

Out model			M2OF-18HFN1-M	M3OF-27HFN1-M	M4OF-36HFN1-M	M5OF-48HFN1-M	
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	18000	28000	36000	48000	
	Capacity Range	Btu/h	4810~21940	7880~33510	8090~41470	10560~53160	
	Total Input	W	415~2035	670~3060	880~4160	840~4800	
	EER	Btu	12.5	12.5	11.5	12.5	
	SEER		22.5	23	22.5	22.4	
Heating at 47F	Capacity	Btu/h	19000	28000	36000	48000	
	Capacity Range	Btu/h	2950~24480	6010~36180	4050~41950	7210~55820	
	Total Input	W	370~1980	715~3170	960~3795	1020~4705	
	COP		3.6	3.9	3.4	3.6	
	HSPF4		10.3	10.3	10.2	10.2	
	HSPF5		8.8	8.5	8.7	8.3	
heating at 17F	Rated capacity	Btu/h	12000	17200	23000	29600	
heating at 5 F (-15°C)	maximum capacity	Btu/h	13900	21900	28000	34900	
MINIMUM CIRCUIT AMPACITY		A	18.0	25.0	30.0	35.0	
MAX.FUSE		A	25.0	35.0	45.0	50.0	
Compressor	Model		ATM150D23UFZ	ATF235D22UMT	ATF310D43UMT	ATQ360D1UMU	
	Type		ROTARY	ROTARY	ROTARY	Twin-ROTARY	
	Brand		GMCC	GMCC	GMCC	GMCC	
	Capacity	Btu/h	15388	24345	32380	38214	
	Input	W	1170	1970	2600	3040	
	Rated current(RLA)	A	10	20.00	22.00	21.00	
	Locked rotor Amp(LRA)	A	----	----	----	----	
	Thermal protector		----	----	----	----	
	Thermal protector position		----	----	----	----	
	Refrigerant oil/oil charge	ml	VG74/500	POE(VG74)/670	PQE(VG74)/1000	Ester Oil VG74/1400	
Outdoor fan motor	Model		ZKFN-50-8-2	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-85-8-22	
	Brand		Shibaura	Welling	Welling	Welling	
	Input	W	50(Output)	120(Output)	120(Output)	85(Output)	
	RLA	A	0.74	0.9	1.3	0.39	
	LRA	A	--	--	--	----	
	Winding Resistance	Ω	--	--	--	----	
	Capacitor	uF	--	--	--	----	
	Speed	r/min	150/200/250/300/350/450/550/650/800/850	150/200/250/300/400/500/600/750/900/10000	150/200/250/300/400/500/600/750/900/10000	150/200/250/300/400/500/600/700/800/870	
Outdoor air flow	m ³ /h	2362	3619	3619	7646		
Outdoor air flow	CFM	1390	2130	2130	4500		
Outdoor noise level	dB(A)	62.4	63.4	62.3	64		
Outdoor unit	Dimension(W*D*H)	mm	845x363x702	946x410x810	946x410x810	952x415x1333	
	Dimension(W*D*H)	inch	33.27x14.29x27.64	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48	
	Packing (W*D*H)	mm	965x395x755	1090x500x875	1090x500x875	1095x495x1480	
	Packing (W*D*H)	inch	37.99x15.55x29.72	42.91x19.69x34.45	42.91x19.69x34.45	43.11x19.49x58.27	
	Net/Gross weight	Kg	48/52	68/73	71/76	101.5/115.7	
Net/Gross weight	lbs.	105.82/114.64	149.91/160.94	156.53/167.55	223.77/255.07		
Refrigerant type	oz	R410A/70.5	R410A/98.8	R410A/105.8	R410A/162.3		
Refrigerant precharge(Total pipe length)	ft	25	25	25	25		
Additional charge for each ft	oz	0.161	0.161	0.161	0.32		
Design pressure	PSIG	550/340	550/340	550/340	550/340		
Refrigerant piping	Liquid side/ Gas side	mm(inch)	2 X Φ6.35/Φ9.52(1/4"/3/8")	3 X Φ6.35/Φ9.52(1/4"/3/8")	3x Φ9.52+1xΦ12.7(4x1/4"/3x3/8")	5 x Φ6.35/3xΦ9.52+2xΦ12.7(5x1/4"/3x3/8"+2x1/2")	
	Max. length for all rooms	m	30	45	60	75	
	Max. length for all rooms	ft	98	148	197	246	
	Max. length for one indoor unit	m	20	25	30	30	
	Max. length for one indoor unit	ft	66	82	98	98	
	Max. height difference between indoor and outdoor unit	OU higher than IU	m	10	10	10	10
		OU higher than IU	ft	33	33	33	33
		OU lower than IU	m	15	15	15	15
OU lower than IU		ft	49	49	49	49	
Max. height difference between indoor units	m	10	10	10	10		
Max. height difference between indoor units	ft	33	33	33	33		
Connection wiring			NO	NO	NO	NO	
Ambient temperature	cooling	°C	-25~50	-25~50	-25~50	-25~50	
	cooling	°F	-13~122	-13~122	-13~122	-13~122	
	heating	°C	-25~30	-25~30	-25~30	-25~30	
	heating	°F	-13~86	-13~86	-13~86	-13~86	
Qty/per 20' /40' /40'HQ	outdoor unit		102/216/216	44/96/144	44/96/144	22/46/46	