

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	°C	-25 ~ 35								
	Cooling	°C	10~48								
Leaving water temperature range	Heating	°C	25 ~ 60								
	Cooling	°C	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	R 1	R 1	R 1	R 1	R 1	R 1	R 1	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	790*1250*380				880*1380*460				
Packing dimension	H×W×D	mm	1017*1390*550				1102*1525*630				
Net/Gross weight		kg	81/109	81/109	85/113	108/139	117/148	117/148	108/139	117/148	117/148
Sound power level		dB(A)	60	61	62	63	63	63	63	63	63
Power supply		V/~/Hz	220-240/1/50						380~415/3/50		
Max. running current		A	14	14	16	20	32	32	10	14	14
Recommended circuit breaker		A	20	20	20	25	40	40	16	20	20
Accessory	Wired controller	/	WC5-101DBT (Standard)								
	PCB box	/	ATW-A02 (Optional)								
	Filter	/	Standard								

Note:

1. According to EN14511, EN14825 (EU) and No 811/2013(EU).
2. LWT: Leaving water temperature; OAT: Outdoor air temperature.
3. 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.
4. PCB box is needed when using solar thermal function and pool heating function.
5. The above data may be changed without notice for future improvement on quality and performance.