built-in Wi-Fi. The KJR-120N eliminates the need for an additional module, simplifying installation while enabling full smartphone control.

NØRDIS Ducted Air Conditioners Technical Data

Model			NID-NOA 18	NID-NOA 24	NID-NOA 30	NID-NOA 36	NID-NOA 36-3	NID-NOA 48-3
Cooling	Capacity	kW	5,28 (2,55-5,86)	7,09 (3,23-792)	7,03 (3,28-8,16)	10,55 (2,75-11,73)	10,55 (2,73-11,78)	14,07 (3,52-15,53)
	Electricity Consumption	W	1530 (710-2150)	2280 (750-2860)	2500 (190-3050)	3950 (900-4300)	4000 (890-4200)	4800 (880-6000)
	Power Current	A	7,1 (3,2-9,56)	10 (4,2-12,6)	10,2 (4,2-13,2)	17,5 (4,2-19)	6,5 (1,4-6,7)	8,4 (1,9-10,4)
	SEER		6,5	6,6	6,5	6,3	6,1	6,1
	EER		3,45	3,11	2,81	2,67	2,64	2,93
Heating	Capacity	kW	5,57 (2,20-6,15)	8,0(2,79-8,56)	9,38 (2,70-10,02)	11,72(2,78-12,61)	11,72 (2,78-12,84)	16,12 (4,10-18,17)
	Electricity Consumption	W	1510 (740-1760)	2000 (640-2500)	2250 (430-2450)	3250 (800-3950)	3250 (780-4000)	4500 (950-5700)
	Power Current	A	7,1 (3,2-9,56)	9 (3,8-11)	11,0 (2,0-13,5)	14,5 (3,5-17,5)	6,5 (1,4-6,7)	8,4 (1,9-10,4)
	SCOP		4	5,6	4	4,1	4,0	4
	COP		3,69	4	4,17	3,61	3,61	3,58
Energy Class			A++/A+					
Indoor Unit	Power Supply	V/Ph/Hz	220-240~/ 1 /50	220-240~,1/50	220-240~/1/50	220-240~/ 1 /50	220-240~/1/50	220-240~/1/50
	Dimension (WxHxD)	mm	880x674x210	1000x750x245	1360x774x249	1200x750x245	1360x774x249	1200x874x300
	Dimension of Package (LxWxH)	mm	1070x725x280	1225x860x304	1570x805x330	1425x860x304	1570x805x330	1405x915x365
	Weight Netto/Bruto	kg	24,4/29,6	31,8/37,2	40,5/48,3	38,4/44,4	40,5/48,2	47,6/55,8
	Air Flow Volume	m^3/h	911/706,3/515,2	1200/1000/700	2100/1800/1500	1700/1400/1100	2100/1800/1500	2400/2040/1680
	Sound Pressure Level	dB (A)	41/38/34/26	33,5/32,5/31	50/46,5/45/40,5	38/36/33	49,5/48/46/42,5	50/49/47/42
Outdoor Unit	Power Supply	V/Ph/Hz	220-240~/ 1 /50	220-240~/1/50	220-240~/1/50	220-240~/ 1 /50	380-415~/3/50	380-415~/3/50
	Dimension (WxHxD)	mm	805x554x330	890x673x342	946x810x410	946x810x410	946x810x410	980x975x415
	Dimension of Package (WxHxD)	mm	915x615x370	995x740x398	1090x885x500	1090x885x500	1090x885x500	1145x1080x500
	Weight Netto/Bruto	Kg	32,5/35,2	41,9/45,2	51/55,7	80,5/85	66,9/71,5	90/105
	Max. Air Flow Volume	m^3/h	2100	3500	3800	4000	4000	5600
	Sound Power	dB (A)	65	69	70	70	70	73
Refrigerant Liquid	Refrigerant Charge R32	kg	1,15	1,4	1,8	2,4	2,4	2,9
	GWP		675	675	675	675	675	675
	Additional Refrigerant	g/m	12	24	24	24	24	24
Connection Pipe	Pipe Diameters	mm(in)	6,35 (1/4)/12,7 (1/2)	9,52 (3/8)/15,9 (5/8)	9,52 (3/8)/15,9 (5/8)	9,52 (3/8)/15,88 (5/8)	9,52 (3/8)/15,88 (5/8)	9,52 (3/8)/15,9 (5/8)
	Max. Distance Length	m	30	50	50	75	75	75
	Max. Elevation	m	20	25	25	30	30	30
Power Cable	Power Cable	mm^2	3x1,5	3x2,5	3x2,5	3x4,0	5x2,5	5x2,5
	Automatic Switch	A	16	25	25	32	16	20
	Communication Cable	mm^2	4x1,0	4x1,0	4x1,0	4x1,0	4x1,0	4x1,0
Operation Temperature Range	Cooling	°C	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50
	Heating	°C	-20-24	-20-24	-20-24	-20-24	-20-24	-20-24
Specifications may be changed without prior notice. For the actual device specifications, refer to the labels on the device.								

HEAT PUMPS
FOR DOMESTIC HOT WATER

Air-to-water heat pumps
FOR DOMESTIC HOT WATER

The NØRDIS TOR series 100L, 200 L and 300 L heat pump water heaters are designed for highly efficient domestic hot water production. They use environmentally friendly R290 refrigerant with a very low GWP of 3. The storage tank is made from Duplex 2205 stainless steel, ensuring exceptional corrosion resistance and long service life.

NØRDIS Tor Series Air-to-Water Heat Pumps for Domestic Hot Water

The unit features built-in Wi-Fi control, allowing full management through a smart app. A modern LCD touch display offers intuitive operation and real-time system information. The TOR series is compatible with solar thermal systems and photovoltaic energy, maximizing the use of free renewable energy. Additional safety and comfort functions—such as anti-legionella, antifreeze protection, and self-diagnostics—ensure reliable and safe performance.

NØRDIS Tor

HEAT PUMPS FOR DOMESTIC HOT WATER

NØRDIS Tor features a durable DUPLEX 2205 stainless steel tank, ensuring high corrosion resistance and long service life. The unit uses eco-friendly R290 refrigerant with an extremely low global warming potential. Built-in Wi-Fi and an intuitive touchscreen allow easy control via a mobile app. Smart functions such as timer settings, holiday mode, and hot water maintenance optimize energy efficiency. Additionally, the system is ready for integration with smart grids and building management systems (BMS).

R290 WiFi

DUPLEX 2205 stainless steel

duplex stainless steel 2205 is an excellent choice for domestic hot water storage thanks to its high resistance to corrosion, particularly stress corrosion cracking, and its robustness.

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.

Vacation mode

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

ModBus

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

For smart control

built-in Wi-Fi for app management.

Easy to use touchscreen

easy-to-use screen supports advanced features.

Timer setting

it operates automatically based on usage habits.

Control of electric heaters

smart and economical electric heater control.

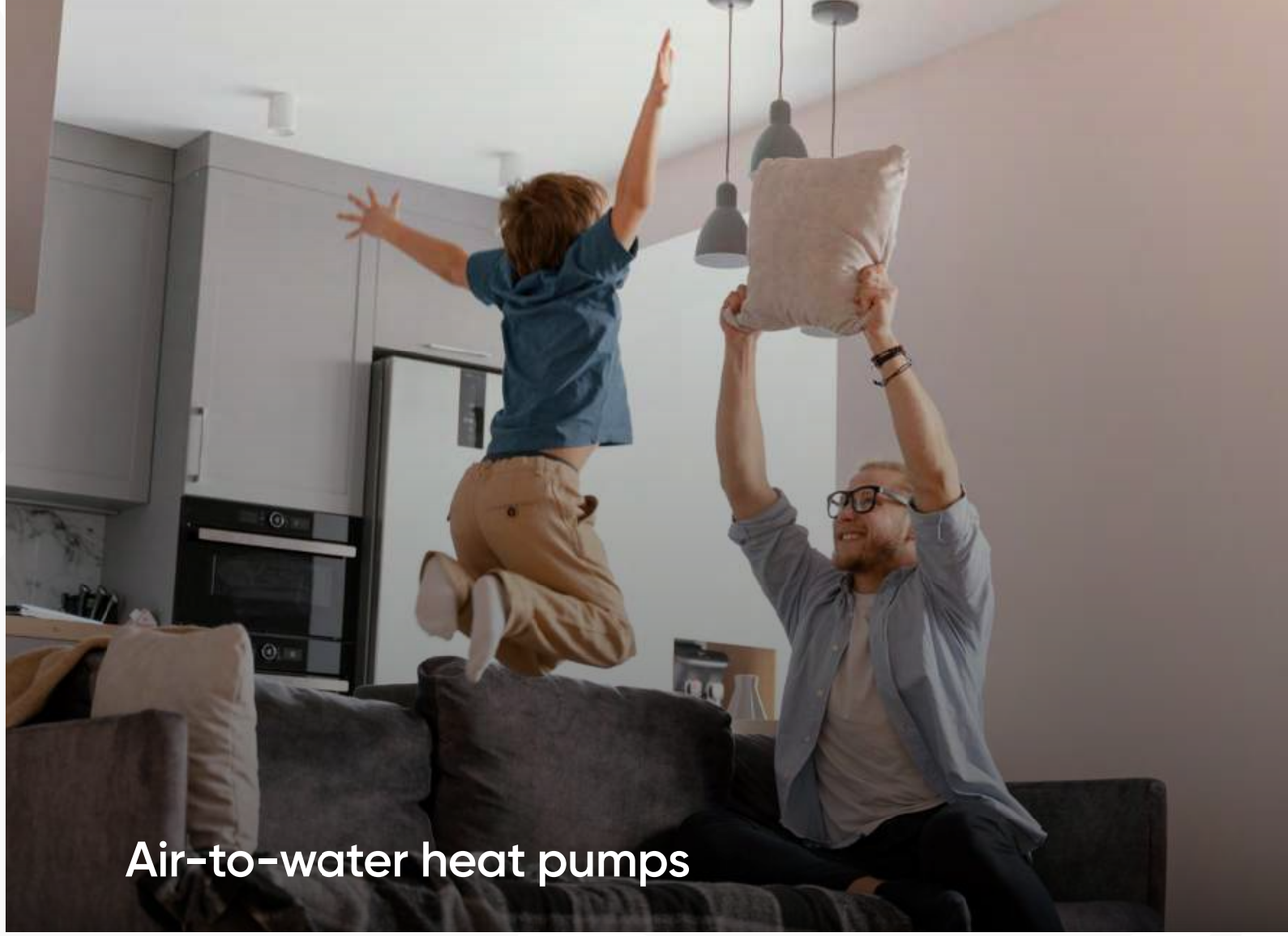
Hot water maintenance

timer and priority hot water control with a disinfection function.

Unit Model		TOR/100	TOR/200S	TOR/300S
Nominal Heating Capacity[1]	kW	1,1	1,6	
Tank Capacity	l	100	200	300
Load profile[2]		M	L	XL
DHW tank material		Duplex 2205		
Ambient temperature DB7°C / WB6°C				
Heating Capacity[3]	kW	0,79	1,25	1,27
Heating Time[3]	h	4,5	6,4	9,9
COP	W/W	2,68	3,35	3,39
Water Heating Energy Efficiency	%	112,9	138,9	138,4
Energy Class		A+		
Standby Power Input	W	20	23	27
Ambient temperature DB20°C / WB15°C				
Heating Capacity[3]	kW	1,08	1,56	1,58
Heating Time[3]	H	3,4	5	8
COP	W/W	3,31	4,03	4,09
Water Heating Energy Efficiency	%	139,6	167,6	168,5
Energy Class		A++		
Standby Power Input	W	16,5	19	24
Max Water Temperature (without using backup heater)	°C	65		
Max Water Temperature	°C	75		
Temperature Setting Range	°C	30-75	10-75	
Working Ambient Temperature	°C	-7 - +43°C		
Rated Water Yield[1]	l / h	23,6	34,4	
Power Supply	V/Ph/Hz	220-240/1/50		
Rated Power	W	2100	2300	
Rated Current	A	2,18 + 6,8	3,05 + 6,8 (electric)	
Electric Heater Power	kW	1,6	1,5	
Sound Power Level[4]	dB(A)	50	52,5	53
Sound Pressure at 1m	dB(A)	38	36	36
Protection level		IPX1		
Unit Dimensions	mm	Ø510x1185	Ø560x1750	Ø640x1850
Packaging Dimensions	mm	570x570x1292	629x629x1892	695x695x1989
Net Weight	kg	48	72	87
Gross Weight	kg	63	86	105

[1] Capacities and power inputs based on the following conditions:
- Heating: ambient temperature 20°C/15°C, water temperature 15°C/55°C
[2] COP and Energy Time based on ERP (EN16147) for stage C with tapping cycle L / XL
[3] Capacities and Heating Time based on ERP (EN16147) for Stage A, water temperature heating from 10°C to 53°C
[4] Tested according to EN12102 with water 50°C

HEAT PUMPS
AIR-TO-WATER



Air-to-water heat pumps

Air-to-water heat pumps, known for their high eco-friendliness and efficiency, are increasingly becoming the main equipment for maintaining a comfortable home climate.

NØRDIS continuously improves and expands its high-quality heat pump range. The product lineup includes two air-to water heat pump series: Ultima and Optimus Pro. These modern systems effectively heat, cool, and provide hot water, working successfully even at -25°C temperatures. As a result, the equipment is well-suited to the climate conditions of northern countries.

NØRDIS Ultima Series Air-to-Water Heat Pumps

The most advanced NØRDIS air-to-water heat pump series, utilizing the eco-friendly R290 refrigerant, which has minimal negative impact on the environment. These units feature high efficiency and can maintain water temperatures up to 75°C, making them suitable for less energy efficient homes. The modern design with a color touchscreen and versatility, allowing them to be used in both new and renovated buildings, makes the NØRDIS Ultima series attractive and effective.

NØRDIS Optimus Pro Series Air-to-Water Heat Pumps

The versatile heat pumps feature high efficiency, durability, and convenient control. The most compact model of the series, the monoblock, allows for easy integration of the unit, saving space in utility rooms. It is perfect for heating, cooling, and hot water production in both new and renovated buildings. The heat pump system is compatible with underfloor heating, radiator, fan coil. The Optimus Pro series heat pumps use the R32 refrigerant.

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.

R290 99.6% lower carbon dioxide emissions compared to R32.

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

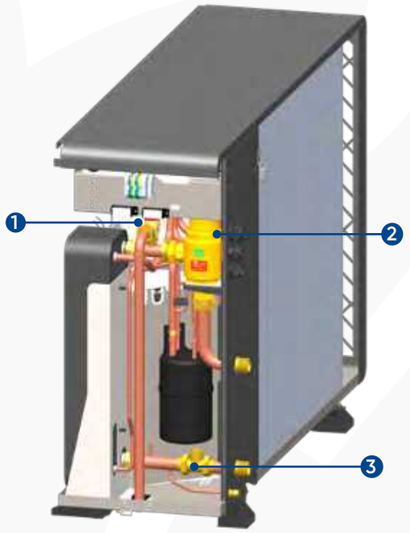
SAFETY FEATURES

Leak Protection System

To ensure CE compliance and user safety, the heat pump system using the flammable R290 refrigerant strictly limits its amount in indoor spaces. This requirement ensures that even in the case of an unexpected leak, no explosive gas concentrations will form indoors. NØRDIS Ultima heat pumps are equipped with three independent safety systems that mechanically prevent gas leakage and provide the highest level of safety.

System Operation:

Upon a refrigerant leak to water system, the safety valve and gas separator automatically release the leaked refrigerant from the system.



Key System Safety Components

Pressure release valve 1

When the pressure in the water system exceeds 2.5 bar, gas and water are released from the system.

Gas separator 2

Removes gases detected in the water system.

Check valve 3

Prevents refrigerant or water from flowing back into the water system.

SYSTEM CONTROL MANAGEMENT

IoT Platform

Whether installing a new heating system or resolving a technical issue, customer satisfaction is always the top priority. Users expect a smooth commissioning process and fast repairs – not only during the colder months. To meet these expectations, NØRDIS suggests smart digital solutions that enable efficient commissioning and optimisation of energy systems.

Functional Control

The unique 7-inch touchscreen features high resolution and exceptionally smooth performance. A multilingual menu allows customization to individual preferences. Smart and advanced features ensure that controlling the heat pump is remarkably simple.

- A uniquely designed color display
- Intuitive touchscreen interface
- Wi-Fi / LAN/ 4G connectivity

Remote Control via App

Control your heat pump anytime, anywhere with a simple mobile app. Adjust temperature, set schedules, and monitor energy use directly from your smartphone. The app ensures your home is always at the perfect temperature—even when you're away.

