

16
SEER



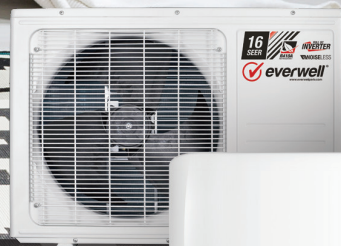
FULL DC
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NOISELESS



Intertek



MGC SERIES
MINI SPLIT SYSTEM



16 SEER



MINI SPLIT SYSTEM



MGC Series Technical Specifications

Model No.			MGC0913	MGC1213	MGC0923	MGC1223	MGC1823	MGC2423
Indoor			MGC0913E	MGC1213E	MGC0923E	MGC1223E	MGC1823E	MGC2423E
Outdoor			MGC0913C	MGC1213C	MGC0923C	MGC1223C	MGC1823C	MGC2423C
Power Supply		V/Ph/Hz	115/1/60	115/1/60	220/1/60	220/1/60	220/1/60	220/1/60
Cooling	Capacity	Btu/h	9000 (3780-11520)	12000 (4560-16680)	9000 (3780-11520)	12000 (4560-16680)	18000 (7560-24101)	24000 (9653-30050)
	Input	W	847 (350-1152)	1160 (480-1600)	821 (337-1133)	1095 (416-1522)	1551 (541-2125)	2014 (799-2719)
	Rated Current	A	7.4	10.1	3.6	4.8	6.8	8.8
	SEER	Btu/W	16	16.5	16	16.5	16	17
	EER	Btu/W	3.11	3.03	3.21	3.21	3.2	3.2
Minimum Circuit Ampacity		A	15	15	7	7	11	16
Max. Fuse		A	20	20	15	15	15	25
Compressor	Type	-	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
	Brand	-	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	Btu/h	10014	10014	10014	10014	13836	24345
	Input	W	748	748	748	748	1035	1970
	Rated Current (RLA)	A	5.35	5.35	5.35	5.35	7.32	6.95
Refrigerant Oil / Oil Charge		ml	Ester Oil VG74/370	Ester Oil VG74/370	Ester Oil VG74/370	Ester Oil VG74/370	Ester Oil VG74/450	POE (VG74)/670
Indoor Fan Motor	Model	-	YKFG-15-4-28-1	YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-28-4-6	YKFG-20-4-10L	YKFG-45-4-13
	Brand	-	Dayang/Welling	Dayang/Welling	Dayang/Welling	Dayang/Welling	Dayang/Welling	Dayang/Welling
	Input	W	46	46	47.4	47.4	58	89
	Capacitor	µF	-	-	1.5	1.5	1.5	3.0
Speed (Hi/Mi/Lo)		r/min	1050/900/700	1050/900/700	1050/900/700	1050/900/700	1100/900/800	1100/900/750
Indoor Coil	Number of Rows	-	2	2	2	2	2	2
	Fin Type (Code)	-	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium
	Tube Outside Diam. and Type	mm	Φ6 Innergroove Tube	Φ7 Innergroove Tube	Φ6 Innergroove Tube	Φ7 Innergroove Tube	Φ7 Innergroove Tube	Φ7 Innergroove Tube
	Coil Length x Height x Width	mm	525 x 294 x 26.74	605 x 294 x 26.74	525 x 294 x 26.74	605 x 294 x 26.74	750 x 336 x 26.74	820 x 336 x 26.74
Indoor Air Flow (Hi/Mi/Lo)		CFM	242/198/142	280/252/171	247/182/124	294/206/141	388/265/224	618/471/334
Indoor Noise Level (Hi/Mi/Lo)		dB(A)	37/-/24	38.5/-/24.5	40/-/26	42/-/27	45/39/33	50/-/38
Indoor Unit	Dimensions (W x D x H)	mm	722 x 187 x 290	802 x 189 x 297	722 x 187 x 290	802 x 189 x 297	965 x 215 x 319	1080 x 226 x 335
	Dimensions (W x D x H)	Inches	28.43 x 7.36 x 11.42	31.57 x 7.44 x 11.69	28.43 x 7.36 x 11.42	31.57 x 7.44 x 11.69	37.99 x 8.46 x 12.56	42.52 x 8.9 x 13.19
	Net/Gross Weight	Kg/lbs	7.2/9.0 / 15.87/19.84	7.4/9.2 / 16.31/20.28	7.4/9.4 / 16.31/20.72	8.4/10.1 / 18.51/22.26	11.2/12.7 / 24.69/27.99	13.1/16.7 / 28.88/36.81
