



NØRDIS Optimus Pro Split type

AIR-TO-WATER HEAT PUMPS

Outdoor Unit Model			HOP6W ODU	HOP8W ODU	HOP10W ODU	HOP12W ODU3	HOP16W ODU3
Compatible Indoor Units without DHW Tank			HOP60WIDU	HOP100WIDU arba HOP100WIDU3		HOP160WIDU3	
Compatible Indoor Units with DHW Tank			HOP100/190IDU arba 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 A-7W35 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

NØRDIS Optimus Pro Split outdoor units

TECHNICAL DATA

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 Model			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	w3				
	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		97 / 110.5	
Operation Ambient Temperature Range	Heating	°C	-25 ~ +35				
	Cooling	°C	-5 ~ +43				
	DHW	°C	-25 ~ +43				



Efficient operation at outdoor temperatures as low as

-25°C



Maximum prepared water temperature

65°C



NORDIS Optimus Pro Split

Indoor units without integrated DHW tank

Features

- Touch-sensitive control panel;
- Integrated Wi-Fi module for device control via smartphone;
- Electronic circulation pump;
- Alfa Laval heat exchanger;
- 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) ^a			
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						