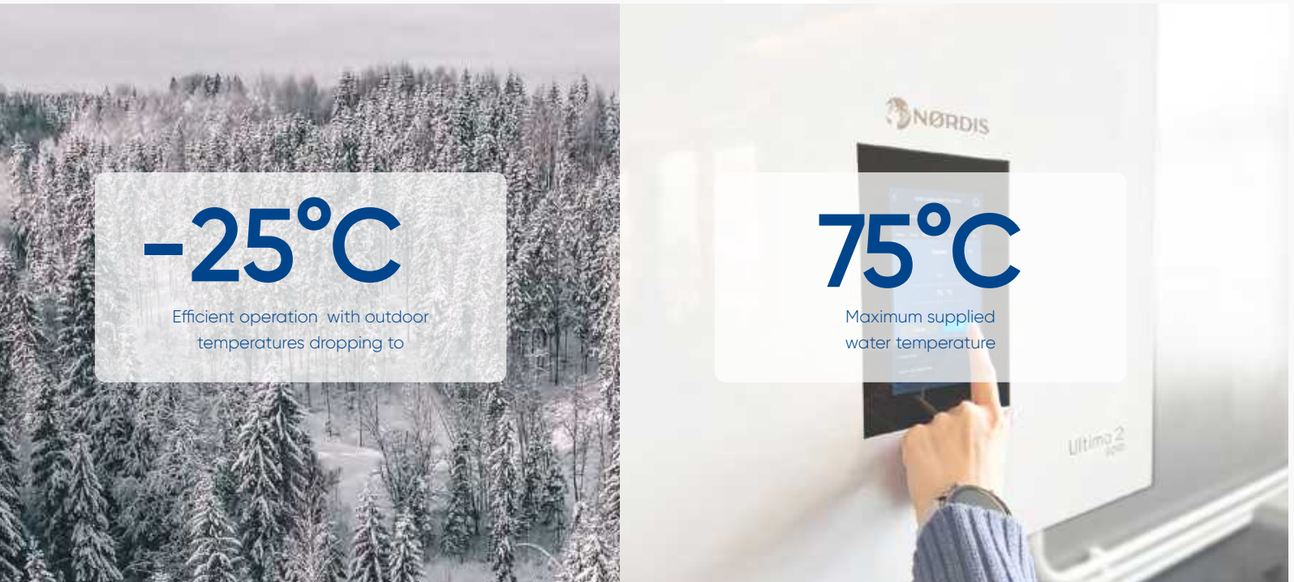
NØRDIS Ultima 2 Mono Split Outdoor Units

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 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)									
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	45798	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*			mm^2	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	m^3/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
			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	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
*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 Unit

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 MONO3S	HLT220 MONO3S
Power Supply		V/Ph/Hz	380-415/3/50					
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					
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					

*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.

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

WITH INTEGRATED DHW AND BUFFER TANKS

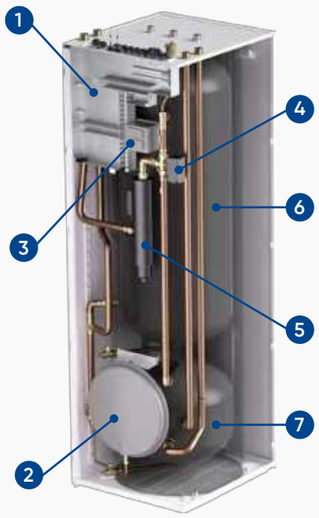
R290 WiFi A+++

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

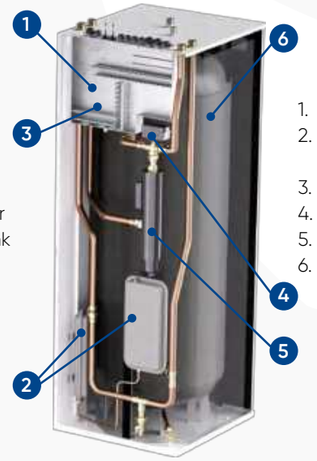
Features

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



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

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					

*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*		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			

*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 (Accordingto 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	27.9/80.0
	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	25.8/74
	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*			mm^2	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	m^3/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
			m^3/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	2218×984×2336
	Net Weight		kg	275	348	800
*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*		mm^2	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.					

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*			mm^2	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	m^3/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.
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.

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			

*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.

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

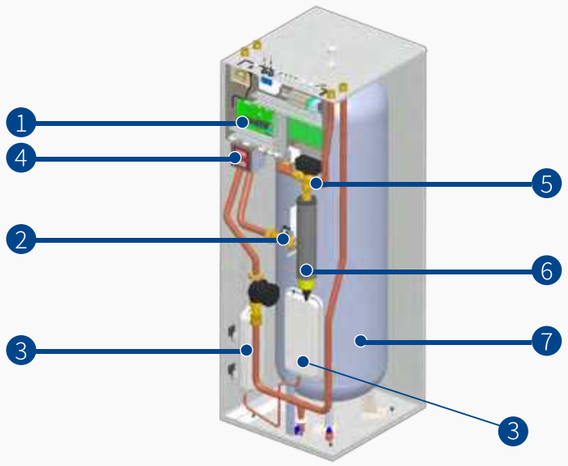
R290 | WiFi | A+++

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

Optimus Pro

SERIES

Comfort Your Whole Family Can Feel

NØRDIS Optimus Pro is a modern air-to-water heat pump designed for efficient space heating, cooling, and domestic hot water production. It features the highest A+++ energy efficiency class, quiet operation, and smart control via a controller or mobile app. Optimus Pro automatically adapts to user habits, outdoor temperature, and power grid conditions, ensuring reliable performance, high comfort, and low energy consumption.

FEATURES

ENERGY EFFICIENCY

Heat pumps meet the highest A+++ energy
efficiency class.

ECO-FRIENDLY R32 REFRIGERANT

Higher heat transfer coefficient ensuring better performance.

SG READY

The heat pump's operating time can be automatically adjusted based on the power grid load.

CONVENIENT CONTROLLER / REMOTE CONTROL

Advanced multifunctional controller or app
on a smart device.

SILENT MODE

The sound pressure level of NØRDIS Optimus Pro units is as low as 35 dB (A) at a distance of 3 meters.

SCHEDULE SETTING

NØRDIS Optimus Pro operates automatically based on user habits to meet various usage needs.

HOLIDAY MODE

The device operates in heating and/or hot water preparation mode, maintaining the minimum water temperature required to prevent the system from freezing during winter.

TEMPERATURE CURVES

The water temperature prepared by the heat pump automatically adjusts based on changes in outdoor air temperature.

HOT WATER RECIRCULATION

The hot water recirculation function is used to return water from the pipeline to the hot water tank according to a set timer.

POWER LIMITATION FUNCTION

The function allows the heat pump to be adapted to the available input power.

SERTIFICATES

Keymark Certified

CE Certified

SG Ready

NØRDIS Optimus Pro Split type

AIR-TO-WATER HEAT PUMPS

Outdoor Unit Models			HOP6W ODU	HOP8W ODU	HOP10W ODU	HOP12W ODU3	HOP16W ODU3
Compatible Indoor Units without DHW Tank			HOP60WIDU	HOP100WIDU or HOP100WIDU3		HOP160WIDU3	
Compatible Indoor Units with DHW Tank			HOP100/190IDU or HOP100/190IDU3			HOP160/240IDU3	
Heating A7W35 [1]	Capacity	kW	6,20	8,30	10,00	12,10	16,00
	Rated Input	kW	1,24	1,60	2,00	2,44	3,56
	COP		5,00	5,20	5,00	4,95	4,50
Heating A7W45 [2]	Capacity	kW	6,35	8,20	10,00	12,30	16,00
	Rated Input	kW	1,69	2,08	2,63	3,24	4,44
	COP		3,75	3,95	3,80	3,80	3,60
Heating A7W55 [3]	Capacity	kW	6,00	7,50	9,50	12,00	16,00
	Rated Input	kW	2,00	2,36	3,06	3,87	5,52
	COP		3,00	3,18	3,10	3,10	2,90
Heating A7W35 [9]	Capacity	kW	6,10	7,10	8,25	10,00	13,30
	Rated Input	kW	2,00	2,18	2,62	3,33	4,93
	COP		3,05	3,25	3,15	3,00	2,70
Cooling A35W18 [4]	Capacity	kW	6,55	8,40	10,00	12,00	14,90
	Rated Input	kW	1,34	1,66	2,08	3,00	4,38
	EER		4,90	5,05	4,80	4,00	3,40
Cooling A35W7 [5]	Capacity	kW	7,00	7,40	8,20	11,60	14,00
	Rated Input	kW	2,33	2,19	2,48	4,22	5,71
	EER		3,00	3,38	3,30	2,75	2,45
Energy Efficiency Class [6]	Water Outlet at 35°C	Class	A+++				
	Water Outlet at 55°C	Class	A++				
SCOP [6]		35°C	4,95	5,22	5,2	4,81	4,62
		55°C	3,52	3,37	3,47	3,45	3,41
SEER [6]		7°C	5,37	5,83	5,98	4,86	4,67
		18°C	8,21	8,95	8,78	7,04	6,71
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.							

NØRDIS Optimus Pro Split

OUTDOOR UNITS

A+++ WiFi Inverter Technology

Features

- Energy efficiency class A+++;
- Eco-friendly refrigerant R32;
- Dual-rotor inverter compressor with permanent magnets;
- Operates in heating mode at outdoor temperatures as low as -25°C;
- Exceptionally quiet – two silent operation modes;
- Smart grid functionality implemented.

Outdoor Unit Models			HOP6WODU	HOP8WODU	HOP10WODU	HOP12WODU3	HOP16WODU3
Power Supply		V/Ph/Hz	220-240/1/50			380-415/3/50	
Rated Power		W	2600	3300	3600	5400	6100
Rated Current		A	12,0	14,5	16,0	9,0	11,0
Power Cable*		mm^2	3x2,5			5x2,5	
Automatic Switch		A	C16		C20	C16~3	
Refrigerant	Type (GWP)		R32 (675)				
	Quantity in the Device	kg	1,5	1,65		1,84	
Refrigerant Pipes	Liquid Phase	mm (Inch)	6,35 (1/4")	9,52 (3/8")			
	Gas Phase	mm (Inch)	15,88 (5/8")				
Between the Indoor and Outdoor Units	Height Difference, Max.	m	20				
	Pipe Lenght, Min.	m	w3				
	Pipe Lenght, Max.	m	30				
Additional Refrigerant Charge	Quantity	g/m	20	38			
	Pipe Length without Additional Charge	m	Max.15				
Compressor			DC Two Rotor Inverter				
Fan			DC Electric Motor				
Sound Power Level [7]		dB (A)	58	59	60	64	68
Sound Pressure (1 m)		dB (A)	45	46	49	50	55
Sound Pressure (2 Silent Mode)		dB (A)	40	41	41	43	43
Dimension (W x H x D)		mm	1008×712×426	1118×865×523			
Dimension of Package (W x H x D)		mm	1065×810×485	1190×970×560			
Net / Gross Weight		kg	58 / 63.5	75 / 89		97 / 110.5	
Operation Ambient Temperature Range	Heating	°C	-25 ~ +35				
	Cooling	°C	-5 ~ +43				
	DHW	°C	-25 ~ +43				

*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.

Efficient operation with outdoor temperatures dropping to **-25°C**

Maximum prepared water temperature **65°C**

NØRDIS Optimus Pro Split

INDOOR UNITS WITHOUT INTEGRATED DHW TANK

WiFi

Features

- Touch-sensitive control panel;
- Integrated Wi-Fi module for device control via smartphone;
- Electronic circulation pump;
- Temperature curves implemented for device control based on outdoor temperature;
- Hot water disinfection function;
- Integrated auxiliary electric water heater.

Air-to-water heat pumps without an integrated hot water tank come with three power capacity indoor units. The heat pump system is compatible with underfloor heating, radiators, fan coil units, and domestic water heating systems. This eliminates the need to invest in a complete system overhaul.

Series Multifunctionality

Hot water preparation priority

Automatic mode

Disinfection mode

Economy mode

Weekly schedule

Daily schedule

Temperature curves

Quick DHW preparation mode

Indoor Units without DHW Tank			HOP60W IDU	HOP100W IDU		HOP100W IDU3		HOP160W IDU3	
Compatible Outdoor Models			HOP6W ODU	HOP8W ODU	HOP10W ODU	HOP8W ODU	HOP10W ODU	HOP12W ODU3	HOP16W ODU3
Built-in Electric Heater		kW	3			9 (3+3+3)[8]			
Power Supply		V/Ph/Hz	220-240/1/50			380-415/3/50			
Rated Power		W	3095			9095			
Nominal Current		A	13,5			13,3			
Power Cable*		mm^2	3x2,5			5x2,5			
Communication Cable, AWG18 Shielded		mm^2	2x0,75						
Automatic Switch		A	C16			C16~3			
Sound Power Level [7]		dB (A)	38	42				43	
Sound Pressure (1 m)		dB (A)	28	30				32	
Dimension (W x H x D)		mm	420x790x270						
Dimension of Package (W x H x D)		mm	525x1050x360						
Circulation Pump	Type		DC, Electronic						
	Maximum Lifting Height	m	9						
	Power	W	5~90						
Minimum Water Flow		m^3/h	0,36					0,6	
Operating Limits for Water Flow		m^3/h	0,4 ~ 1,25	0,4 ~ 2,1				0,7 ~ 3,0	
Heat Exchanger			Plate, Soldered						
Expansion Tank		l	8						
Refrigerant Pipes	Liquid Phase	mm (Inch)	6,35 (1/4")	9,52 (3/8")					
	Gas Phase	mm (Inch)	15,88 (5/8")						
Water Pipe Connection			R1"						
Net / Gross weight		kg	43 / 49					45 / 51	
Supply Water Temperature	Heating	°C	+25 ~ +65						
	Cooling	°C	+5 ~ +25						
	DHW	°C	+20 ~ +60						
Ambient Temperature		°C	0 ~ +35						
Water Pressure in the System		bar	1 ~ 3						

*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 Optimus Pro Split

INDOOR UNITS WITH INTEGRATED DHW TANK

WiFi

Features

- Integrated 190 L or 240 L stainless steel water heater;
- Touch-sensitive control panel;
- Integrated Wi-Fi module for device control via smartphone;
- Electronic circulation pump;
- Temperature curves implemented for device control based on outdoor temperature;
- Hot water disinfection function;
- Integrated auxiliary electric water heater.

Air-to-water heat pumps with an integrated hot water tank come with two power capacities and tank sizes for indoor units. These units incorporate the latest technologies to ensure high performance and minimal operating costs. The combination of heat pump equipment provides optimal solutions for heating, cooling, and hot water preparation processes.

Series Multifunctionality

Hot water preparation priority

Automatic mode

Disinfection mode

Economy mode

Water heater with a capacity of up to 240 liters

Daily schedule

Temperature curves

Quick DHW preparation mode

Indoor Units with DHW Tank			HOP100/190 IDU			HOP100/190 IDU3			HOP160/240 IDU3	
Compatible Outdoor Models			HOP6W ODU	HOP8W ODU	HOP10W ODU	HOP6W ODU	HOP8W ODU	HOP10W ODU	HOP12W ODU3	HOP16W ODU3
Efficiency Class for Hot Water Production (Temperate Climate Zone)		Class	A+							
		COP	3,10	3,02		3,10	3,02		3,00	
Water Tank Capacity	Capacity	l	190						240	
	Material		Stainless Steel, SUS 316L							
	Max Water Temperature	°C	70							
	Isolation		Polyurethane							
Built-in Electric Heater		kW	3			9 (3+3+3)[8]				
Power Supply		V/Ph/Hz	220-240/1/50			380-415/3/50				
Rated Power		W	3095			9095				
Rated Current		A	13,5			13,5				
Power Cable*		mm²	3x2,5			5x2,5				
Communication Cable, AWG18 Shielded		mm²	2x0,75							
Automatic Switch		A	C16			C16~3				
Sound Power Level [7]		dB	38	40		38	40		44	
Dimension (W x H x D)		mm	600x1683x600						600x1943x600	
Dimension of Package (W x H x D)		mm	730x1920x730						730x2182x730	
Circulation Pump	Type		DC, Electronic							
	Maximum Lifting Height	m	9							
	Power	W	5~90							
Minimum Water Flow		m³/h	0,36						0,6	
Operating Limits for Water Flow		m³/h	0,4 ~ 1,25	0,4 ~ 2,1		0,4 ~ 1,25	0,4 ~ 2,1		0,7 ~ 3,0	
Heat Exchanger			Plate, Soldered							
Expansion Tank		l	8							
Refrigerant Pipes	Liquid Phase	mm (Inch)	6,35 (1/4")	9,52 (3/8")		6,35 (1/4")	9,52 (3/8")			
	Gas Phase	mm (Inch)	15,88 (5/8")							
Water Pipe Connection	Heating/Cooling		R1"							
	Hot Water Preparation		R3/4"							
Net / Gross Weight		kg	140 / 161						159 / 180	
Supply Water Temperature	Heating	°C	+25 ~ +65							
	Cooling	°C	+5 ~ +25							
	DHW	°C	+30 ~ +60							
Ambient Temperature		°C	+5 ~ +35							
Water Pressure in the Heating/Cooling System		bar	1 ~ 2,5							
Water Pressure in the Hot Water System (Cold Water)		bar	1,5 ~ 3							

*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 Optimus Pro Mono

AIR-TO-WATER HEAT PUMPS

WiFi

Features

- Energy efficiency class A+++;
- Eco-friendly refrigerant R32;
- Dual-rotor inverter compressor with permanent magnets;
- Operates in heating mode at outdoor temperatures as low as -25°C;
- Exceptionally quiet – two silent operation modes;
- Smart grid functionality implemented;
- Touch-sensitive control panel;
- Integrated Wi-Fi module for device control via smartphone.

