



Quantum Inverter Series

Serie Quantum Inverter



230 V

Models / Modelos MWFT__S/MRFT__AS

Technical Specifications / Especificaciones Técnicas

Model		MWFT09S2/MRFT09AS2	MWFT12S2/MRFT12AS2	MWFT18S2/MRFT18AS2	MWFT24S2/MRFT24AS2	
Power supply	Ph-V-Hz	208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph	
Cooling	Capacity	9000	12000	18000	22000	
	Input	W	665	920	1440	
	Rated current	A	2.9	4	6.3	
	SEER	Btu/w	21	21	20	19
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	Twin-rotary	
	Brand		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	
	Input	W	20(Output)	20(Output)	58(Output)	
	RLA	A	0.19	0.19	0.15	
	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	
	Packing (W*D*H)	inch	34.06x10.43x13.78	34.06x10.43x13.78	44.69x15.55x12.40	
	Net/Gross weight	lbs.	16.31/20.94	19.84/25.35	26.23/34.17	
Outdoor Fan Motor	Brand		Welling	Welling	Shibaura	
	Input	W	36(Output)	40(Output)	50(Output)	
	RLA	A	0.16	0.16	0.25	
	Speed	r/min	800/750/700	800/700/600	800/750/700	
Outdoor Coil	c. FINS/INCH		21	21	18	
	d.Fin type (code)		UnHydrophilic aluminium	UnHydrophilic aluminium	UnHydrophilic aluminium	
	e.Tube outside dia.and type	mm	Φ5,innergroove tube	Φ5,innergroove tube	Φ5,innergroove tube	
	f.Coil length x height x width	mm	750x507x23.2	880x507x23.2	782x663x23.2	
	g.Number of circuits		4	4	4	
Outdoor air flow	CFM	1060	1180	1470		
Outdoor noise level	dB(A)	52.3	55.3	60.2		
Outdoor Unit	Dimension(W*D*H)	inch	30.71x9.84x21.26	31.89x12.20x21.97	33.27x12.60x27.56	
	Packing (W*D*H)	inch	35.83x13.19x23.03	36.61x15.75x24.21	37.99x15.55x29.72	
	Net/Gross weight	lbs.	60.63/66.14	68.34/72.75	89.95/97.44	
Refrigerant type	oz	R410A/30.0	R410A/30.7	R410A/40.6		
Refrigerant precharge	ft	25	25	25		
Additional charge for each ft	oz	0.161	0.161	0.161		
Design pressure	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")	
	Max. refrigerant pipe length	ft	82	82	98	
	Max. difference in level	ft	33	33	66	
Connection wiring		16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded		
Thermostat type		Remote Control	Remote Control	Remote Control		
Operation Temperature	Indoor(cooling/ heating)	°F	62~90/----	62~90/----	62~90/----	
	Outdoor(cooling/heating)	°F	5~122/----	5~122/----	5~122/----	
Application area	sq.ft	129-189	172-252	258-379		

Features and Benefits

