



Models / Modelos MWFC__S/MRFC__AS

230 V

Technical Specifications / Especificaciones Técnicas

Model			MWFC09S/MRFC09AS	MWFC12S/MRFC12AS	MWFC18S/MRFC18AS	MWFC24S/MRFC24AS
Power supply		Ph-V-Hz	208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph
Cooling	Capacity	Btu/h	9000	12000	18000	22000
	Input	W	665	920	1440	1760
	Rated current	A	2.9	4	6.3	7.7
	SEER	Btu/w	21	20	20	20
MINIMUM CIRCUIT AMPACITY		A	7.0	15.0	14.0	15.0
MAX.FUSE		A	15.0	20.0	20.0	25.0
Compressor	Type		ROTARY	ROTARY	ROTARY	Twin-rotary
	Brand		GMCC	GMCC	GMCC	GMCC
	Rated current(RLA)	A	5.25	5.25	9.7	8.85
	Refrigerant oil/oil charge	ml	ESTER Oil VG74 370	ESTER OIL VG74-370	ESTER OIL VG74/480	ESTER OIL VG74/820
Indoor Fan Motor	Brand		Shibaura	Shibaura	Shibaura	Shibaura
	Input	W	20(Output)	20(Output)	58(Output)	58(Output)
	RLA	A	0.19	0.19	0.15	0.20
	Speed(Hi/Mi/Lo)	r/min	1200 / 1050 / 800	1250 / 1050 / 800	1200 / 1100 / 900	1200/1100/900
Indoor air flow (Hi/Mi/Lo)		CFM	360/310/235	350/295/225	725/665/540	655/600/490
Indoor noise level (Hi/Mi/Lo)		dB(A)	43.8/37.6 /31.3	44.2/36.5/28.8	50.4/45.1/39.8	51/45.2/39.3
Indoor Unit	Dimension(W*D*H)	inch	31.50x7.40x10.83	31.50x7.40x10.83	41.14x9.25x12.40	41.14x9.25x12.40
	Packing (W*D*H)	inch	34.06x10.43x13.78	34.06x10.43x13.78	44.69x15.55x12.40	44.69x15.55x12.40
	Net/Gross weight	lbs.	16.31/20.94	19.84/25.35	26.23/34.17	27.34/34.61
Outdoor Fan Motor	Brand		Welling	Welling	Shibaura	Shibaura
	Input	W	36(Output)	40(Output)	50(Output)	120(Output)
	RLA	A	0.16	0.16	0.25	0.5
	Speed	r/min	800/750/700	800/700/600	800/750/700	850/750/700
Outdoor Coil	c. FINS/INCH		21	21	21	18
	d. Fin type (code)		UnHydrophilic aluminium	UnHydrophilic aluminium	UnHydrophilic aluminium	Unhydrophilic aluminium
	e. Tube outside dia.and type	mm	Φ5,innergroove tube	Φ5,innergroove tube	Φ5,innergroove tube	Φ7,innergroove tube
	f. Coil length x height x width	mm	750x507x23.2	880x507x23.2	782x663x23.2	1000x756x26.74+598x756x13.37
	g. Number of circuits		4	4	4	8
Outdoor air flow		CFM	1060	1180	1470	2355
Outdoor noise level		dB(A)	52.3	55.3	60.2	60
Outdoor Unit	Dimension(W*D*H)	inch	30.71x9.84x21.26	31.89x12.20x21.97	33.27x12.60x27.56	37.20x15.55x31.89
	Packing (W*D*H)	inch	35.83x13.19x23.03	36.61x15.75x24.21	37.99x15.55x29.72	42.91x18.70x33.66
	Net/Gross weight	lbs.	60.63/66.14	68.34/72.75	89.95/97.44	135.80/147.27
Refrigerant type		oz	R410A/30.0	R410A/30.7	R410A/40.6	R410A/82.9
Refrigerant precharge		ft	25	25	25	25
Additional charge for each ft		oz	0.161	0.161	0.161	0.322
Design pressure		PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52 (1/4"/3/8")	Φ6.35/Φ12.7 (1/4"/1/2")	Φ6.35/Φ12.7 (1/4"/1/2")	Φ9.52/Φ16 (3/8"/5/8")
	Max. refrigerant pipe length	ft	82	82	98	98
	Max. difference in level	ft	33	33	66	66
Connection wiring			16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation Temperature	Indoor(cooling/ heating)	°F	62 ~ 90/----	62 ~ 90/----	62 ~ 90/----	62 ~ 90/----
	Outdoor(cooling/heating)	°F	5 ~ 122/----	5 ~ 122/----	5 ~ 122/----	5 ~ 122/----
Application area		sq.ft	129-189	172-252	258-379	315-463

Features and Benefits



Turbo Mode



Refrigerant Leakage Detect



Sleep Mode



Cold Catalyst Filter



Intelligent Anti-cold Air Function



12 Indoor Fan Speeds



5 Outdoor Fan Speeds



Emergency Using Function



Louver Position Memory



Low Ambient Cooling