NØRDIS Optimus Pro monoblocks are high-efficiency, low-energy-consumption air-to-water heat pumps. The entire heating system is integrated into a single, universal outdoor unit, making it an ideal solution for homes without auxiliary rooms for additional heat pump equipment. The installation is simple and quick.

NØRDIS Optimus Pro monoblocks are fully compatible with any existing home heating or hot water preparation system. These units ensure low energy consumption, a high energy efficiency class, and excellent seasonal performance indicators.

Outdoor Units			HOP6 WMONO	HOP8 WMONO	HOP10 WMONO	HOP12 WMONO3	HOP16 WMONO3
Built-in Electric Heater		kW	3			9	
Power Supply		V/Ph/Hz	220-240/1/50			380-415/3/50	
Rated Power		W	5700[11]	6400[11]	6700[11]	14500[11]	15200[11]
Rated Current		A	27	29	30	23	25
Power Cable*		mm^2	3x4,0	3x6,0		5x6,0	
Communication Cable, AWG18 Shielded		mm^2	5x0,75				
Automatic Switch		A	C32				
Heating A7W35 [1]	Capacity	kW	6,35	8,40	10,00	12,10	15,90
	Rated Input	kW	1,28	1,63	2,02	2,44	3,53
	COP		4,95	5,15	4,95	4,95	4,50
Heating A7W45 [2]	Capacity	kW	6,30	8,10	10,00	12,30	16,00
	Rated Input	kW	1,70	2,10	2,67	3,32	4,57
	COP		3,70	3,85	3,75	3,70	3,50
Heating A7W55 [3]	Capacity	kW	6,00	7,50	9,50	11,90	16,00
	Rated Input	kW	2,03	2,36	3,06	3,90	5,61
	COP		2,95	3,18	3,10	3,05	2,85
Heating A-7W35 [9]	Capacity	kW	6,00	7,00	8,00	10,00	13,10
	Rated Input	kW	2,00	2,19	2,62	3,33	4,85
	COP		3,00	3,20	3,05	3,00	2,70
Cooling A35W18 [4]	Capacity	kW	6,50	8,30	9,90	12,00	14,90
	Rated Input	kW	1,35	1,64	2,18	3,04	4,38
	EER		4,80	5,05	4,55	3,95	3,40
Cooling A35W7 [5]	Capacity	kW	7,00	7,45	8,20	11,50	14,00
	Rated Input	kW	2,33	2,22	2,52	4,18	5,60
	EER		3,00	3,35	3,25	2,75	2,50
Energy Efficiency Class [6]	Water Outlet at 35°C	Class	A+++				
	Water Outlet at 55°C	Class	A++				
SCOP [6]		35°C	4,95	5,22	5,2	4,81	4,62
		55°C	3,52	3,37	3,47	3,45	3,41
SEER [6]		7°C	5,31	5,82	5,95	4,40	4,85
		18°C	8,22	8,94	8,73	7,07	6,89
Refrigerant	Type (GWP) / Quantity, kg		R32 (675) / 1,4			R32 (675) / 1,75	
Compressor			Inverter DC a Twin Rotary				
Heat Exchanger			Piastra, saldata				
Fan			Motore elettrico DC				
Number of Fans			1				
Circulation Pump	Type		DC elettronico				
	Max. Lifting Height	m	9				
	Capacity	W	5~90				
Nominal Water Flow		m^3/h	1,09	1,44	1,72	2,08	2,73
Operating Limits for Water Flow		m^3/h	0,4 ~ 1,25	0,4 ~ 1,65	0,4 ~ 2,1	0,7 ~ 2,5	0,7 ~ 3,0
Water Piping Connection			R1"	R1 1/4"			
Sound Power Level [7]		dB (A)	58	59	60	65	68
Sound Pressure Level (1m)		dB (A)	47	48	50	53	58
Dimensions (W x H x D)		mm	1295x792x429	1385x945x526			
Packing Dimensions (W x H x D)		mm	1375x965x475	1465x1120x560			
Net / Gross Weight		kg	91 / 112	110 / 137		149 / 177	
Ambient Temperature Range	Heating	°C	-25 ~ +35				
	Cooling	°C	-5 ~ +43				
	DHW	°C	-25 ~ +43				
LWT Setting Range	Heating	°C	+25 ~ +65				
	Cooling	°C	+5 ~ +25				
	DHW[10]	°C	+20 ~ +60				

*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.

Outdoor Units			HOP22WMONO3	HOP26WMONO3	HOP30WMONO3
Built-in Electric Heater		kW	-		
Power Supply		V/Ph/Hz	380-415/3/50		
Rated Power		W	12500	13800	14500
Rated Current		A	24,5	27	28,5
Power Cable		mm²	5x6,0		
Communication Cable, AWG18 Shielded		mm²	5x0,75		
Automatic Switch		A	C25	C32	
Heating A7W35[1]	Capacity	kW	22,00	26,00	30,10
	Rated Input	kW	5,00	6,37	7,70
	COP		4,40	4,08	3,91
Heating A7W45[2]	Capacity	kW	22,00	26,00	30,00
	Rated Input	kW	6,47	8,39	10,35
	COP		3,40	3,10	2,90
Heating A7W55[3]	Capacity	kW	22,00	26,00	30,00
	Rated Input	kW	8,30	10,61	13,04
	COP		2,65	2,45	2,30
Heating A7W35[9]	Capacity	kW	21,00	22,00	23,00
	Rated Input	kW	8,08	8,80	9,39
	COP		2,60	2,50	2,45
Cooling A35W18 [4]	Capacity	kW	23,00	27,00	31,00
	Rated Input	kW	5,00	6,30	7,75
	EER		4,60	4,30	4,00
Cooling A35W7 [5]	Capacity	kW	21,00	26,00	29,50
	Rated Input	kW	7,12	9,63	11,57
	EER		2,95	2,70	2,55
Energy Efficiency Class[6]	Water Outlet at 35°C	Class	A+++		
	Water Outlet at 55°C	Class	A++	A+	
SCOP[6]		35°C	4,53	4,5	4,2
		55°C	3,23	3,15	3,15
SEER[6]		7°C	4,7	4,66	4,49
		18°C	5,67	5,88	5,71
Refrigerant	Type (GWP) / Quantity, kg		R32 (675) / 5,0		
Compressor			DC Two Rotor Inverter		
Heat Exchanger			Plate, Soldered		
Fan			DC, Electric Motor		
Number of Fans			2		
Circulation Pump	Type		DC, Electronic		
	Max. Lifting Height	m	12		
	Capacity	W	10 ~ 305		
Nominal Water Flow		m³/h	3,78	4,47	5,18
Operating Limits for Water Flow		m³/h	-		
Water Piping Connection			R1 1/4"		
Sound Power Level[7]		dB (A)	73	75	77
Sound Pressure Level (1m)		dB (A)	60	61	63
Dimensions (W x H x D)		mm	1129x1558x528		
Packing Dimensions (W x H x D)		mm	1220x1735x565		
Net / Gross Weight		kg	177 / 206		
Ambient Temperature Range	Heating	°C	-25 ~ +35		
	Cooling	°C	-5 ~ +43		
	DHW	°C	-25 ~ +43		
LWT Setting Range	Heating	°C	+25 ~ +60		
	Cooling	°C	+5 ~ +25		
	DHW[10]	°C	+30 ~ +60		

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

NØRDIS Air-to-Water Heat Pump Application For an Integrated Home System

Series Multifunctionality

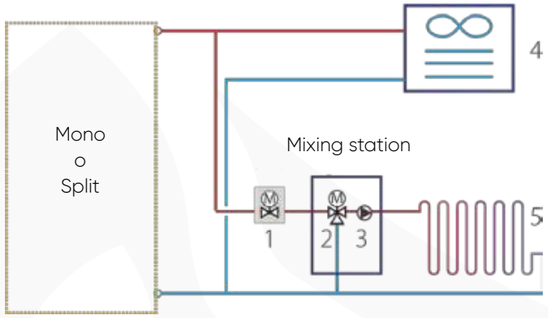
NØRDIS heat pumps are integrated systems designed for year-round space heating, cooling, and domestic hot water preparation. They can replace traditional gas or solid fuel heating systems or operate alongside them. Heat pumps are compatible with underfloor heating, radiators, fan coil units, and domestic hot water systems. They can also be connected to solar panels and other heat sources.

The "Smart Grid" certification indicates that NØRDIS heat pumps can optimally utilize electricity from various sources (at different price levels), such as solar photovoltaic systems or municipal power grids, to meet the demands of various operating modes and significantly contribute to cost savings.

NØRDIS Optimus Pro Mono outdoor unit

Heating and Cooling

Underfloor heating is used for space heating, while fan coil units are used for both heating and cooling. In heating mode, the underfloor heating system and the fan coil units require different supply water temperatures. A mixing unit (supplied separately), consisting of a 3-way valve and a circulation pump, is used to adjust the water temperature for the underfloor heating system. The mixing unit is controlled by the heat pump. In cooling mode, a 2-way valve is used to prevent cold water from entering the underfloor heating circuits and to avoid condensation.

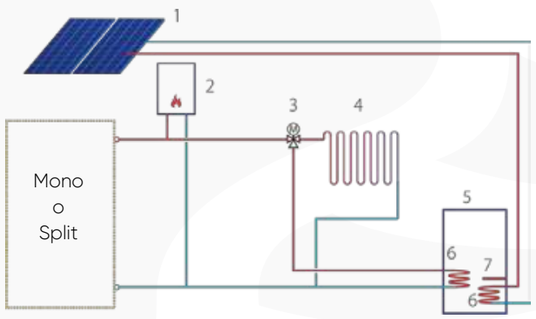


Notes:

1. 2-way valve (supplied separately).
2. 3-way valve (supplied separately).
3. Circulation pump (supplied separately).
4. Fan coil unit (supplied separately).
5. Underfloor heating system (supplied separately).

Heating, Domestic Hot Water Preparation (DHW) and External Heat Sources

The backup electric heater (integrated into the unit) and an external heat source (e.g., gas boiler) provide additional heat to the water prepared by the heat pump. The auxiliary electric heater in the DHW tank and solar panels supply additional heat to the hot water system. A 3-way valve is used to switch between the heating system and domestic hot water preparation.



Notes:

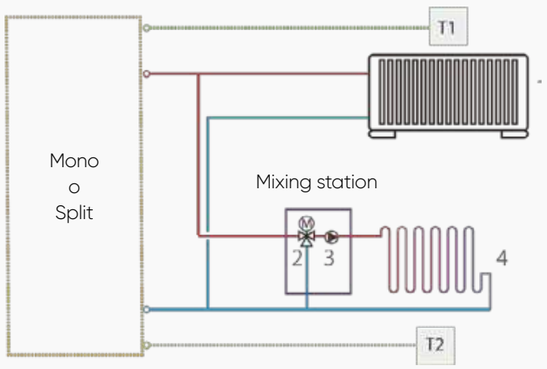
1. Solar panels (supplied separately)
2. External heat source (supplied separately or existing in a renovated system)
3. 3-way valve (supplied separately)
4. Underfloor heating system (supplied separately)
5. Domestic hot water (DHW) tank (supplied separately)
6. DHW tank heat exchanger (supplied separately)
7. DHW tank auxiliary electric heater (supplied separately)

Two Zone Control

Two-zone control is available only in heating mode. The unit can manage different zones to deliver varying temperatures, meeting diverse daily usage needs.

1. Using only the device's wired controller
The wired controller is used to set the operating mode, temperatures, and to turn the device on/off. Zone 1 is controlled based on the supply water temperature, while Zone 2 is controlled either by the supply water temperature or the room temperature sensor built into the wired controller.

2. Using the device's wired controller and a thermostat
The wired controller is used to set the operating mode and water temperature. Both zones are controlled via the thermostat.

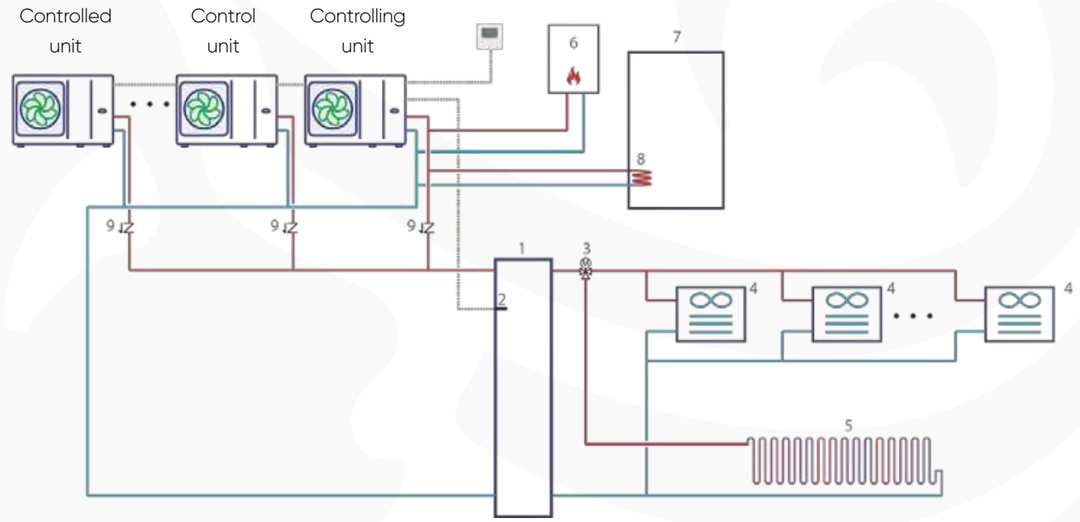


Notes:
1. Radiator (supplied separately)
2. 3-way valve (supplied separately)
3. Circulation pump (supplied separately)
4. Underfloor heating system (supplied separately)

T1, T2 – room thermostats (supplied separately)

