

Technical Data

NØRDIS Optimus Pro Mono



Outdoor Units			HOP6WMONO	HOP8WMONO	HOP10WMONO	HOP12WMONO3	HOP16WMONO3	
Built-in Electric Heater			kW	3			9	
Power Supply			V/Ph/Hz	220-240/1/50			380-415/3/50	
Rated Power			W	570011	640011	670011	1450011	1520011
Rated Current			A	27	29	30	23	25
Power Cable			mm2	3x4,0	3x6,0		5x6,0	
Communication Cable, AWG18 Shielded			mm2	5x0,75				
Automatic Switch			A	C32				
Heating A7W35 ¹	Capacity	kW	6,35	8,4	10	12,1	15,9	
	Rated Input	kW	1,28	1,63	2,02	2,44	3,53	
	COP		4,95	5,15	4,95	4,95	4,5	
Heating A7W45 ²	Capacity	kW	6,3	8,1	10	12,3	16	
	Rated Input	kW	1,7	2,1	2,67	3,32	4,57	
	COP		3,7	3,85	3,75	3,7	3,5	
Heating A7W55 ³	Capacity	kW	6	7,5	9,5	11,9	16	
	Rated Input	kW	2,03	2,36	3,06	3,9	5,61	
	COP		2,95	3,18	3,1	3,05	2,85	
Heating A-7W35 ⁹	Capacity	kW	6	7	8	10	13,1	
	Rated Input	kW	2	2,19	2,62	3,33	4,85	
	COP		3	3,2	3,05	3	2,7	
Cooling A35W18 ⁴	Capacity	kW	6,5	8,3	9,9	12	14,9	
	Rated Input	kW	1,35	1,64	2,18	3,04	4,38	
	EER		4,8	5,05	4,55	3,95	3,4	
Cooling A35W7 ⁵	Capacity	kW	7	7,45	8,2	11,5	14	
	Rated Input	kW	2,33	2,22	2,52	4,18	5,6	
	EER		3	3,35	3,25	2,75	2,5	
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	4,4	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			m3/h	1,09	1,44	1,72	2,08	2,73
Operating Limits for Water Flow			m3/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	
AmbientTemperatureRange	Heating	°C	-25 ~ +35					
	Cooling	°C	-5 ~ +43					
	DHW	°C	-25 ~ +43					
LWT Setting Range	Heating	°C	+25 ~ +65					
	Cooling	°C	+5 ~ +25					
	DHW10	°C	+30 ~ +60					

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Outdoor Units			HOP18WMONO3	HOP22WMONO3	HOP26WMONO3	HOP30WMONO3
Built-in Electric Heater		kW	-			
Power Supply		V/Ph/Hz	380-415/3/50			
Rated Power		W	10600	12500	13800	14500
Rated Current		A	21	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	18	22	26	30,1
	Rated Input	kW	3,83	5	6,37	7,7
	COP		4,7	4,4	4,08	3,91
Heating A7W45 ²	Capacity	kW	18	22	26	30
	Rated Input	kW	5,14	6,47	8,39	10,35
	COP		3,5	3,4	3,1	2,9
Heating A7W55 ³	Capacity	kW	18	22	26	30
	Rated Input	kW	6,55	8,3	10,61	13,04
	COP		2,75	2,65	2,45	2,3
Heating A-7W35 ⁹	Capacity	kW	18	21	22	23
	Rated Input	kW	6,67	8,08	8,8	9,39
	COP		2,7	2,6	2,5	2,45
Cooling A35W18 ⁴	Capacity	kW	18,5	23	27	31
	Rated Input	kW	3,9	5	6,3	7,75
	EER		4,75	4,6	4,3	4
Cooling A35W7 ⁵	Capacity	kW	17	21	26	29,5
	Rated Input	kW	5,57	7,12	9,63	11,57
	EER		3,05	2,95	2,7	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		4,6	4,53	4,5	4,2
	55°C		3,2	3,23	3,15	3,15
SEER ⁶	7°C		4,7	4,7	4,66	4,49
	18°C		5,48	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	3,1	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)	71	73	75	77
Sound Pressure Level (1m)		dB (A)	58	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 ~ +65			
	Cooling	°C	+5 ~ +25			
	DHW10	°C	+30 ~ +60			

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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.

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