

OPTIMUS PRO air-to-water heat pump with DHW tank DATA SHEET (6-10kW)


Outdoor unit model			HOP6WODU	HOP8WODU	HOP10WODU	HOP6WODU	HOP8WODU	HOP10WODU
Heating	A7W35 ¹	kW	6.20	8.30	10.00	6.20	8.30	10.00
	A7W55 ²	kW	6.00	7.50	9.50	6.00	7.50	9.50
Cooling	A35W18 ³	kW	6.55	8.40	10.00	6.55	8.40	10.00
	A35W7 ⁴	kW	7.00	7.40	8.20	7.00	7.40	8.20
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	4.95	5.22	5.2
		55°C	3.52	3.37	3.47	3.52	3.37	3.47
SEER ⁵		7°C	5.37	5.83	5.98	5.37	5.83	5.98
		18°C	8.21	8.95	8.78	8.21	8.95	8.78
Power supply		V/Ph/Hz	220-240/1/50					
Rated power input		W	2600	3300	3600	2600	3300	3600
Maximum circuit amps (MCA)		A	14.0	16.0	17.0	14.0	16.0	17.0
Total Over-current amps (TOCA)		A	18.0	19.0		18.0	19.0	
Refrigerant	Type (GWP)		R32 (675)					
	Charged volume	kg	1.5	1.65		1.5	1.65	
	Piping	in	1/4" / 5/8"	3/8" / 5/8"		1/4" / 5/8"	3/8" / 5/8"	
	Piping length, min/max	m	3 / 30					
	Refrigerant to be added	g/m	20	38		20	38	
	Max piping length without addition	m	max.15					
Sound power level ⁶		dB	58	59	60	58	59	60
Unit dimension (W x H x D)		mm	1008×712×426	1118×865×523		1008×712×426	1118×865×523	
Net / Gross weight		kg	60 / 65,5	78,5 / 92		60 / 65,5	78,5 / 92	
Ambient temperature range	Heating	°C	-25 ~ +35					
	Cooling	°C	-5 ~ +43					
	Domestic hot water	°C	-25 ~ +43					
Indoor unit with integrated DHW tank			HOP100/190IDU			HOP100/190IDU3		
DHW tank	Water volume	l	190					
	Material	-	Stainless steel, SUS 316L					
Electric heater		kW	3			9 (3+6)		
Power supply		V/Ph/Hz	220-240/1/50			380-415/3/50		
Rated power input		W	3095			9095		
Maximum circuit amps (MCA)		A	14.3			14.0		
Communication cable, AWG18 shielded		mm ²	2x0,75					
Sound power level ⁶		dB	38	40		38	40	
Unit dimension (W x H x D)		mm	600x1683x600					
Net / Gross weight		kg	139 / 154			141 / 156		

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.