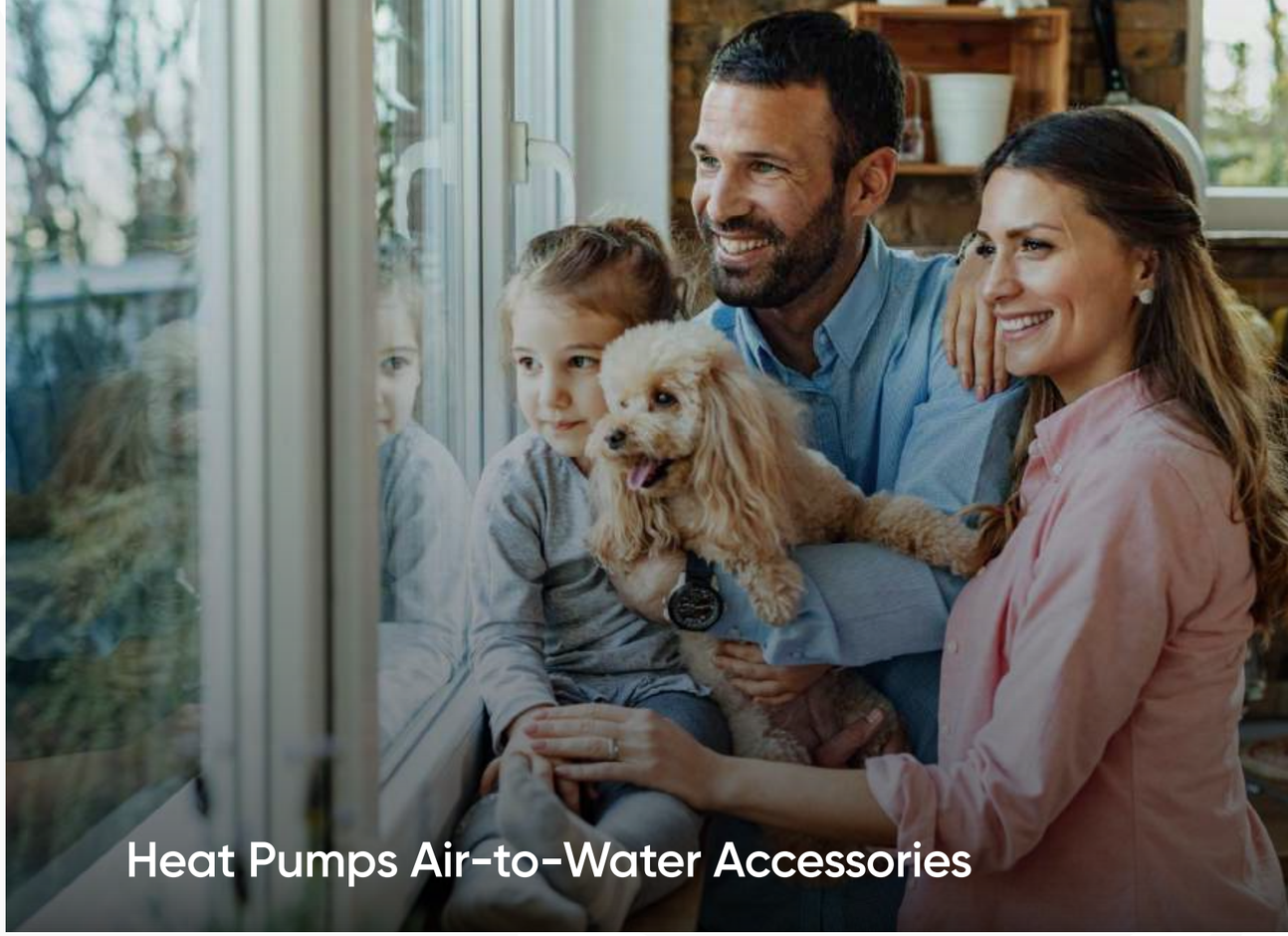
Parallel Mono Unit Connection (Cascade)

Parallel Mono unit connection is an ideal solution for expanding system capacity when heating/cooling demands increase. Up to 6 units in a single system can be managed with one controller. The control of the water temperature in the accumulation (buffer) tank ensures optimal system performance.
The hot water preparation tank can only be connected to the primary unit's circulation system via a 3-way valve and is controlled by the primary unit.
An external heat source can also only be connected to the primary unit's circulation system and is managed by the primary unit.



Notes:
1. Accumulation (buffer) tank (supplied separately)
2. Accumulation (buffer) tank temperature sensor (supplied separately)
3. 3-way valve (supplied separately)
4. Fan coil unit (supplied separately)
5. Underfloor heating system (supplied separately)
6. External heat source (supplied separately or existing in a renovated system)
7. Domestic hot water (DHW) tank (supplied separately)
8. DHW tank heat exchanger (supplied separately)
9. Check valve (supplied separately)

HEAT PUMPS AIR-TO-WATER ACCESSORIES



NØRDIS heating and hot water solutions are designed to provide reliable comfort, energy efficiency, and long-term performance for residential and commercial applications. Optimized for use with low-temperature heating systems and heat pumps, the products combine durable construction, efficient thermal insulation, and modern engineering solutions. Compact dimensions and flexible installation options make them suitable for apartments, private houses, public buildings, and industrial facilities. By reducing heat loss and improving system efficiency, NØRDIS products help create sustainable and energy-saving heating solutions for modern living environments.

Heat Pumps Air-to-Water Nørdis Series

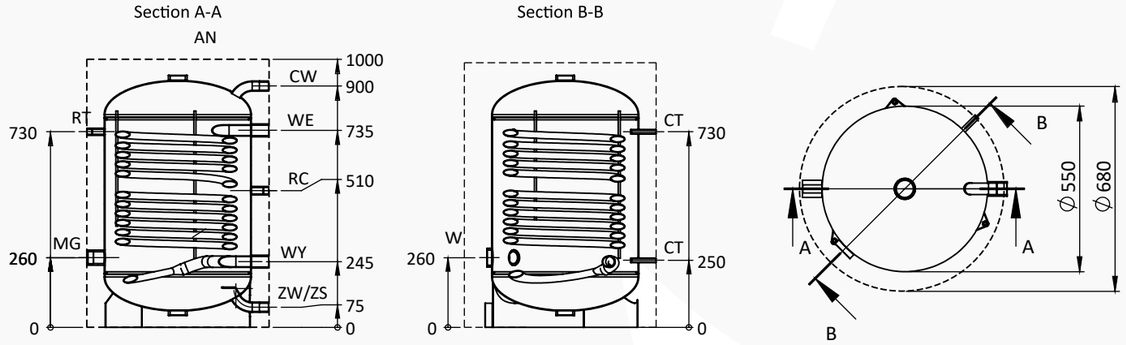
The NØRDIS range includes domestic hot water tanks, wall-mounted buffer tanks, and large-capacity buffer tanks designed to improve heating system stability and energy efficiency. Manufactured from durable steel and equipped with high-quality insulation materials, the tanks ensure reliable operation and minimized standby heat losses. Multiple sizes and configurations allow easy adaptation to different installation needs, from compact residential spaces to larger commercial systems. Practical connection layouts and compatibility with heat pumps, boilers, and electric heaters make NØRDIS products a dependable choice for modern heating applications.

NØRDIS NWT-S

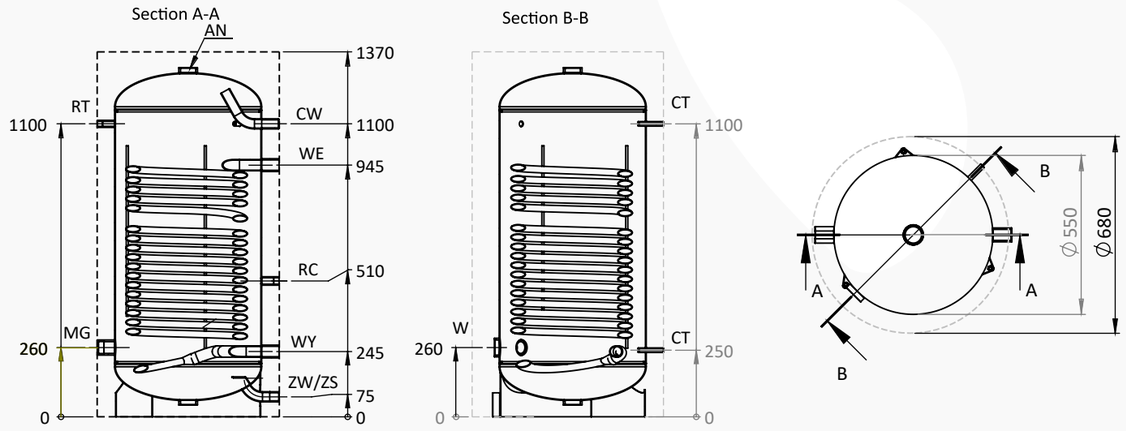
DOMESTIC HOT WATER TANK FOR HEAT PUMP

NWT-S type DHW tanks are designed for heating and storing domestic hot water, in conjunction with low-temperature water central heating boilers and, above all, heat pumps.

Construction of NWT-200S DHW tank



Construction of NWT-300S DHW tank



Dimensions of the connections NWT-S		
Hot domestic water	CW	G 1"
Cold domestic water	ZW	G 1"
Coil supply	WE	G 1 ¼"
Coil return	WY	G 1 ¼"
Circulation	RC	G ¾"
Temperature sensor (closed)	CT	⅜"
Electric heater sleeve	MG	G 1 ½"
Thermometer sleeve	RT	G ½"
Drain	ZS	G 1"
Cleanout	W	G 2"
Magnesium anode	AN	G 2"

Model	Unit	NWT-200S	NWT-300S
Energy Class		B	B
Effective tank volume	l	180	270
Total tank volume	l	200	300
Heat exchanger surface area	m^2	2	3
Heat exchanger volume	l	12,5	18,7
DHW efficiency*			
80/10/45°C	l/h	1302	1958
70/10/45°C		929	1398
60/10/45°C		558	840
55/10/45°C		373	558
45/10/40°C"		218"	327"
DHW efficiency*			
80/10/60°C	l/h	521	784
70/10/60°C"		261	392
Heating power*			
80/10/45°C	kW	53,0	79,7
70/10/45°C		37,8	56,9
60/10/45°C		22,7	34,2
55/10/45°C		15,2	22,7
45/10/40°C"		7,6	11,4
Heating power*			
80/10/60°C	kW	30,3	45,6
70/10/60°C"		15,2	22,8
Pressure loss	mbar	20	30
DHW tank operating parameters: Maximum operating pressure Maximum operating temperature		0,6 MPa 85°C	
Heating medium parameters: Maximum operating pressure Maximum operating temperature		1,0 MPa 100°C	
DHW tank material - steel covered with ceramic enamel inside		+	
External cover - faux leather		+	
Thermal insulation - polystyrene foam		+	
Thermal insulation thickness	mm	65	
Standby losses **	W	47	64
Netto weight	kg	104	134
Dimensions	mm	Ø680x1000	Ø680x1370

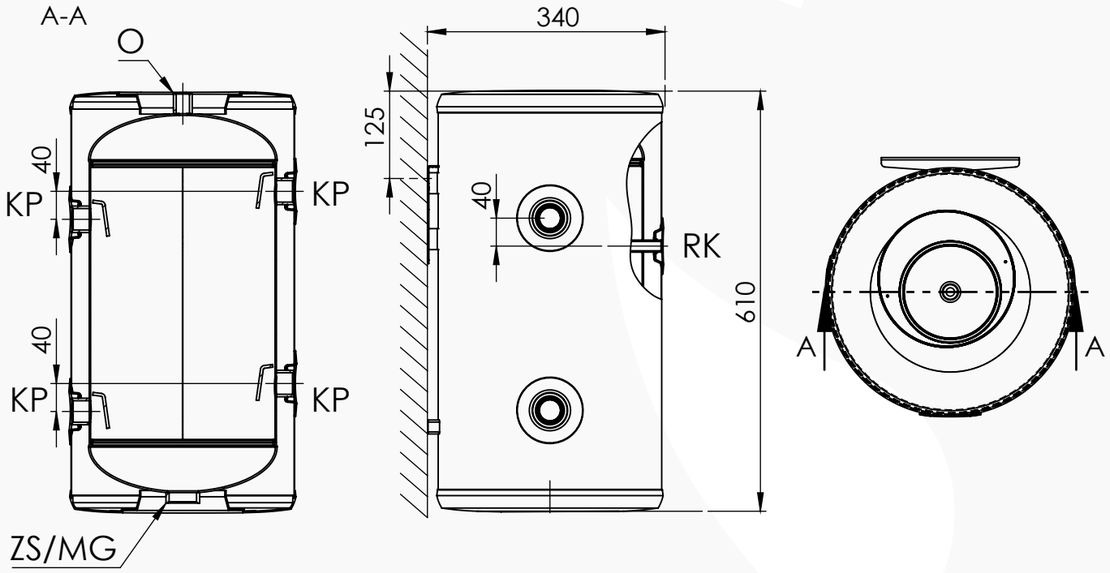
* 80°C, 70°C, 60°C, 55°C, 45°C – heating water temperature at the inlet to the coil
10°C – domestic water supply temperature
60°C, 45°C, 40°C – domestic hot water temperature
** in accordance with the applicable EU Commission Regulation No. 812/2013 and 814/2013

NØRDIS NBT-SW "SLIM"

WALL MOUNTED BUFFER TANK FOR HEAT PUMP

NBT-SW type DHW tanks are designed for heating and storing domestic hot water in apartments, single-family and multi-family houses, buildings, public facilities, industrial installations, and other applications. Their compact design makes them especially suitable for installation in small spaces, particularly when used in combination with low-temperature water central heating boilers and heat pumps.

Construction of NBT-30SW buffer tank



Dimensions of the connections NBT-SW		
Pipe connection	KP	G 1"
Temperature sensor	CT	3/8"
Electric heater	MG	G 1 ¼"
Drain	ZS	G 1 ¼"
Air vent	O	G ½"

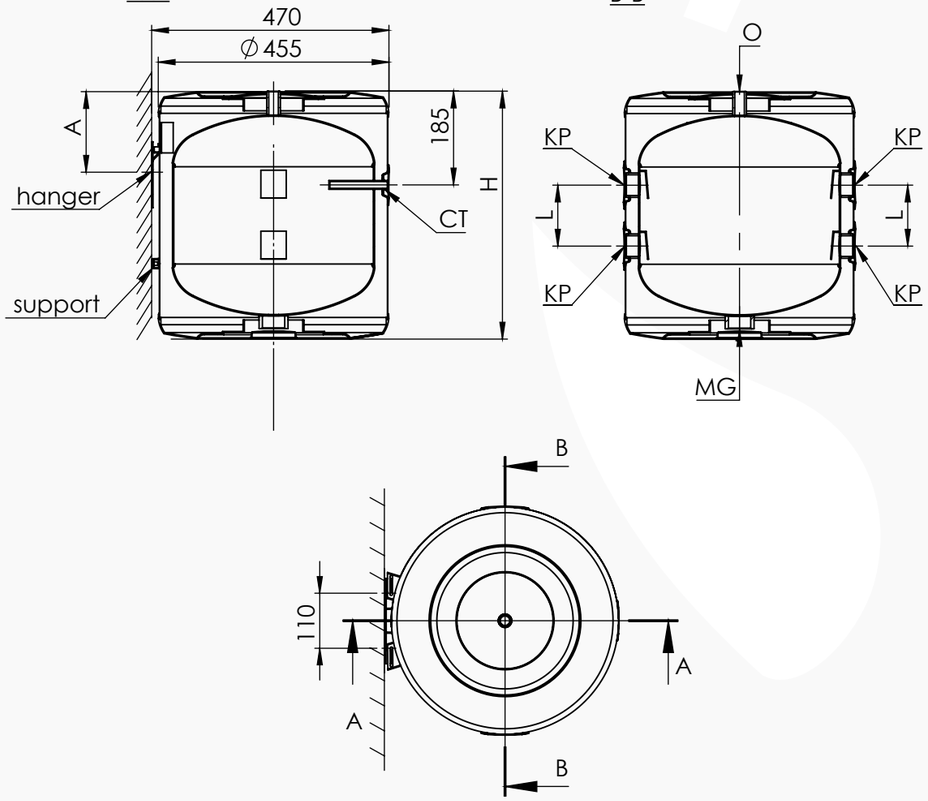
Model	Unit	NBT-30SW
Energy Class		B
Tank volume	l	27
Buffer tank material - steel (inside raw)		+
External cover - sheet metal shell covered with powder paint		+
Thermal insulation - polyurethane foam		+
Tank operating parameters: Maximum operating pressure Maximum operating temperature		0,3 MPa 95°C
Thermal insulation thickness	mm	25
Standby losses*	W	31
Netto weight	kg	18
Dimensions	mm	Ø340x610
*In accordance with the applicable EU Commission Regulation No. 812/2013 and 814/2013		

NØRDIS NBT-SW

WALL MOUNTED BUFFER TANK FOR HEAT PUMP

NBT-SW type DHW tanks are designed for heating and storing domestic hot water in apartments, single-family and multi-family houses, buildings, public facilities, industrial installations, and other applications, when used in combination with low-temperature water central heating boilers and, in particular, with heat pumps.

