

Especificación Técnica



Match-It Unidades Exteriores

Model		MQJU-174018-HCU216A		MQJU-174024-HCU216A		MQJU-174036-HCU216A		MQJU-174048-HCU216A		MQJU-174060-HCU216A	
Indoor Unit	Type	Duct		Duct		Duct		Duct		Duct	
	Model	MQFC-174018-CHF216A		MQFC-174024-CHF216A		MQFC-174036-CHF216A		MQFC-174048-CHF216A		MQFC-174060-CHF216A	
Total Capacity	Cooling	kW	5.00	7.00	10.00	14.00	17.40	17.40	17.40	17.40	17.40
		Btu/h	17060	23884	34120	47768	59300	59300	59300	59300	59300
	Heating	kW	5.60	8.00	12.00	15.50	20.00	20.00	20.00	20.00	20.00
		Btu/h	19107.2	27296	40944	52886	68200	68200	68200	68200	68200
EER / C.O.P	W/W	3.23/3.61	3.23/3.62	3.12/3.53	2.98/3.52	2.81/3.08	2.81/3.08	2.81/3.08	2.81/3.08	2.81/3.08	2.81/3.08
		Btu/h.W	11.01/12.35	10.96/12.35	10.66/12.35	10.16/12.02	9.56/10.49	9.56/10.49	9.56/10.49	9.56/10.49	9.56/10.49
SEER / HSPF	Btu/h.W	17.00/10.00	18.00/11.00	17.00/10.00	17.00/10.00	17.00/10.00	17.00/10.00	17.00/10.00	17.00/10.00	17.00/10.00	
Energy Class											
Electrical Data	Power supply	V-Hz-Ph	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1	220-240-60-1
	Power input ¹	Cooling	kW	1.55	2.18	3.20	4.40	6.20	6.20	6.20	6.20
		Heating	kW	1.55	2.21	3.40	4.40	6.50	6.50	6.50	6.50
	Rated Power input ²	Cooling	kW	2.50	3.80	4.65	6.70	7.40	7.40	7.40	7.40
		Heating	kW	2.40	4.00	4.75	6.70	7.20	7.20	7.20	7.20
	Input current ¹	Cooling	A	7.50	10.10	15.00	21.80	23.00	23.00	23.00	23.00
		Heating	A	7.40	10.20	15.50	20.40	22.00	22.00	22.00	22.00
	Rated current ²	Cooling	A	11.50	17.50	21.50	32.50	35.00	35.00	35.00	35.00
		Heating	A	11.10	18.40	22.00	32.50	34.00	34.00	34.00	34.00
	Max. Overcurrent Protection	A									
Min/Max Voltage	V	198/264	198/264	198/264	198/264	198/264	198/264	198/264	198/264	198/264	
Power cord spec	mm ² xpcs	1.50x3	1.50x3	2.50x3	2.50x3	6.00x3	6.00x3	6.00x3	6.00x3	6.00x3	
Sound Pressure Level (H/M/L)*	dB (A)	56/-/-	57/-/-	63/-/-	59/-/-	63/-/-	63/-/-	63/-/-	63/-/-	63/-/-	
Sound Power Level (H/M/L)*	dB (A)	-/-/-	-/-/-	-/-/-	-/-/-	-/-/-	-/-/-	-/-/-	-/-/-	-/-/-	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Charge	kg	1.4	2.2	3.5	4.0	5.5	5.5	5.5	5.5	
Compressor	Throttling Method		Electronic expansion valve/Electronic expansion valve	Electronic expansion valve/Electronic expansion valve	Electronic expansion valve/Electronic expansion valve	Electronic expansion valve/Electronic expansion valve	Electronic expansion valve/Electronic expansion valve	Electronic expansion valve/Electronic expansion valve	Electronic expansion valve/Electronic expansion valve	Electronic expansion valve/Electronic expansion valve	
	Type		Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	
	Quantity		1	1	1	1	1	1	1	1	
	Capacity	W	4320	7250	12100	13500	13500	13500	13500	13500	
	Power input	W	1440	2550	4150	4580	4580	4580	4580	4580	
	Run Capacitor	µF(MFD)									
	Rated Load Amp (RLA)	A	7.2	11.5	19	21	21	21	21	21	
	Locked rotor Amp (L.R.A)	A									
	Thermal protector		External Auto Reset Thermal Overload Protector	External Auto Reset Thermal Overload Protector	External Auto Reset Thermal Overload Protector	External Auto Reset Thermal Overload Protector	External Auto Reset Thermal Overload Protector	External Auto Reset Thermal Overload Protector	External Auto Reset Thermal Overload Protector	External Auto Reset Thermal Overload Protector	External Auto Reset Thermal Overload Protector
	Crankcase	W	25	40	40	40	40	40	40	40	
Refrigerant oil	Type		68EP	RB68EP	68EP	FV50S	FV50S	FV50S	FV50S	FV50S	
	Charge Volume	L	0.39	0.95	0.95	1.35	1.35	1.35	1.35	1.35	
Air Flow Volume	CFM	1883.2	2354	3001.35	3884.1	5179	5179	5179	5179	5179	
	m ³ /h	3200	4000	5100	6600	8800	8800	8800	8800	8800	
Fan Motor	Model		SWZ150E	SWZ150A	SWZ150B	SWZ120A	SWZ150D	SWZ150D	SWZ150D	SWZ150D	
	Drive Type		Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	
	Speed (H/M/L)*	rpm	760	800	780	820	800	800	800	800	
	Power Output	PH									
	Full Load Amp(FLA)	A									
	Insulation class		B	B (大洋) / E (芝浦)	B	E	B	B	B	B	
