

1. Model Reference

Refer to the following table to determine the specific indoor and outdoor unit model number of your purchased equipment.

Indoor Unit Model	Outdoor Unit Model	Capacity (Btu/h)	Power Supply
MSCA1BU-12HRFN8-QRD6GW	MOX230-12HFN8-QRD6GW	12k	1Phase, 220-240V~, 50Hz

2. General Specifications

Model		MSCA1BU-12HRFN8-QRD6GW	
Power supply		V- Ph-Hz	220-240-1-50
Max. input consumption		W	2200
Max. current		A	10.5
Compressor	Model		KSN98D64UFZ3
	Type		ROTARY
	Brand		GMCC
	Capacity	W	1930/3100
	Input	W	292/765
	Rated current(RLA)	A	2.15/4.65
	Locked rotor Amp(LRA)	A	/
	Thermal protector		/
	Thermal protector position		/
	Capacitor	uF	/
	Refrigerant oil/oil charge	ml	ESTER OIL VG74/300
Indoor fan motor	Model		ZKFP-13-8-4-17
	Input	W	50
	Output	W	13
	Capacitor	uF	/
	Speed(Hi/Mi/Lo)	r/min	1100/900/700
Indoor coil	Number of rows		2
	Tube pitch(a)x row pitch(b)	mm	21x13.37
	Fin spacing	mm	1.3
	Fin type (code)		Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube
	Coil length x height x width	mm	653x210x26.74+ 653x105x26.74
	Number of circuits		2
Indoor air flow (Hi/Mi/Lo)		m3/h	580/444/312
Indoor sound pressure level (Hi/Mi/Lo)		dB(A)	38/33/21.5
Indoor sound power level		dB(A)	52
Indoor unit	Dimension(W*D*H)	mm	1000x212x335
	Packing (W*D*H)	mm	1095x415x315
	Net/Gross weight	kg	13.4/18.2
Outdoor fan motor	Model		ZKFN-34-10-1-3
	Input	W	99.6
	Output	W	34
	Capacitor	uF	/
	Speed	r/min	800/450
Outdoor coil	Number of rows		1
	Tube pitch(a)x row pitch(b)	mm	21x22
	Fin spacing	mm	1.3
	Fin type (code)		Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube
	Coil length x height x width	mm	745*504*22
	Number of circuits		2

Outdoor air flow		m3/h	2200
Outdoor sound pressure level		dB(A)	53
Outdoor sound power level		dB(A)	59
Outdoor unit	Dimension(W*D*H)	mm	765x303x555
	Packing (W*D*H)	mm	887x337x610
	Net/Gross weight	kg	26.4/28.8
Refrigerant	Type		R32
	GWP		675
	Charged quantity	kg	0.7
Design pressure		MPa	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")
	Max. refrigerant pipe length	m	25
	Max. difference in level	m	10
Connection wiring			1.5x5Core
Plug type			no-plug
Thermostat type			Remote Control
Operation temperature			16-30
Ambient temperature	Indoor(cooling/ heating)	°C	16-32/0-30
	Outdoor(cooling/heating)	°C	-15-50/-15-24
Qty'per 20' /40' /40'HQ			82/175/196

Notes:

1) Capacities are based on the following conditions:

Cooling(T1): - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB

-Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB

-Interconnecting Piping Length 5m

- Level Difference of Zero.

Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB

-Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB

- Interconnecting Piping Length 5 m

- Level Difference of Zero.

2) Capacities are Net Capacities.

3) Due to our policy of innovation some specifications may be changed without notification.