Construction of NBT-40-140SW buffer tank



Dimensions of the connections NBT-SW		
Pipe connection	KP	G 1 ¼"
Temperature sensor	CT	3/8"
Electric heater	MG	G 1 ½"
Air vent	O	G ½"

Unit Model	Unit	NBT-40SW	NBT-60SW	NBT-80SW	NBT-100SW	NBT-120SW	NBT-140SW
Energy Class		B	B	C	C	C	C
Tank volume	l	40	60	80	100	120	140
Buffer tank material - steel (inside raw)		+					
External cover - sheet metal shell covered with powder paint		+					
Thermal insulation - polyurethane foam		+					
Tank operating parameters: Maximum operating pressure Maximum operating temperature		0,3 MPa 95 °C					
Thermal insulation thickness	mm	25					
Standby losses*	W	34	43	51	60	68	76
Netto weight	kg	22	29	35	40	44	58
Dimensions	mm	Ø470x490	Ø470x645	Ø470x810	Ø470x970	Ø470x1130	Ø470x1290
*In accordance with the applicable EU Commission Regulation No. 812/2013 and 814/2013							

NØRDIS NBT-SF

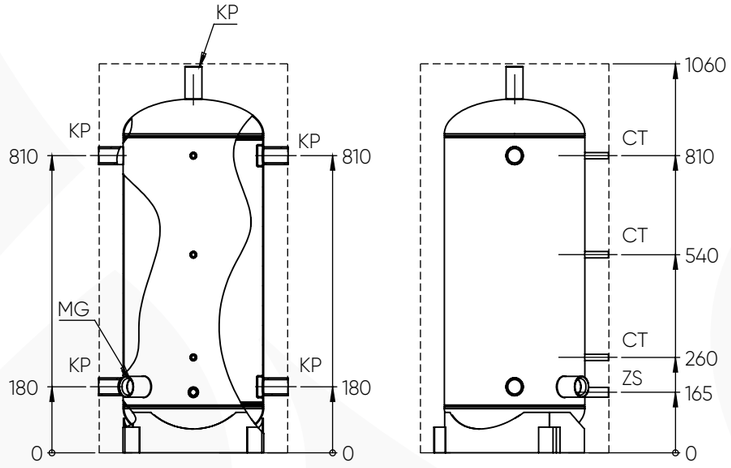
WALL MOUNTED BUFFER TANK FOR HEAT PUMP

NBT-SF buffer tanks are designed to collect, store, and transfer excess hot water or other fluids approved for contact with steel, obtained from various heat sources: central heating boilers, solar collectors, heat pumps, etc. Buffer tanks protect central heating systems by absorbing the difference between the boiler's thermal output and the output transferred to the heating system. The maximum operating pressure of the tank is 0.3 MPa.

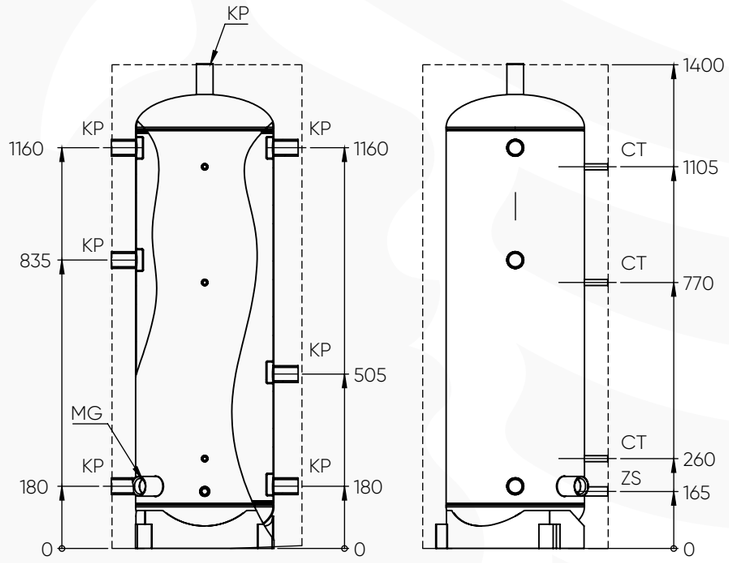
Unit Model	Unit	NBT-100SF	NBT-150SF	NBT-220SF	NBT-250SF	NBT-300SF	NBT-400SF	NBT-500SF
Energy Class		A	B	B	B	C	B	B
Tank volume	l	105	147	222	262	318	433	498
Buffer tank material - steel (inside raw), outside covered with anti-corrosion paint		+						
External cover - faux leather		+						
Thermal insulation - polystyrene foam		+						
Tank operating parameters: Maximum operating pressure Operating temperatures		0.3 MPa; 15°C ~ 80°C						
Thermal insulation thickness	mm	70	70	70	70	70	100	100
Standby losses	W	32	43	52	61	72	60	67
Netto weight	kg	40	50	57	67	87	95	120
Dimensions	mm	Ø540x1060	Ø540x1400	Ø650x1340	Ø650x1525	Ø650x1805	Ø810x1785	Ø810x2010
*In accordance with the applicable EU Commission Regulation No. 812/2013 and 814/2013								

Dimensions of the connections NBT-SF		NBT-100SF	NBT-150SF	NBT-220SF	NBT-250SF	NBT-300SF	NBT-400SF	NBT-500SF
Pipe connection	KP1	-		G 1 ¼"				
Pipe connection	KP	G 1 ¼"		G 1 ½"				
Temperature sensor	CT	3/8"						
Electric heater	MG	G 1 ½"						
Drain	ZS	G ½"	G ¾"					

