

OPTIMUS PRO air-to-water heat pump with DHW tank DATA SHEET (12-16kW)


Outdoor unit model			HOP12WODU3	HOP16WODU3
Heating	A7W35 ¹	kW	12.10	16.00
	A7W55 ²	kW	12.00	16.00
Cooling	A35W18 ³	kW	12.00	14.90
	A35W7 ⁴	kW	11.60	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		4.81	4.62
	55°C		3.45	3.41
SEER ⁵	7°C		4.86	4.67
	18°C		7.04	6.71
Power supply	V/Ph/Hz		380-415/3/50	
Rated power input	W		5400	6100
Maximum circuit amps (MCA)	A		10.0	12.0
Total Over-current amps (TOCA)	A		14.0	
Refrigerant	Type (GWP)		R32 (675)	
	Charged volume	kg	1.84	
	Piping	in	3/8" / 5/8"	
	Piping length, min/max	m	3 / 30	
	Refrigerant to be added	g/m	38	
	Max piping length without addition	m	max.15	
Sound power level ⁶		dB	64	68
Unit dimension (W x H x D)		mm	1118×865×523	
Net / Gross weight		kg	97 / 110,5	
Ambient temperature range	Heating	°C	-25 ~ +35	
	Cooling	°C	-5 ~ +43	
	Domestic hot water	°C	-25 ~ +43	
Indoor unit with integrated DHW tank			HOP160/240IDU3	
DHW tank	Water volume	l	240	
	Material	-	Stainless steel, SUS 316L	
Electric heater		kW	9 (3+6)	
Power supply		V/Ph/Hz	380-415/3/50	
Rated power input		W	9095	
Maximum circuit amps (MCA)		A	14.0	
Communication cable, AWG18 shielded		mm ²	2x0,75	
Sound power level ⁶		dB	43	
Unit dimension (W x H x D)		mm	600x1943x600	
Net / Gross weight		kg	159 / 180	

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.