

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			HOP6WODU	HOP8WODU	HOP10WODU	HOP12WODU3	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	
Nominal Capacity and Nominal Input (According to EN14511-1,2,3,4:2022)							
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
Seasonal Energy (According to EN14825:2022)							
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 Length, Min.	m	3				
	Pipe Length, 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		112 / 125,5	
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						
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						

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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*		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	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		m^3/h	0,36						0,6	
Operating Limits for Water Flow		m^3/h	0,4 ~ 1,25	0,4 ~ 2,1		0,4 ~ 1,25	0,4 ~ 2,1		0,7 ~ 3,0	
Heat Exchanger			Plate							
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							

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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	C25	C32			
Nominal Capacity and Nominal Input (According to EN14511-1,2,3,4:2022)							
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
Seasonal Energy (According to EN14825:2022)							
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			DC Two Rotor Inverter				
Heat Exchanger			Plate, Soldered				
Fan			DC Electric Motor				
Number of Fans			1				
Circulation Pump	Type		DC, Electronic				
	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				

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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		mm^2	5x6,0		
Communication Cable, AWG18 Shielded		mm^2	5x0,75		
Automatic Switch		A	C25	C32	
Nominal Capacity and Nominal Input (According to EN14511-1,2,3,4:2022)					
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
Seasonal Energy (According to EN14825:2022)					
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		m^3/h	3,78	4,47	5,18
Operating Limits for Water Flow		m^3/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.					