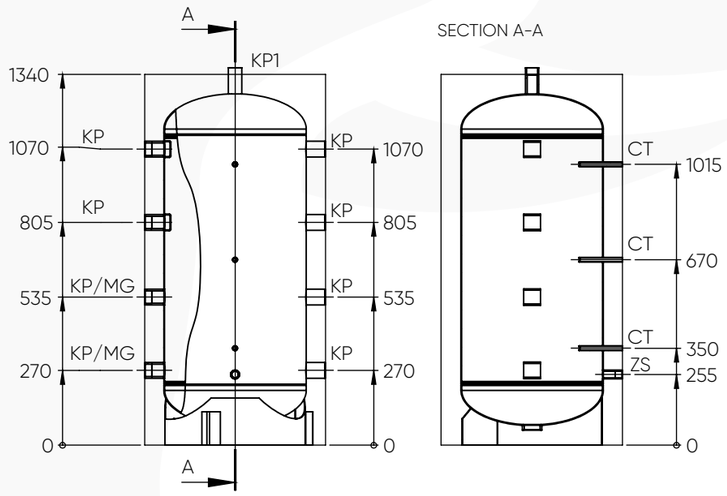
Construction of NBT-100SF buffer tank



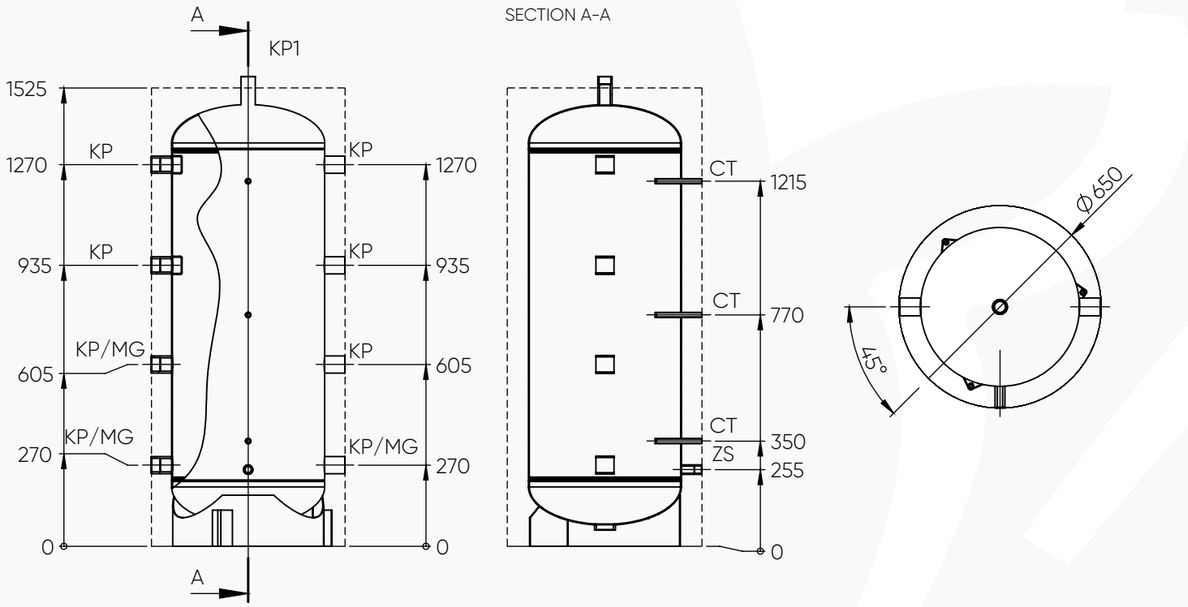
Construction of NBT-150SF buffer tank



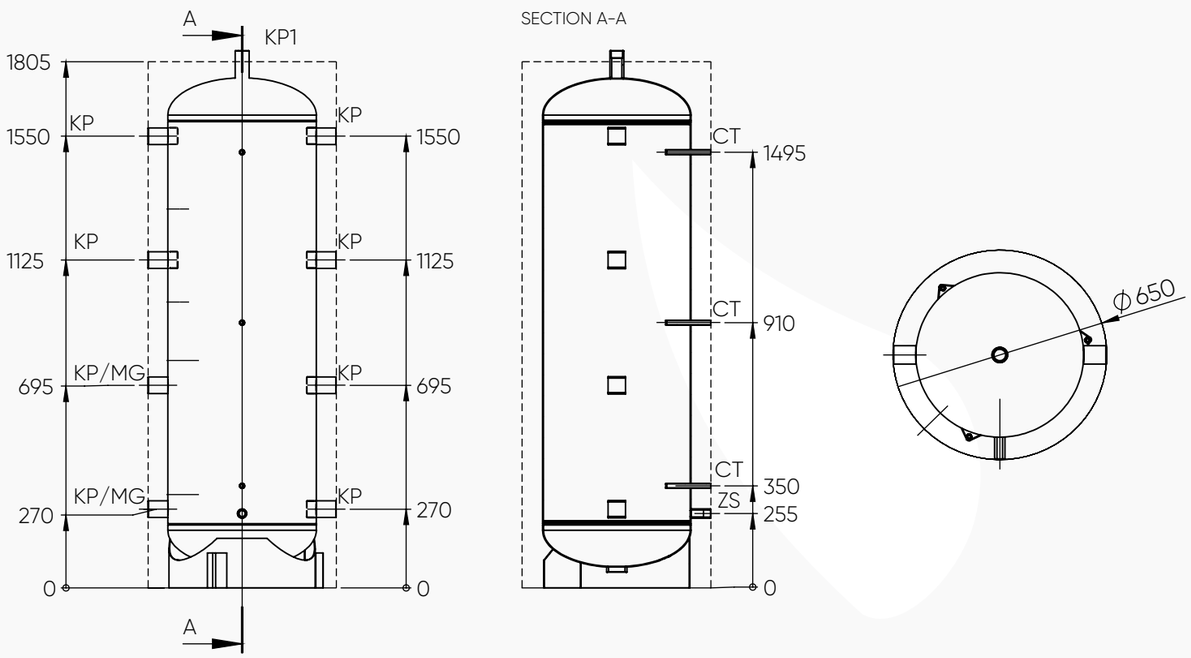
Construction of NBT-220SF buffer tank



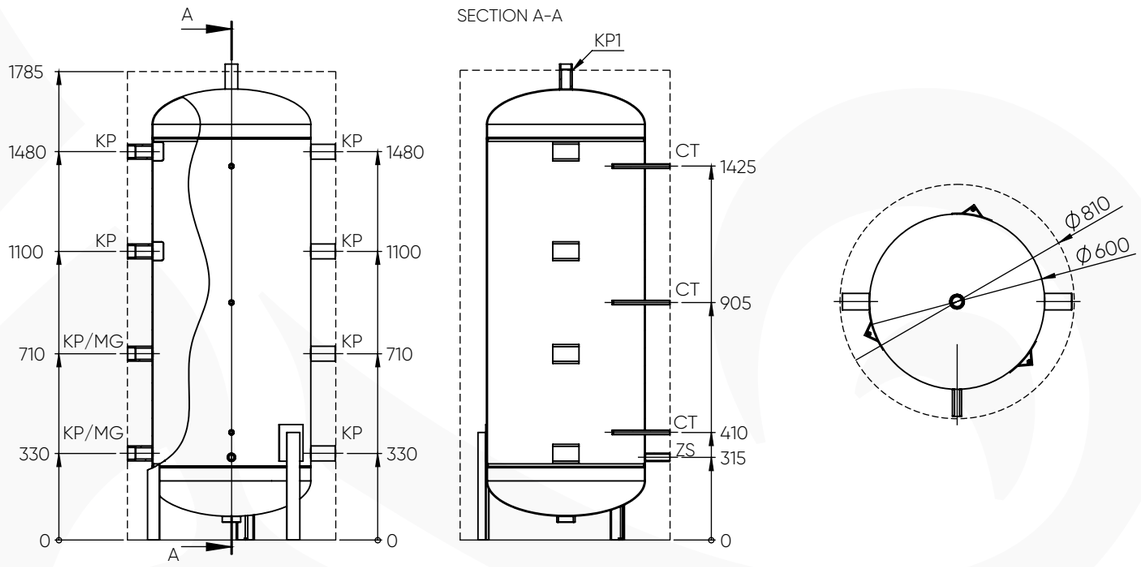
Construction of NBT-250SF buffer tank



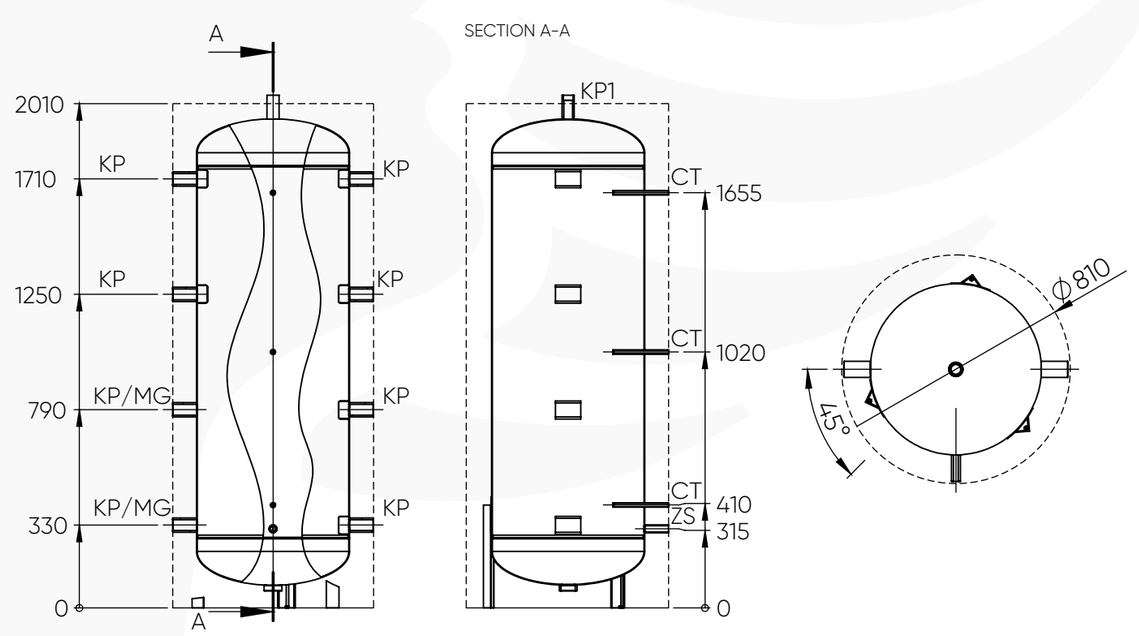
Construction of NBT-300SF buffer tank



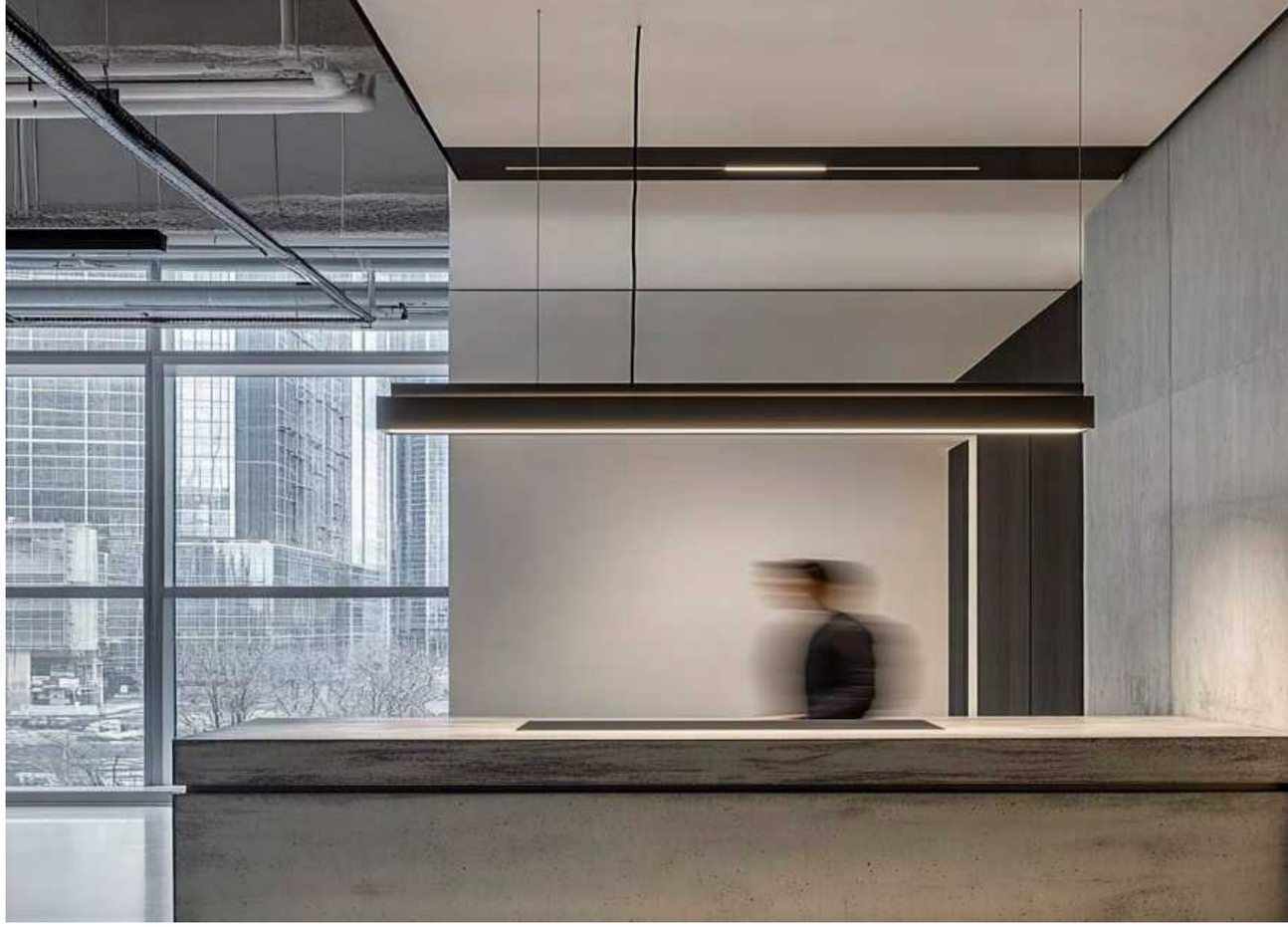
Construction of NBT-400SF buffer tank



Construction of NBT-500SF buffer tank



DC FAN COIL UNITS



Low Operating Costs.
Optimal Energy Consumption.
Long Life Cycle

NØRDIS DC Fan Coil Units are designed to be universally suitable for different environments and circumstances.

Four different types – 4-way Cassette units, duct units, wall-mounted units, and ceiling & floor units – are easily integrated into various indoor technical structures and additional equipped systems. The equipment in the range is ideal for a wide range of premises that require the highest air quality standards, including hospitals, offices, hotels, airports, and more.

NØRDIS DC Fan Coils are an economical and high-quality solution for various cooling and heating needs.

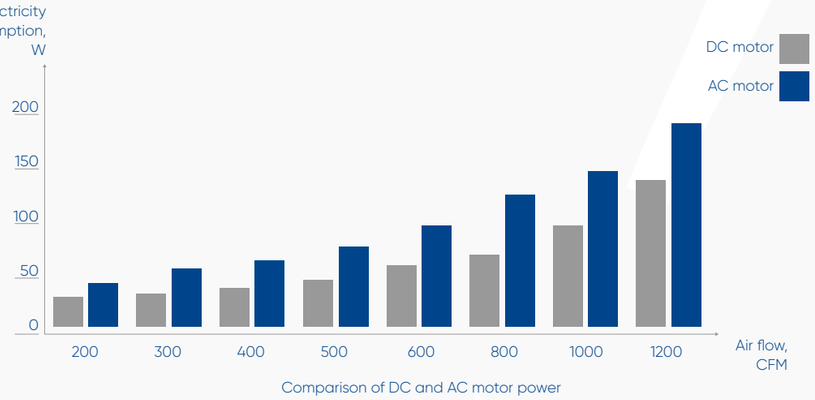
Nomenclature

NFC-V 600R-2-2P

- 2 - 2-row heat exchanger;
  3 - 3-row heat exchanger;
  4 - 4-row heat exchanger
- 2P - 2-pipe system;
  4P - 4-pipe system.
- Model
- Fan Coil with DC fans
- Fan Coil Type:
  C - cassette units;
  W - wall-mounted units;
  D - duct units;
  F - ceiling & floor units.

Features of NØRDIS Fan Coils

Economy



Comparison of DC and AC motor power

Comply with CE Regulation

The energy consumption of NØRDIS DC Fan Coils is up to 30% lower compared to the corresponding AC type device.

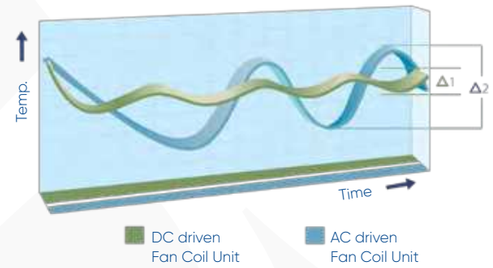
The Latest Technology

DC driven motor

DC Brushless Fan Motor

The latest in energy-efficient devices are carefully crafted with cutting-edge DC technology. These devices work precisely, guaranteeing not just lower energy usage but also quiet performance. The technology not only emphasizes sustainability but also sets new standards for comfort and efficiency.

Comfort Guaranteed



Quiet Operation

NØRDIS DC Fan Coil units are 2-5 dB (A) lower in noise compared to AC motor fan coil units, creating a quiet environment for work and rest.

Constant Level of Air Temperature

The NØRDIS DC Fan Coil motor adjusts the air flow according to the thermal load, instantly reducing temperature fluctuations and improving the living environment.

Universal Adjustment

Cassette Fan Coil Unit

Wall-mounted Fan Coil Unit

Duct Fan Coil Unit

Ceiling&Floor Fan Coil Unit

The range of NØRDIS DC Fan Coils includes four types of units: cassette unit, Ceiling&Floor unit, duct unit, and wall-mounted unit. The air volume ranges from 250 m3/h to 2500 m3/h.
It is a versatile range, suitable for any residential, commercial, or public space

NØRDIS Fan Coil Units

One of the most versatile ranges on the market

Four different types:

- 4-way cassette units,
- duct units,
- wall mounted units,
- ceiling&floor units.

Fan Coils are easily integrated into various technical structures and additionally equipped systems.

With an airflow range of 250 m^3/h to 2500 m^3/h, the equipment in the range is perfect for a variety of environments that require the highest air quality standards, including hospitals, offices, hotels, airports, etc.

TYPES OF NØRDIS FAN COIL UNITS					
Ceiling & Floor	Wall-mounted	Duct	Compact 4-way cassette	4-way cassette	Air volume (CFM)
○					150
		○			200
○	○				250
	○	○	○		300
○					350
	○	○	○		400
					450
○	○	○	○		500
	○	○		○	600
○					700
				○	750
○		○			800
				○	850
					900
				○	950
		○			1000
		○		○	1200
				○	1500

NØRDIS NFC

CASSETTE FAN COIL UNITS

NØRDIS Cassette Fan Coils are advanced units designed for optimal performance, low noise level maintenance, and flexibility in installation and management. The innovative DC brushless fan motor not only ensures maximum comfort but also guarantees economical operation. Compared to traditional motors, it is extremely efficient, which reduces electricity consumption by up to 30%.

Due to the convenient design, the devices are easy to install and maintain.

Stylish 360° Panel with Large Airflow Outlet

A wide selection:
two models of different sizes are available.

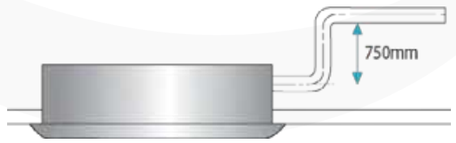
Compact size models:
NFC-V300
NFC-V400
NFC-V500

Standard size models:
NFC-V600R
NFC-V750R
NFC-V850R
NFC-V950R
NFC-V1200R
NFC-V1500R

Thanks to the DC brushless fan motor, the device works extremely efficiently efficiently and quietly.

- Energy-saving: Reduces electricity consumption by up to 30%.
- Higher efficiency.
- Greater comfort: smaller fluctuations in temperature and relative humidity.
- Ultra-quiet operation.
- Lower wear and higher reliability.
- Longer motor life.

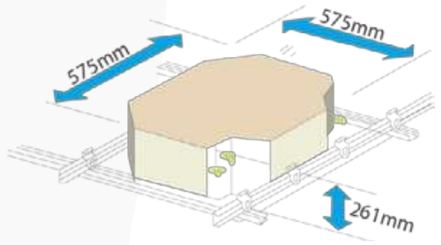
Includes drainage pump: standard built-in drain pump with 750 mm pump head for normal size and 500 mm for compact size.



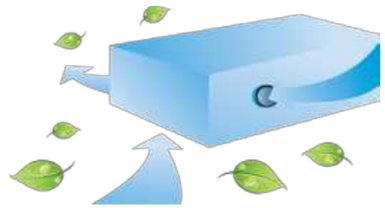
Extended condensate tray for greater ceiling protection.

Compact Design, Easy Installation

The extremely compact casing complements any room's decor and requires minimal space for installation, even on low ceilings. Thanks to its compact body and lightweight design, all models can be installed without the need for a hoist.



The cassette unit allows fresh air to enter, enhancing the overall air quality in the room.



Model			NFC-V300-2-2P	NFC-V400-2-2P	NFC-V500-2-2P
Power supply		V/F/Hz	220-240/1/50		
Air flow (H/M/L)		m^3/h	535/429/322	610/477/381	781/611/494
		CFM	314/252/189	359/281/224	459/359/290
Cooling[1]	Capacity (H/M/L)	kW	2,98/2,53/2	3,96/3,26/2,76	4,2/3,48/3,01
	Water flow rate (H/M/L)	m^3/h	0,53/0,45/0,35	0,7/0,58/0,51	0,75/0,61/0,54
	Water pressure drop (H/M/L)	kPa	10/7/5	11,48/8,2/6,54	12,32/8,62/7,4
	Power input (H/M/L)	W	15/9/5	28/15/9	43/28/21
Heating[2]	Capacity (H/M/L)	kW	2,61/2,31/2,24	4,08/3,34/2,73	4,95/3,99/3,26
	Water flow rate (H/M/L)	m^3/h	0,64/0,54/0,42	0,83/0,67/0,56	0,87/0,70/0,58
	Water pressure drop (H/M/L)	kPa	12,1/8,5/5,3	9,2/8,6/6	9,4/8,23/6,1
	Power input (H/M/L)	W	15/9/5	28/16/10	33/18/11
Heating[3]	Capacity (H/M/L)	kW	4,01/3,35/2,61	4,78/3,84/3,18	5,76/4,69/3,84
	Water flow rate (H/M/L)	m^3/h	0,53/0,45/0,35	0,7/0,58/0,51	0,75/0,61/0,54
	Water pressure drop (H/M/L)	kPa	8,2/6/3,8	12,68/6,4/4,92	11,41/6,5/5,41
	Power input (H/M/L)	W	14/9/5	28/16/10	33/18/11
Sound pressure level	(H/M/L)	dB (A)	39/33/27	42/36/30	43/38/32
Fan motor	Type		DC Motor	DC Motor	DC Motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row		2	2	2
	Max, Working pressure	MPa	1,6	1,6	1,6
	Diameter	mm	Ø7	Ø7	Ø7
Panel	Net dimensions (W×H×D)	mm	647×50×647	647×50×647	647×50×647
	Packing size (W×H×D)	mm	715×123×715	715×123×715	715×123×715
	Net weight	kg	2,5	2,5	2,5
	Gross weight	kg	4,5	4,5	4,5
Body	Net dimensions (W×H×D)	mm	575×261×575	575×261×575	575×261×575
	Packing size (W×H×D)	mm	670×290×670	670×290×670	670×290×670
	Net weight	kg	16,5	16,5	16,5
	Gross weight	kg	22,5	22,5	22,5
Pipe connections	Water inlet/outlet pipe	Inch	G3/4	G3/4	G3/4
	Drain pipe	mm	Ø25	Ø25	Ø25
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.					

Model			NFC-V600R-2-2P	NFC-V750R-2-2P	NFC-V850R-2-2P
Power supply		V/F/Hz	220-240/1/50		
Air flow (H/M/L)		m^3/h	1175/987/768	1229/1020/810	1451/1146/1012
		CFM	691/580/451	722/600/476	853/674/595
Cooling[1]	Capacity (H/M/L)	kW	5,93/5,3/4,4	6,12/5,45/4,6	7,52/6,46/5,89
	Water flow rate (H/M/L)	m^3/h	1,06/0,92/0,77	1,10/0,96/0,81	1,37/1,18/1,07
	Water pressure drop (H/M/L)	kPa	19,2/15,4/11	21,3/21,3/12,4	20,1/15,3/12,6
	Power input (H/M/L)	W	41/27/17	49/31/20	68/37/30
Heating[2]	Capacity (H/M/L)	kW	6,06/5,72/5,32	6,27/5,88/5,43	7,88/7,48/6,76
	Water flow rate (H/M/L)	m^3/h	1,30/1,14/1,13	1,39/1,20/1,00	1,66/1,39/1,25
	Water pressure drop (H/M/L)	kPa	25,9/20,1/19,9	30/22,7/16,3	26,7/18,8/15,6
	Power input (H/M/L)	W	42/28/17	44/32/20	66/37/28
Heating[3]	Capacity (H/M/L)	kW	8,42/7,37/6,06	8,62/7,49/6,27	10,37/8,72/7,88
	Water flow rate (H/M/L)	m^3/h	1,06/0,92/0,77	1,10/0,96/0,81	1,37/1,18/1,07
	Water pressure drop (H/M/L)	kPa	16,9/12,7/8,6	19,1/14,8/10,6	18,2/13,6/11,1
	Power input (H/M/L)	W	42/28/17	49/31/19	67/37/28
Sound pressure level		dB (A)	43/39/33	44/40/34	45/40/37
Fan motor	Type		DC Motor	DC Motor	DC Motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row		2	2	2
	Max, Working pressure	MPa	1,6	1,6	1,6
	Diameter	mm	Ø7	Ø7	Ø7
Panel	Net dimensions (W×H×D)	mm	950×45×950	950×45×950	950×45×950
	Packing size (W×H×D)	mm	1035×90×1035	1035×90×1035	1035×90×1035
	Net weight	kg	6	6	6
	Gross weight	kg	9	9	9
Body	Net dimensions (W×H×D)	mm	840×230×840	840×230×840	840×300×840
	Packing size (W×H×D)	mm	900×237×900	900×237×900	900×330×900
	Net weight	kg	23	23	27
	Gross weight	kg	28	28	33
Pipe connections	Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4
	Drain pipe	mm	Ø32	Ø32	Ø32
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.					