	Safe class		IP44	IP44	IP44	IP23	IP44	IP44	IP44	IP44	
	Capacitor	µF									
Fan	Type		Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	
	Quantity		1	1	1	2	2	2	2	2	
Condenser	Diameter-Height	inch	φ20.47-6.08	φ21.73-5.59	φ22.44-5.98	φ18.58-6.3	φ20.47-6.08	φ20.47-6.08	φ20.47-6.08	φ20.47-6.08	
	Material		Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	
	Face Area	sq.ft	5.8472.5	8.2932.5	11.7652.5	12.1632.5	13.022.5	13.022.5	13.022.5	13.022.5	
	Pipe Diameter	m ²	0.544.2	0.774.2	1.094.2	1.134.2	1.214.2	1.214.2	1.214.2	1.214.2	
	Number of rows	mm	φ7	φ7.94	φ7.94	φ7.94	φ7.94	φ7.94	φ7.94	φ7.94	
	Tube pitch(a)x row pitch(b)	mm	2	2	3	2	3	3	3	3	
	Fins per Inch(FPI)	mm	22x19.05	22x19.05	22x19.05	22x19.05	22x19.05	22x19.05	22x19.05	22x19.05	
	Fin type		18	18	17	14	16	16	16	16	
	Number of circuits		4	5	8	10	9	9	9	9	
	Length(L) x Height(H) x Width(W)	mm	823x660x38.1	1035x748x38.1	1035x1056x57.1	855.5x1320x38.1	916.45x1320x57.15	916.45x1320x57.15	916.45x1320x57.15	916.45x1320x57.15	
Permissible Excessive Operating Pressure for the Discharge Side	Mpa	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2		
Permissible Excessive Operating Pressure for the Suction Side	Mpa	5.8472.5	8.2932.5	11.7652.5	12.1632.5	13.022.5	13.022.5	13.022.5	13.022.5		
Operation temp	Cooling	°C	-15~-48	-15~-48	-15~-48	-15~-48	-15~-48	-15~-48	-15~-48	-15~-48	
	Heating	°C	-10~24	-10~24	-10~24	-10~24	-10~24	-10~24	-10~24	-10~24	
Defrosting Method		Auto defrost	Auto defrost	Auto defrost	Auto defrost	Auto defrost	Auto defrost	Auto defrost	Auto defrost		
Isolation			I	I	I	I	I	I	I		
Moisture Protection		IP24	IP24	IP24	IP24	IP24	IP24	IP24	IP24		
Overload Protector		Discharge High Temperature Protection	High Presser Protector, Discharge High Temperature Protection	High Presser Protector, Discharge High Temperature Protection	High Presser Protector, Discharge High Temperature Protection	High Presser Protector, Low Presser Protector, Discharge High Temperature Protection	High Presser Protector, Low Presser Protector, Discharge High Temperature Protection	High Presser Protector, Low Presser Protector, Discharge High Temperature Protection	High Presser Protector, Low Presser Protector, Discharge High Temperature Protection	High Presser Protector, Low Presser Protector, Discharge High Temperature Protection	
Dimension	Outline dimension (WxDxH)	mm	955x396x700	980x427x790	1107x440x1100	958x412x1349	1085x425x1365	1085x425x1365	1085x425x1365	1085x425x1365	
	Package dimension (LxWxH)	mm	37.6x15.6x27.6	38.6x16.8x31.1	43.6x17.3x43.3	37.7x16.2x53.1	43.6x17.3x43.3	43.6x17.3x43.3	43.6x17.3x43.3	43.6x17.3x43.3	
	Net Weight	kg	47.0	67.0	92.0	105.0	121.0	121.0	121.0	121.0	
Weight	Gross Weight	kg	50.0	72.0	100.0	115.0	133.0	133.0	133.0	133.0	
Loading quantity	Outdoor Unit	20*GP	81	44	22	27	24	24	24	24	
		40*GP	171	96	46	56	48	48	48	48	
	Outdoor Unit and Indoor Unit(within panel)	40*HQ	171	144	92	56	48	48	48	48	
		20*GP	42	39	22	17	18	18	18	18	
		40*GP	93	76	45	38	40	40	40	40	
			95	89	60	48	40	40	40		
Connection Pipe	Valve Connection Type		Screw thread joint	Screw thread joint	Screw thread joint	Screw thread joint	Screw thread joint	Screw thread joint	Screw thread joint	Screw thread joint	
	Length	m	5	5	5	7.5	7.5	7.5	7.5		
	Gas additional charge	g/m	30	60	60	60	60	60	60		
	Outer Diameter	Liquid Pipe	Inch	1/4	3/8	3/8	0.375	3/8"	3/8"	3/8"	
		Gas Pipe	Inch	1/2	5/8	5/8	0.625	3/4"	3/4"	3/4"	
	Max Distance	Height	m	15	15	15	30	30	30	30	
Length	m	20	30	30	50	50	50	50			

Note:
 1. The cooling capacity stated above is measured under following conditions :
 Indoor Condition: 27°C (81°F) DB/19°C (66.6°F) WB;
 Outdoor Condition: 35°C (95.4°F) DB/24°C (75.6°F) WB.
 2. Noise is tested in the semi-anechoic room, so it should be slightly higher in the actual Operation due to environmental change.
 3.*1" is tested under standard condition.
 *2" is tested under rated condition according to CE/Eurovent standard: ()
 4.* Fan different speed