

OPTIMUS PRO MONO air-to-water heat pump DATA SHEET (6-10kW)


Monoblock			HOP6WMONO	HOP8WMONO	HOP10WMONO	HOP12WMONO3	HOP16WMONO3
Heating	A7W35 ¹	kW	6.35	8.40	10.00	12.10	15.90
	A7W55 ²	kW	6.00	7.50	9.50	11.90	16.00
Cooling	A35W18 ³	kW	6.50	8.30	9.90	12.00	14.90
	A35W7 ⁴	kW	7.00	7.45	8.20	11.50	14.00
Seasonal space heating energy efficiency class ⁵	Water outlet at 35°C	class	A+++				
	Water outlet at 55°C	class	A++				
SCOP ⁵		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 ⁵		7°C	5.31	5.82	5.95	4.9	4.67
		18°C	8.22	8.94	8.73	7.07	6.7
Electric heater		kW	3			9	
Power supply		V/Ph/Hz	220-240/1/50			380-415/3/50	
Rated power input		W	5700 ⁷	6400 ⁷	6700 ⁷	14500 ⁷	15200 ⁷
Maximum circuit amps (MCA)		A	27.0	29.0	30.0	23.0	25.0
Total Over-current amps (TOCA)		A	31.0	32.0		27.0	
User interface cable, AWG18 shielded		mm ²	5x0,75				
Refrigerant	Type (GWP)		R32 (675)				
	Charged volume	kg	1.4			1.75	
Water piping		in	R1"	R1 1/4"			
Sound power level ⁶		dB	58	59	60	65	68
Unit dimension (W x H x D)		mm	1295x718x429	1385x865x523			
Net / Gross weight		kg	91/ 112	110 / 137		149 / 177	
Ambient temperature range	Heating	°C	-25 ~ +35				
	Cooling	°C	-5 ~ +43				
	Domestic hot water	°C	-25 ~ +43				

1 Evaporator air in +7°C, 85% RH, Condenser water in/out +30/35°C.

2 Evaporator air in +7°C, 85% RH, Condenser water in/out +47/55°C.

3 Condenser air in +35°C, Evaporator water in/out +23/18°C.

4 Condenser air in +35°C, Evaporator water in/out +12/7°C.

5 Seasonal energy efficiency class tested in average climate general.

6 Testing standard: EN12102-1.

7 The rated power is specified together with the built-in electric heater.