Model			NFC-V950R-2-2P	NFC-V1200R-2-2P	NFC-V1500R-3-2P
Power supply		V/F/Hz	220-240/1/50		
Air flow (H/M/L)		m^3/h	1530/1224/1101	1581/1371/1236	1871/1415/1198
		CFM	900/720/647	930/806/727	1100/832/704
Cooling[1]	Capacity (H/M/L)	kW	7,84/6,84/6,35	7,87/7,12/6,67	11,19/8,82/7,48
	Water flow rate (H/M/L)	m^3/h	1,43/1,24/1,13	1,44/1,28/1,22	1,96/1,53/1,28
	Water pressure drop (H/M/L)	kPa	22/17/14,1	22,3/18,1/16,3	36,6/22,7/16,4
	Power input (H/M/L)	W	75/42/34	85/59/45	126/58/39
Heating[2]	Capacity (H/M/L)	kW	8,49/8/7,35	9,16/8,54/7,9	10,07/9,37/8,68
	Water flow rate (H/M/L)	m^3/h	1,71/1,45/1,33	1,73/1,57/1,46	2,35/1,86/1,59
	Water pressure drop (H/M/L)	kPa	28,1/20,7/17,4	28,8/24/20,7	49,2/31,2/23,3
	Power input (H/M/L)	W	76/43/33	86/59/45	128/58/38
Heating[3]	Capacity (H/M/L)	kW	10,86/9,24/8,49	10,92/9,84/9,16	14,92/11,73/10,07
	Water flow rate (H/M/L)	m^3/h	1,43/1,24/1,13	1,44/1,28/1,22	1,96/1,53/1,28
	Water pressure drop (H/M/L)	kPa	19,9/15,2/12,6	20/16,2/14,7	34,3/21,3/15
	Power input (H/M/L)	W	76/42/33	85/58/45	127/58/39
Sound power pressure (H/M/L)		dB (A)	46/42/39	48/44/41	49/43/39
Fan motor	Type		DC Motor	DC Motor	DC Motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row quantity		2	2	3
	Max. Working pressure	MPa	1,6	1,6	1,6
	Diameter	mm	Ø7	Ø7	Ø7
Panel	Net dimensions (W×H×D)	mm	950×45×950	950×45×950	950×45×950
	Packing size (W×H×D)	mm	1035×90×1035	1035×90×1035	1035×90×1035
	Net weight	kg	6	6	6
	Gross weight	kg	9	9	9
Body	Net dimensions (W×H×D)	mm	840×300×840	840×300×840	840×300×840
	Packing size (W×H×D)	mm	900×330×900	900×330×900	900×330×900
	Net weight	kg	27	27	29,5
	Gross weight	kg	33	33	34,5
Pipe connections	Water inlet/outlet pipe	Inch	RC3/4	RC3/4	RC3/4
	Drain pipe	mm	Ø32	Ø32	Ø32
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.					

Notes:

H:High fan speed; M: Medium fan speed; L: Low fan speed.

[1] Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.

[2] Heating mode(1): (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.

[3] Heating mode(2): (2-pipe coil): entering air temperature 20°C DB, enter water teperaure/water flow 50°C/*(same water flow as in standard rating condition in cooling)

[4] Noise is tested in a semi-anechoic test room.

[5] Sound power level is tested in a reverberation chamber.

NØRDIS NFD

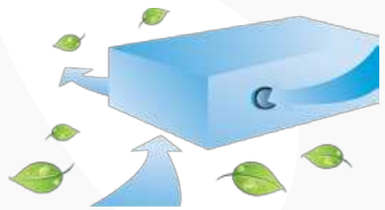
DUCT FAN COIL UNITS

The NØRDIS Duct Fan Coil is a powerful and versatile device capable of operating within a wide range of static pressure. With convenient pipe connections, installation is flexible and straightforward, making it suitable for various locations. The integration of a DC brushless fan motor ensures high efficiency and low noise. Additionally, the device comes equipped with a standard return air collector featuring a filter, ensuring the supply of clean air and maintaining a stable airflow.

Various Selections:

accommodates a wide range of static pressure.

The Duct Unit allows fresh air to enter, enhancing the overall air quality in the room.



Thanks to the DC brushless fan motor, the device works extremely efficiently efficiently and quietly.

Standard return air filter for clean air supply and stable air flow.

Model			NFD-V200-4-2P	NFD-V300-4-2P	NFD-V400-4-2P	NFD-V500-4-2P
Power supply		V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)		m^3/h	441/297/227	627/468/338	778/537/349	884/642/461
		CFM	259/174/133	368/275/198	458/316/205	520/377/271
Standard external static pressure		Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling[1]	Capacity (H/M/L)	kW	2,22/1,59/1,2	3,19/2,58/1,87	4,06/3,26/2,41	4,46/3,56/2,78
	Water flow rate (H/M/L)	m^3/h	0,40/0,30/0,23	0,57/0,47/0,34	0,72/0,59/0,43	0,80/0,63/0,50
	Water pressure drop (H/M/L)	kPa	2,44/1,52/1	5,24/3,61/2,36	8,4/5,9/3,49	11,6/8,1/5,6
	Power input (H/M/L)	W	17-9-6	21-12-7	29/16/9	43/23/14
Heating[2]	Capacity (H/M/L)	kW	2,81/2/1,54	3,88/3,09/2,35	4,19/3,42/2,49	5,44/4,23/3,23
	Water flow rate (H/M/L)	m^3/h	0,51/0,37/0,29	0,67/0,56/0,42	0,84/0,68/0,51	0,96/0,76/0,57
	Water pressure drop (H/M/L)	kPa	2/1,76/1,2	4,3/4,29/2,8	6,99/6,4/3,8	10,64/9,83/6,68
	Power input (H/M/L)	W	18-9-7	23/13/8	32/18/10	41/22/12
Heating[3]	Capacity (H/M/L)	kW	3,23/2,32/1,75	4,5/3,6/2,68	5,6/4,59/3,36	6,25/4,88/3,74
	Water flow rate (H/M/L)	m^3/h	0,40/0,30/0,23	0,57/0,47/0,34	0,72/0,59/0,43	0,80/0,63/0,50
	Water pressure drop (H/M/L)	kPa	2,99/1,2/0,71	5,85/3,1/1,9	9,1/4,9/2,8	14,06/7,6/5,5
	Power input (H/M/L)	W	19-9-6	23/13/8	32/18/10	42/21/11
Sound power pressure (H/M/L)	0Pa (H/M/L)	dB (A)	37,3/27,4/22,2	39,6/32,5/25,0	41,1/34,5/26,4	44,8/37,2/29,8
Fan motor	Type		DC Motor	DC Motor	DC Motor	DC Motor
	Quantity		1	1	1	1
Fan	Type		Centrifugal, forward-curved Blades			
	Quantity		1	2	2	2
Coil	Row quantity		4	4	4	4
	Max. Working pressure	MPa	1,6	1,6	1,6	1,6
	Diameter	mm	Ø 9,52	Ø 9,52	Ø 9,52	Ø 9,52
Net dimensions (W×H×D)		mm	741×241×522	841×241×522	941×241×522	941×241×522
Packing size (W×H×D)		mm	790×260×555	890×260×560	990×260×560	990×260×560
Net weight		kg	17,8	20	21,9	21,9
Gross weight		kg	20,4	22,9	25,1	25,1
Water inlet/outlet pipe		Inch	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		Inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.						

Model			NFD-V600-4-2P	NFD-V800-4-2P	NFD-V1000-4-2P	NFD-V1200-4-2P
Power supply		V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)		m^3/h	1056/793/575	1506/1084/822	1813/1341/932	2134/1617/1119
		CFM	621/466/338	885/637/483	1066/788/548	1255/951/658
Standard external static pressure		Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling[1]	Capacity (H/M/L)	kW	5,87/4,78/3,68	6,65/5,04/3,61	7,98/6,19/4,37	9,76/7,81/5,72
	Water flow rate (H/M/L)	m^3/h	1,06/0,86/0,65	1,19/0,88/0,64	1,47/1,12/0,78	1,78/1,41/1,02
	Water pressure drop (H/M/L)	kPa	19,4/13,6/8,5	8,8/5,09/2,8	13,81/8,63/4,75	22,31/15/8,98
	Power input (H/M/L)	W	51/25/12	61/27/16	93/49/21	109/50/22
Heating[2]	Capacity (H/M/L)	kW	6,47/5,18/3,91	8,36/6,32/4,77	9,92/7,94/5,86	11,76/9,32/6,76
	Water flow rate (H/M/L)	m^3/h	1,11/0,90/0,67	1,43/1,12/0,86	1,68/1,35/1,00	2,01/1,60/1,15
	Water pressure drop (H/M/L)	kPa	16,31/12,6/7,41	7,7/6,97/4,3	19,72/18,9/11,1	20,04/16,93/9,62
	Power input (H/M/L)	W	56/27/13	66/30/16	102/46/20	119/55/24
Heating[3]	Capacity (H/M/L)	kW	7,72/6,19/4,68	9,55/7,14/5,23	11,55/9/6,46	14,34/11,31/8,3
	Water flow rate (H/M/L)	m^3/h	1,06/0,86/0,65	1,19/0,88/0,64	1,47/1,12/0,78	1,78/1,41/1,02
	Water pressure drop (H/M/L)	kPa	17,92/11,31/7	10,9/4,49/2,5	15,42/7,5/4,1	24,94/13,46/13,48
	Power input (H/M/L)	W	56/27/13	67/29/16	103/46/20	121/54/23
Sound power pressure (H/M/L)	0Pa (H/M/L)	dB (A)	46,1/39,4/30,7	47,4/39,1/32,1	50,4/42,7/33,1	50,7/43,8/34,5
Fan motor	Type		DC Motor	DC Motor	DC Motor	DC Motor
	Quantity		1	2	2	2
Fan	Type		Centrifugal, forward-curved Blades			
	Quantity		2	4	4	4
Coil	Row quantity		4	4	4	4
	Max. Working pressure	MPa	1,6	1,6	1,6	1,6
	Diameter	mm	Ø 9,52	Ø 9,52	Ø 9,52	Ø 9,52
Net dimensions (W×H×D)		mm	1161×241×522	1461×241×522	1566×241×522	1856×241×522
Packing size (W×H×D)		mm	1210×260×560	1510×260×560	1615×260×560	1905×260×560
Net weight		kg	25	34,8	36,4	41,9
Gross weight		kg	28,8	39,2	41,9	47,2
Water inlet/outlet pipe		Inch	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		Inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.						

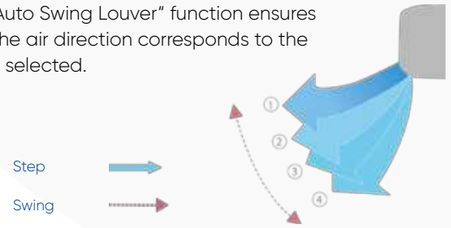
NØRDIS NFW

WALL-MOUNTED FAN COIL UNITS

The NØRDIS wall-mounted Fan Coil features a stylish LED display, ensuring convenient control. This Fan Coil is a perfect match for any interior. The energy-saving DC motor, integrated into the device, guarantees reliable and efficient use with economical energy consumption. Seamless integration with other systems is also ensured. The included remote control provides convenient access to all functions, making it easy to operate.

The stylish front panel easily integrates into various interior decors, making it suitable for use in shops, restaurants, or offices.

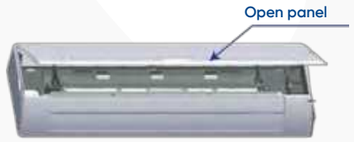
The „Auto Swing Louver" function ensures that the air direction corresponds to the mode selected.



Multidirectional pipe connection:

Standard pipe connection from the right-hand side. The drain pipe is connected from the left-hand side. Optional configuration: rear or left-hand side pipe connection available upon special order.

Removable front panel making maintenance convenient.



Model			NFW-V250C-2P	NFW-V300C-2P	NFW-V400C-2P	NFW-V500C-2P	NFW-V600C-2P
Power supply		V/Ph/Hz	220-240/1/50				
Air flow (H/M/L)		m^3/h	492/454/400	585/485/413	825/689/590	862/741/634	979/849/717
		CFM	289/267/235	344/285/242	485/405/347	507/435/372	575/499/421
Cooling[1]	Capacity (H/M/L)	kW	2,7/2,59/2,39	2,91/2,54/2,19	3,81/3,3/2,88	4,47/3,98/3,48	4,87/4,26/3,79
	Water flow rate (H/M/L)	m^3/h	0,48/0,46/0,42	0,51/0,45/0,38	0,67/0,57/0,51	0,77/0,68/0,61	0,85/0,72/0,65
	Water pressure drop (H/M/L)	kPa	31,61/28,63/ 25,36	37,2/29,73/ 23,36	56,75/41,23/ 33,02	41,17/33,54/ 27,05	50,68/39,47/ 33,66
	Power input (H/M/L)	W	13/11/10	15/11/9	34/22/15	26/18/13	38/26/18
Heating[2]	Capacity (H/M/L)	kW	2,94/2,8/2,58	3,23/2,77/2,42	4,3/3,65/3,09	4,84/4,23/3,62	5,26/4,68/3,96
	Water flow rate (H/M/L)	m^3/h	0,51/0,49/0,46	0,56/0,49/0,42	0,73/0,64/0,56	0,84/0,73/0,64	0,89/0,80/0,68
	Water pressure drop (H/M/L)	kPa	32,66/34,89/ 30,24	34,12/31,53/ 25,1	51,86/47,53/ 35,69	36,82/33,83/ 26,26	47,12/42,75/ 32,95
	Power input (H/M/L)	W	11/11/9	14/10/8	31/20/14	22/16/12	33/23/16
Heating[3]	Capacity (H/M/L)	kW	3,29/3,03/2,63	3,76/3,22/2,77	5,08/4,33/3,77	5,68/4,94/4,24	6,31/5,57/4,77
	Water flow rate (H/M/L)	m^3/h	0,48/0,46/0,42	0,51/0,45/0,38	0,67/0,57/0,51	0,77/0,68/0,61	0,85/0,72/0,65
	Water pressure drop (H/M/L)	kPa	37,49/30,25/ 26,53	40,64/27,03/ 20,98	61,94/37,88/ 30,34	43,74/29,69/ 23,98	51,65/36,3/ 30,3
	Power input (H/M/L)	W	12/10/8	14/10/8	31/20/14	23/16/12	33/23/16
Sound power level (H/M/L)		dB (A)	44/42/39	44/39/35	57/51/47	50/46/42	56/52/47
Rated current		A	0,16	0,19	0,28	0,32	0,39
Fan motor	Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Quantity		1	1	1	1	1
Fan	Type		Tangential	Tangential	Tangential	Tangential	Tangential
	Quantity		1	1	1	1	1
Coil	Row Quantity		2	2	2	2	2
	Max. Working pressure	MPa	1,6	1,6	1,6	1,6	1,6
	Diameter	mm	Ø7	Ø7	Ø7	Ø7	Ø7
Net dimensions (W×H×D)		mm	915×290×234	915×290×234	915×290×234	1072×315×237	1072×315×237
Packing size (W×H×D)		mm	1020×390×315	1020×390×315	1020×390×315	1180×415×315	1180×415×315
Net weight		kg	12,7	12,7	12,7	15,1	14,9
Gross weight		kg	17,3	17,6	16,3	19	18,6
Water inlet/outlet pipe		Inch	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODØ20	ODØ20	ODØ20	ODØ20	ODØ20
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.							

Notes:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

[1] Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C /12°C, high fan speed.

[2] Heating mode (1): (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C, high fan speed.

[3] Heating mode (2): (2-pipe coil): entering air temperature 20°C DB, enter water teperaure/water flow 50°C/*(same water flow as in standard rating condition in cooling).

NØRDIS NFF2

CEILING & FLOOR FAN COIL UNITS

NØRDIS Ceiling & Floor Fan Coil can be installed both vertically - on the wall, and horizontally - on the ceiling. Due to its universal installation, it is one of the most popular types of Fan coils.
The units have a unique air outlet shape that reduces uneven air distribution and noise levels, resulting in a comfortable and quiet environment. Three-stage fan speeds allow you to control the airflow according to individual needs.

Flexible Installation

in both vertical and horizontal positions.

Features:

- Auto mode and a seven-speed fan motor.
- Ultra-thin design with a thickness of only 200 mm.
- Hysteresis temperature can be set in heating and cooling modes using a switch on the control board.
- Forced ventilation can be activated with a switch on the control panel.
- Centralized control function (BMS) can be connected through the custom XYE port.
- Gateway (Modbus) can be connected through the custom PQE port.
- Optional wired controller KJR-75A.
- Optional 0-10V wired control.

Thanks to the DC brushless fan motor, the device works extremely efficiently efficiently and quietly.

