



Quantum Inverter Series

Serie Quantum Inverter



230 V

Models / Modelos MWFT__S/MRFT__AS

Technical Specifications / Especificaciones Técnicas

Model		MWFT09S/MRFT09AS	MWFT12S/MRFT12AS	MWFT18S/MRFT18AS	MWFT24S/MRFT24AS
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	Shibaura	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
	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