Outdoor Fan Motor	Model	-	ZKFN-40-8-1L	ZKFN-40-8-1L	ZKFN-40-8-1L	ZKFN-40-8-1L	YKF-48-6-206	ZKFN-50-8-2
	Brand	-	Dayand/Welling	Dayand/Welling	Dayand/Welling	Dayand/Welling	Dayand/Welling	Dayand/Welling
	Input	W	91	91	91	91	103.8/86.5	50(Output)
	RLA	A	0.6	0.6	0.4	0.4	0.5	0.6
Speed		r/min	850/800/750	850/800/750	850/800/750	850/800/750	880/690	850/750/600
Outdoor Coil	Number of Rows	-	1	1	1	1	1	1
	Fins/Inch	-	21	21	21	21	21	21
	Fin Type (Code)	-	Unhydrophilic Aluminium	Unhydrophilic Aluminium	Unhydrophilic Aluminium	Unhydrophilic Aluminium	Unhydrophilic Aluminium	Unhydrophilic Aluminium
	Tube Outside Diam. and Type	mm	Φ5 Innergroove Tube	Φ5 Innergroove Tube	Φ5 Innergroove Tube	Φ5 Innergroove Tube	Φ5 Innergroove Tube	Φ5 Innergroove Tube
Coil Length x Height x Width		mm	760 x 507 x 11.6	760 x 507 x 11.6	760 x 507 x 11.6	605 x 294 x 26.74	750 x 336 x 26.74	820 x 336 x 26.74
Outdoor Air Flow (Hi/Mi/Lo)		CFM	506	506	506	506	518	553
Outdoor Noise Level (Hi/Mi/Lo)		dB(A)	53.3	58.5	53.3	53.3	57.1	57.1
Outdoor Unit	Dimensions (W x D x H)	mm	770 x 300 x 555	770 x 300 x 555	770 x 300 x 555	770 x 300 x 555	800 x 333 x 554	845 x 363 x 702
	Dimensions (W x D x H)	Inches	30.31 x 11.81 x 21.85	30.31 x 11.81 x 21.85	30.31 x 11.81 x 21.85	30.31 x 11.81 x 21.85	31.50 x 13.11 x 21.81	33.27 x 14.29 x 27.64
	Net/Gross Weight	Kg/lbs	29/31.5 / 63.93/69.44	29.5/32.5 / 65.03/71.65	26.4/31.4 / 58.20/69.22	26.4/31.4 / 58.20/69.22	31/33 / 68.34/72.75	44.8/50.2 / 98.76/110.67
Refrigerant Type		g/oz	R-410a - 480/17	R-410a - 590/20.8	R-410a - 480/17	R-410a - 590/20.8	R-410a - 950/33.6	R-410a - 1200/42.4
Design Pressure		MP(P.SI.G)	4.2/1.5 (550/340)	4.2/1.5 (550/340)	4.2/1.5 (550/340)	4.2/1.5 (550/340)	4.2/1.5 (550/340)	4.2/1.5 (550/340)
Refrigerant Piping	Liquid Side/Gas Side	mm/Inches	Φ6.35-Φ9.52 / 1/4"-3/8"	Φ6.35-Φ12.7 / 1/4"-3/8"	Φ6.35-Φ9.52 / 1/4"-3/8"	Φ6.35-Φ12.7 / 1/4"-3/8"	Φ6.35-Φ12.7 / 1/4"-3/8"	Φ9.52-Φ15.9 / 3/8"-5/8"
	Max. Refrigerant Pipe Length	m/ft	25 / 82	25 / 82	25 / 82	25 / 82	30 / 98	30 / 98
	Max. Difference in Level	m/ft	10 / 33	10 / 33	10 / 33	10 / 33	20 / 66	20 / 66
Connection Wiring		-	16AWG X 4	16AWG X 4	16AWG X 4	16AWG X 4	16AWG X 4	16AWG X 4
Thermostat Type		-	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Operation Temperature	Indoor (Cooling/Heating)	°C/°F	17~32 / 62~90	17~32 / 62~90	17~32 / 62~90	17~32 / 62~90	17~32 / 62~90	17~32 / 62~90
	Outdoor (Cooling/Heating) Optional	°C/°F	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122	-15~50 / 5~122
Application Area (Cooling Standard)		m ² /Sq ft	12-17.6 / 129-189	16-23.4 / 172-252	12-17.6 / 129-189	16-23.4 / 172-252	23.3-34.2 / 251-368	30.6-44.9 / 330-484
Quantity per 20' / 40' / 40'HQ		Set	105/220/248	105/220/248	105/220/248	105/220/248	78/165/190	67/135/152

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