Model			NFF2-V150-3-2P	NFF2-V250-3-2P	NFF2-V350-3-2P
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m^3/h	255/170/150	400/315/190	595/470/340
		CFM	150/100/88	235/185/112	350/276/200
Standard external static pressure		Pa	0		
Cooling[1]	Capacity (H/M/L)	kW	1,50/1,06/0,92	2,35/1,94/1,19	3,50/2,89/2,22
	Water flow rate (H/M/L)	m^3/h	0,26/0,18/0,16	0,40/0,34/0,21	0,60/0,50/0,38
	Water pressure drop (H/M/L)	kPa	13,9/8,21/6,16	13,3/9,98/4,59	34,1/24,63/15,39
Heating[2]	Capacity (H/M/L)	kW	1,57/1,07/0,92	2,60/2,11/1,34	3,80/3,10/2,35
	Water flow rate (H/M/L)	m^3/h	0,27/0,19/0,16	0,45/0,37/0,23	0,65/0,53/0,40
	Water pressure drop (H/M/L)	kPa	15,1/7,63/5,84	14,3/10,33/4,5	35,1/24,41/14,82
Power input (H/M/L)		W	15/9/8	17/12/7	26/17/10
Sound power level (H/M/L)[3]		dB (A)	47/36/34	43/37/29	52/44/36
Fan motor	Type		Low noise DC fan motor		
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	2	2
Coil	Row quantity		3	3	3
	Max. Working pressure	MPa	1,6	1,6	1,6
	Diameter	mm	Ø7,94	Ø7,94	Ø7,94
Body	Net dimensions (W×H×D)	mm	790×495×200	1020×495×200	1240×495×200
	Packing size (W×H×D)	mm	895×595×300	1125×595×300	1345×595×300
	Net weight	kg	18,0	21,5	25,5
	Gross weight	kg	23,5	27,5	32,5
Water inlet/outlet pipe		Inch	G3/4	G3/4	G3/4
Drain pipe		mm	Ø18,5	Ø18,5	Ø18,5

Model			NFF2-V500-3-2P	NFF2-V700-3-2P	NFF2-V800-3-2P
Power supply		V/F/Hz	220-240/1/50		
Air flow (H/M/L)		m^3/h	790/580/410	1190/855/505	1360/1015/685
		CFM	488/359/253	700/503/297	800/597/403
Standard external static pressure		Pa	0		
Cooling[1]	Capacity (H/M/L)	kW	4,30/3,48/2,71	5,60/4,47/3,14	7,35/6,12/4,57
	Water flow rate (H/M/L)	m^3/h	0,74/0,60/0,47	0,96/0,77/0,54	1,27/1,05/0,79
	Water pressure drop (H/M/L)	kPa	54,2/36,22/22,78	50,7/33,38/17,73	44,1/33,7/19,41
Heating[2]	Capacity (H/M/L)	kW	4,70/3,70/2,81	6,00/4,77/3,36	8,05/6,46/4,71
	Water flow rate (H/M/L)	m^3/h	0,81/0,64/0,48	1,04/0,83/0,59	1,39/1,12/0,82
	Water pressure drop (H/M/L)	kPa	54,3/36,87/22,32	55,5/37,66/19,27	46,9/31,9/18,16
Power input (H/M/L)		W	50/25/14	96/44/17	113/53/22
Sound power level (H/M/L)[3]		dB (A)	59/51/43	64/56/45	63/58/49
Fan motor	Type		Low noise DC fan motor		
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		2	3	3
Coil	Row quantity		3	3	3
	Max. Working pressure	MPa	1,6	1,6	1,6
	Diameter	mm	Ø7,94	Ø7,94	Ø7,94
Body	Net dimensions (W×H×D)	mm	1240×495×200	1360×495×200	1360×591×200
	Packing size (W×H×D)	mm	1345×595×300	1465×595×300	1465×695×300
	Net weight	kg	25,5	28,5	32,5
	Gross weight	kg	32,5	36,0	41,0
Water inlet/outlet pipe		Inch	G3/4	G3/4	G3/4
Drain pipe		mm	Ø18,5	Ø18,5	Ø18,5
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.					

Notes:

H: H: High fan speed; M: Medium fan speed; L: Low fan speed.

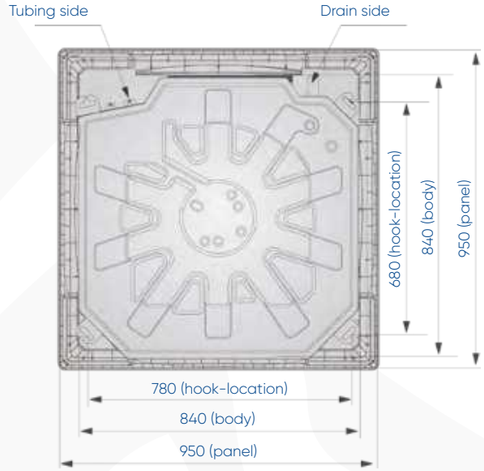
[1] Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.

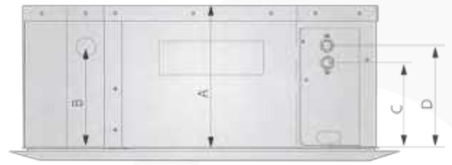
[2] Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB/15°C WB.

[3] Noise is tested in a reverberation chamber.

Dimensions

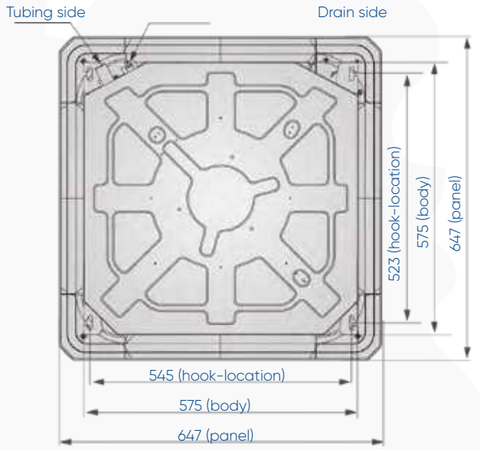
Standard 4-Way Cassette Fan Coil Units (Dimensions: mm)

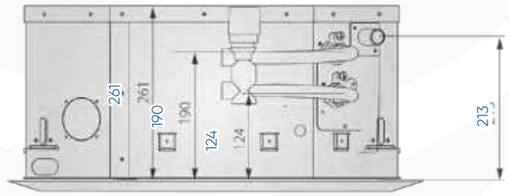




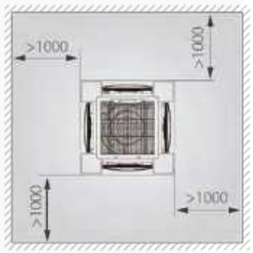
Model	A	B	C	D
NFC-V600R-2-2P NFC-V750R-2-2P	230	170	135	185
NFC-V950R-2-2P NFC-V1200R-2-2P NFC-V1500R-3-2P	300	190	145	195

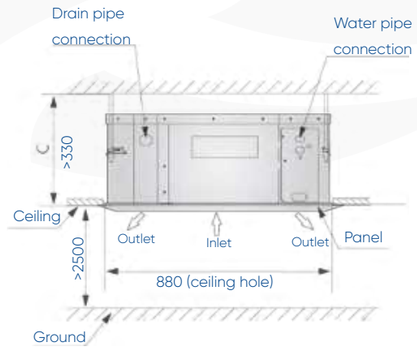
Compact 4-Way Cassette Fan Coil Units (Dimensions: mm)



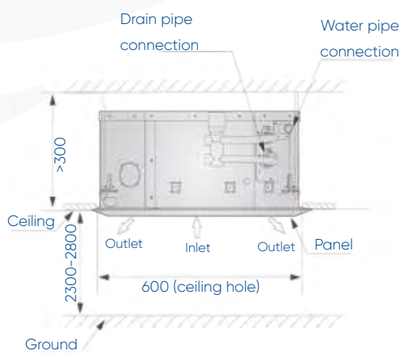


Service Areas (Dimensions: mm)



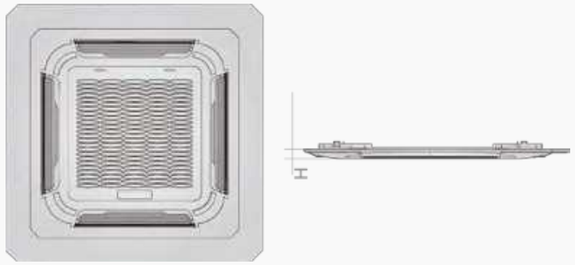


STANDARD SIZE CASSETTE



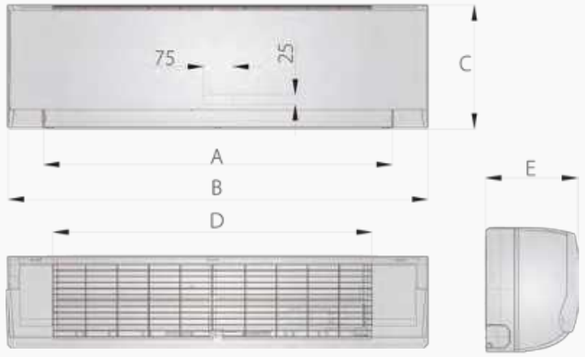
COMPACT SIZE CASSETTE

Height of the Front Panel



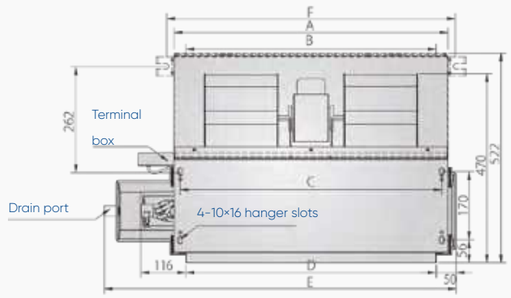
Type	H (mm)
Standard-sized cassette	45
Compact-sized cassette	50

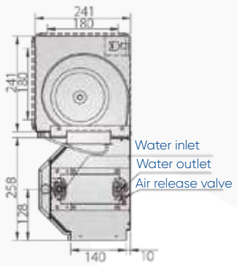
Wall Mounted



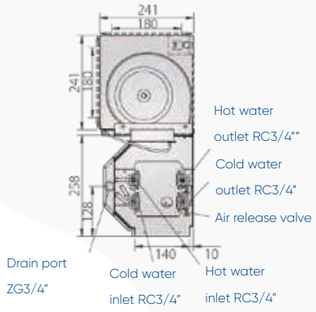
Model	NFW-V250C-2P NFW-V300C-2P NFW-V400C-2P	NFW-V500C-2P NFW-V600C-2P
A	732	892
B	915	1072
C	290	315
D	663	813
E	233	237

Ducted Fan Coil Units



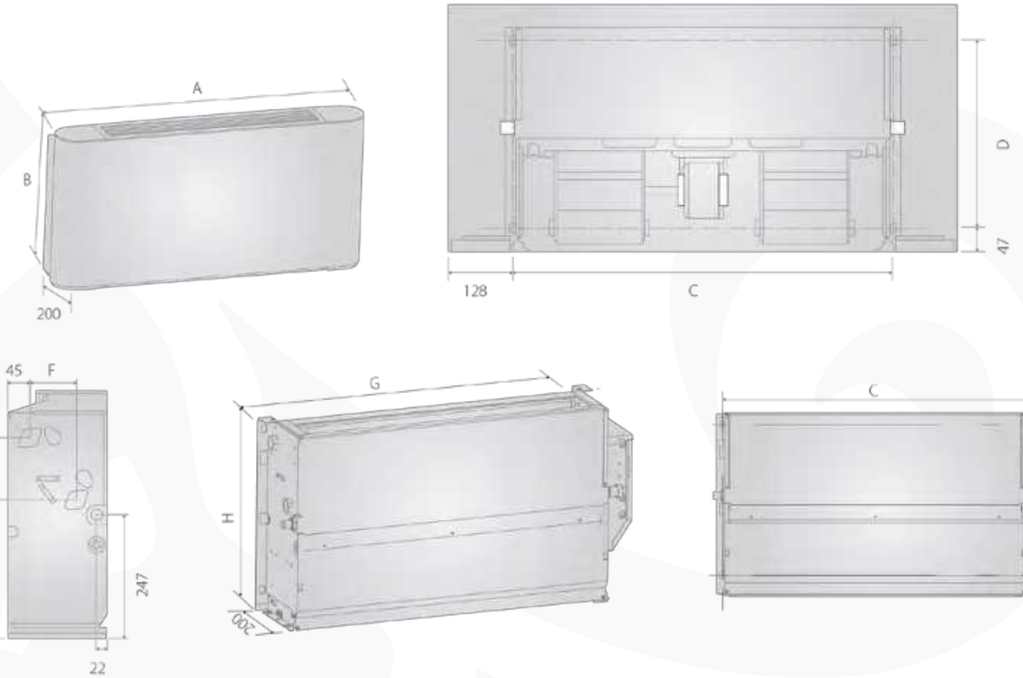


2 PIPE DUCT



4 PIPE DUCT

Ceiling&Floor



Smart Control Solutions

Wall-mounted and Cassette Fan Coils are equipped with a standard remote control, and Ceiling&Floor ones with a wired controller can be installed in the device.
Controllers suitable for specific models are specified in the technical documentation.
With certain adaptations, these devices can also be connected to BMS systems.

Control Devices
Accessories
Application of Central Control &
BMS Control

Wireless Remote Controllers

NC-RM12A

Functions:
LCD display screen
Mode control
Fan speeds control
Time setting / Temp. setting / Swing setting

Applicable FCUs:
4-way cassette NFC (standard)
Wall-mounted NFW (standard)

Wireless Remote Controls

NC-29B

Functions:
Receiving remote signal
Mode control
Fan speeds control
Temp. setting

Applicable FCUs:
Cassette NFC / Wall-mounted NFW (optional)

NC-75A

Functions:
LED display screen
Mode control
Seven speed fan control
Temp. setting

Applicable FCUs:
Ceiling&Floor NFF2 (standart)
One-way cassette NFC (optional)

NC-86A/M

Functions:
LCD display screen
Mode/Electric heater control
Fan speeds control
Timer / Temp. setting
ECO setting/reminder
Compatible with Modbus

Applicable FCUs:
Duct NFD (optional)

KJR-18B/E

Functions:
Mechanical thermostat
Mode control
Fan speeds control
Temp. setting

Applicable FCUs:
Duct NFD without electric heater (optional)

Centralized Controllers

CCM09

Functions:
Weekly schedule function
Large LCD display screen
Max. of 64 FCUs can be controlled by a CCM09
Mode control / fan speed control
Time setting / temp. setting / swing setting

Applicable FCUs:
All FCUs (non-PCB FCUs need adding PC board control kit)

CCM30

Functions:
Touch-style keys
Large LCD display screen
Max. of 64 FCUs can be controlled by a CCM30
Mode control / fan speed control
Time setting / temp. setting / swing setting

Applicable FCUs:
All FCUs (non-PCB FCUs need adding PC board control kit)

Accessories

PC Board Control Kit for FCU

- Available for all non-PCB FCUs.
- Flexibility installation: can be attached to the unit, mounted on a wall or hung under a ceiling.
- External installation making maintenance more convenient.
- Functions: three fan speeds control, Water pump control, Long-distance ON/OFF control, ALARM function, electric heater control.
- Operating status can be displayed by wired controller lamp indicator.
- Centralized control function.
- BMS control function through Modbus protocol.

Centralized Control

Model			CE-FCUKZ-03	CE-FCUKZ-04
Applicable appliance			2-pipe FCUs	4-pipe FCUs
Power supply		V/F/Hz	220~240-1-50/60	
Operating range	Room temp.	°C	17-30	
	Inlet water temp.	°C	3-75	
Temp. controlling precision		°C	±1	
Net dimension	W×H×D	mm	296×66×212	
Packing size	W×H×D	mm	410×115×262	
Net weight		kg	1,4	
Gross weight		kg	2,5	

Notes:
Duct series need PCB kit to connect Centralized controller.

Valve Kit

Notes:
The valve kit includes valve, actuator and connecting pipe. For different model of units, the models of valve kit are difference.

DN (mm)	Inner Screw Thead	Applicable Appliance
15	1/2'	For 4-pipe cassette and ceiling&floor (for cold water)
20	3/4'	For 2-pipe FCU,4-pipe duct, 4-pipe cassette and ceiling&floor (for cold water).

Note:
When connecting to BMS through the BACnet protocol, a custom version of CCM30 was required.

NOTES

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[1] Air temperature +7°C, 85% RH, water temperature +30/35°C.
[2] Air temperature +7°C, 85% RH, water temperature +40/45°C.
[3] Air temperature +7°C, 85% RH, water temperature +47/55°C.
[4] Air temperature +35°C, water temperature +23/18°C.
[5] Air temperature +35°C, water temperature +12/7°C.
[6] Defined under moderate climate zone conditions.
[7] Tested according to the EN12102-1 standard.
[8] If a three-phase 9kW electric heater is installed, 3kW and 6kW power levels can be selected accordingly by switching DIP micro-switches on the board.
[9] Air temperature -7°C, 85% RH, water temperature +30/35°C.
[10] In the MONO unit, the maximum 60°C hot water temperature is achieved only with an additional electric heater.
[11] The nominal power is specified including the built-in electric heater.

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