

Specifications

Model			M505V3	M507V3	M509V3	M511SV3	M514SV3	M516SV3	M511TV3	M514TV3	M516TV3	
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	5.00	7.00	9.00	11.00	14.00	16.00	11.00	14.00	16.00	
	Power input	kW	0.99	1.40	1.84	2.24	2.95	3.53	2.24	2.95	3.53	
	COP	W/W	5.06	5.00	4.90	4.90	4.75	4.53	4.90	4.75	4.53	
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	5.00	7.00	8.50	10.50	13.50	15.20	10.50	13.50	15.20	
	Power input	kW	1.69	2.41	3.09	3.50	4.82	5.53	3.50	4.82	5.53	
	COP	W/W	2.95	2.90	2.75	3.00	2.80	2.75	3.00	2.80	2.75	
Space heating Average climate water outlet 35°C	SCOP	-	4.97	4.95	4.95	4.70	4.65	4.55	4.70	4.65	4.55	
	ηs	%	196	195	195	185	183	179	185	183	179	
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	
Space heating Average climate water outlet 55°C	SCOP	-	3.52	3.38	3.34	3.40	3.45	3.40	3.40	3.45	3.40	
	ηs	%	138	132	131	133	135	133	133	135	133	
	Energy class	-	A++	A++	A++	A++	A++	A++	A++	A++	A++	
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	5.00	7.00	8.00	10.00	13.50	15.20	10.00	13.50	15.20	
	Power input	kW	1.02	1.44	1.86	2.27	3.14	3.80	2.27	3.14	3.80	
	EER	-	4.90	4.85	4.30	4.40	4.30	4.00	4.40	4.30	4.00	
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	5.00	7.00	8.00	10.00	12.00	14.00	10.00	12.00	14.00	
	Power input	kW	1.56	2.19	2.76	3.23	4.21	5.28	3.23	4.21	5.28	
	EER	-	3.20	3.20	2.90	3.10	2.85	2.65	3.10	2.85	2.65	
Cooling	SEER	-	5.01	5.00	4.92	4.85	4.75	4.68	4.85	4.75	4.68	
	Outdoor operating temperature range	Heating Cooling	°C	-25 ~ 35 10~48								
Leaving water temperature range	Heating Cooling	°C	25 ~ 60 5~25									
	Water flow rate	L/min	14.3	20.1	25.8	31.5	40.1	45.9	31.5	40.1	45.9	
Water piping connection	Inlet/Outlet	inch	R 1									
Compressor	Quantity	-	1									
	Type	-	DC inverter twin rotary									
Refrigerant	Type	-	R32									
	Charge/CO2 Eq.	kg/T	1.3/0.88	1.3/0.88	1.4/0.95	1.8/1.22	2.5/1.69	2.5/1.69	1.8/1.22	2.5/1.69	2.5/1.69	
Net dimension	H×W×D	mm	790x1250x380				880x1380x460					
Packing dimension	H×W×D	mm	1022x1395x550				1112x1526x630					
Net/Gross weight	kg		81/109	81/109	85/113	108/148	117/157	117/157	108/148	117/157	117/157	
Sound power level	dB(A)		60	61	62	63	65	65	63	65	65	
Power supply	V~/Hz		220~240/1/50					380~415/3/50				
Max. running current	A		12	12	16	20	32	32	10	12	12	
Recommended circuit breaker	A		16	16	20	25	40	40	16	16	16	
Accessory	Wired controller	/	HW-WA101DBT (Standard)									
	PCB box	/	ATW-A02 (Optional)									
	Filter	/	Standard									

Note:

- According to EN14511, EN14825 (EU) and No 811/2013(EU).
- LWT: Leaving water temperature; OAT: Outdoor air temperature.
- Sound level values are measured at a semi-anechoic room, and the sound power level values are based on measurement of EN2102-1 under conditions of EN14825.
- PCB box is needed when using solar thermal function and pool heating function.
- The above data may be changed without notice for future improvement on quality and performance.

Key features



A+++/A++



Max 60°C hot water



Climate curve



2 zone control



Auto mode



Smart grid



Modbus



DHW tank solar thermal control



Pool heating



Anti-freeze



Eco-friendly Refrigerant R32