

pompe caldura aer apa NOBUS monobloc 1x230V

Specifications:									
Model name		4kW	6kW	8kW	10kW	12kW	14kW	16kW	
Power supply		V / Ph / H	220-240 / 1 / 50						
Heating ¹	Capacity	kW	4,3	6,2	7,9	10,2	12,1	14,5	15,9
	Rated input	kW	0,91	1,32	1,75	2,04	2,57	3,05	3,45
	COP		4,72	4,68	4,51	5,01	4,7	4,75	4,61
Heating ²	Capacity	kW	4,3	6,3	8,3	10,2	12,1	14,5	15,9
	Rated input	kW	1,17	1,73	2,61	2,79	3,36	3,89	4,63
	COP		3,68	3,63	3,18	3,65	3,6	3,72	3,43
Heating ³	Capacity	kW	4,41	6,3	7,6	9,6	12,1	13,8	15,8
	Rated input	kW	1,39	2,02	2,96	3,22	4,11	4,42	6,12
	COP		3,16	3,11	2,57	2,85	2,94	3,12	2,58
Cooling ⁴	Capacity	kW	4,5	6,5	8,1	10,1	11,9	13,5	15,7
	Rated input	kW	1,06	1,51	1,96	2,44	2,93	3,25	4,02
	EER		4,25	4,31	4,13	4,14	4,06	4,15	3,90
Cooling ⁵	Capacity	kW	4,6	6,8	7,5	8,7	10,3	12,7	15,9
	Rated input	kW	1,48	2,32	2,57	2,94	4,09	4,79	6,09
	EER		3,11	2,93	2,92	2,96	2,52	2,65	2,61
Seasonal space heating energy efficiency class	LWT at 35°C		A+++	A+++	A+++	A+++	A+++	A+++	A+++
	LWT at 55°C		A++	A++	A++	A++	A++	A++	A++
SCOP	LWT at 35°C		4,69	4,66	4,56	5,02	4,65	4,65	4,55
	LWT at 55°C		3,45	3,42	3,32	3,51	3,37	3,45	3,36
SEER	LWT at 7°C		4,98	5,12	4,53	4,61	4,58	4,76	4,5
	LWT at 18°C		6,96	7,01	6,51	6,55	6,53	6,72	6,5
MOP(Maximum overcurrent protection)	A		18	18	21	25	25	30	30
MCA(minimum circuit amps)	A		12	14	16	19	23	26	27
Water pressure drop	kPa		25	25	39	37	36	38	38
Refrigerant system pressure (Max. / Min.)			4.5MPa / 1.5MPa						
Refrigerant	Type		R32	R32	R32	R32	R32	R32	R32
	Charged	kg	1,05	1,2	1,3	1,55	1,75	2,1	2,1
GWP value			675	675	675	675	675	675	675
Equivalent CO ₂		Ton	0,71	0,81	0,88	1,04	1,18	1,41	1,41
Compressor	Type		Twin rotary DC inverter						
	Brand		Mitsubishi						
	Model		SVB172FNPMC	SVB172FNPMC	SVB220FAGMC	SVB220FAGMC	MVB33FBPMC	MVB42FCBMC	MVB42FCBMC
	Quantity		1	1	1	1	1	1	1
	Capacity	kW	5.54 (@60rps)	5.54 (@60rps)	7.10 (@60rps)	7.10 (@60rps)	11.37 (@60rps)	14.38 (@60rps)	14.38 (@60rps)
	Input	kW	1.73 (@60rps)	1.73 (@60rps)	2.23 (@60rps)	2.23 (@60rps)	3.57 (@60rps)	4.4 (@60rps)	4.4 (@60rps)
	Current	A	5.1 (@60rps)	5.1 (@60rps)	6.6 (@60rps)	6.6 (@60rps)	11 (@60rps)	13 (@60rps)	13 (@60rps)
	Oil type / charged		FW68S / 600ml	FW68S / 600ml	FW68S / 460ml	FW68S / 460ml	FW68S / 1100ml	FW68S / 1250ml	FW68S / 1250ml
Outdoor fan	Motor type		Brushless DC motor						
	Number of fans		1	1	1	1	1	1	1
Air side heat exchanger	Material		Hydrophilic aluminum & Inner groove copper tube						
	Rows		1,5	1,5	2	2,5	2,5	3	3
	Tube size	mm	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7
Fan motor	Fan type		3 blade						
	Motor type		BLDC						
	Motor model		EHTSO1BLQ	EHTSO1BLQ	EHTSO1BLQ	EHTSO1CLQ	EHTSO1CLQ	EHTSO1DLQ	EHTSO1DLQ

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Fan motor	Motor Brand		Panasonic						
	Quantity		1	1	1	1	1	1	1
	Speed	rpm	850	850	850	850	850	825	825
Throttle type			Electronic expansion valve						
Water side heat-exchanger			Plate heat exchanger						
Sound power level ⁶		dB	56	58	59	60	64	65	68
Controller (Standard: LCD)			GR-LC07						
Anti-UV cover			NO						
Water resistance			IPX4						
Water pipe connection	Inlet	mm	Φ32	Φ32	Φ32	Φ32	Φ32	Φ32	Φ32
	Outlet	mm	Φ32	Φ32	Φ32	Φ32	Φ32	Φ32	Φ32
Net/Gross weight	Net/Gross	kg	76/81	78/93	82/97	95/112	97/115	117/136	117/136
Dimension (L×W×H)	Net	mm	1125×370×680	1125×370×680	1125×370×680	1112×370×804	1112×370×804	1203×481×860	1203×481×860
	Packing	mm	1195×440×865	1195×440×865	1195×440×865	1260×488×980	1260×488×980	1305×495×1040	1305×495×1040
	Loading quantity (20GP)	sets	42/135	42/135	42/135	40/84	40/84	38/82	38/82
Operating temperature	Cooling	°C	-5 to 43						
	Heating	°C	-25 to 35						
	DHW	°C	-25 to 43						
Note:									
1. Outdoor air temperature 7°C DB ,85% R.H ; EWT 30°C,LWT 35°C									
2. Outdoor air temperature 7°C DB ,85% R.H ; EWT 40°C,LWT 45°C									
3. Outdoor air temperature 7°C DB ,85% R.H ; EWT 47°C,LWT 55°C									
4. Outdoor air temperature 35°C DB ,85% R.H ; EWT 23°C,LWT 18°C									
5. Outdoor air temperature 35°C DB ,85% R.H ; EWT 12°C,LWT 7°C									
6. Test standard:EN12102-1									