

Technical Data

Optimus Pro Split Outdoor Unit



Model			HOP6WODU	HOP8WODU	HOP10WODU	HOP12WODU3	HOP16WODU3
Compatible Indoor Units without DHW Tank			HOP60WIDU	HOP100WIDU orHOP100WIDU3		HOP160WIDU3	
Compatible Indoor Units with DHW Tank			HOP100/190IDU or HOP100/190IDU3			HOP160/240IDU3	
Heating A7W35 ¹	Capacity	kW	6,2	8,3	10	12,1	16
	Rated Input	kW	1,24	1,6	2	2,44	3,56
	COP		5	5,2	5	4,95	4,5
Heating A7W45 ²	Capacity	kW	6,35	8,2	10	12,3	16
	Rated Input	kW	1,69	2,08	2,63	3,24	4,44
	COP		3,75	3,95	3,8	3,8	3,6
Heating A7W55 ³	Capacity	kW	6	7,5	9,5	12	16
	Rated Input	kW	2	2,36	3,06	3,87	5,52
	COP		3	3,18	3,1	3,1	2,9
Heating A-7W35 ⁹	Capacity	kW	6,1	7,1	8,25	10	13,3
	Rated Input	kW	2	2,18	2,62	3,33	4,93
	COP		3,05	3,25	3,15	3	2,7
Cooling A35W18 ⁴	Capacity	kW	6,55	8,4	10	12	14,9
	Rated Input	kW	1,34	1,66	2,08	3	4,38
	EER		4,9	5,05	4,8	4	3,4
Cooling A35W7 ⁵	Capacity	kW	7	7,4	8,2	11,6	14
	Rated Input	kW	2,33	2,19	2,48	4,22	5,71
	EER		3	3,38	3,3	2,75	2,45
EnergyEfficiency 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
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	14,5	16	9	11
Power Cable	mm2		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 Lenght, Min.	m	3				
	Pipe Lenght, 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		112 / 125,5	
Operation Ambient Temperature Range	Heating	°C	-25 ~ +35				
	Cooling	°C	-5 ~ +43				
	DHW	°C	-25 ~ +43				
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.							