

Indoor Unit Model		MSAGAU-09HRFN8-QRD1GW	MSAGBU-12HRFN8-QRD1GW	
Outdoor Unit Model		MOX133-09HFN8-QRD1GW	MOX133-12HFN8-QRD1GW	
Power supply	V- Ph-Hz	220~240-1-50	220~240-1-50	
Rated Power Input	W	2150	2150	
Rated Current	A	10	10	
Compressor	Model	KSK103D32UEZ31	KSK103D32UEZ31	
	Type	ROTARY	ROTARY	
	Brand	GMCC	GMCC	
	Capacity	W	2020/3245 ±3%	2020/3245 ±3%
	Input	W	332/850 ±3%	332/850 ±3%
	Rated current(RLA)	A	2.42/5.70 ±3%	2.42/5.70 ±3%
	Locked rotor Amp(LRA)	A	/	/
	Thermal protector		/	/
	Thermal protector position		NA	NA
	Capacitor	uF	/	/
Refrigerant oil/oil charge	ml	ESTER OIL VG74 280 ±10	ESTER OIL VG74 280 ±10	
Indoor fan motor	Model	ZKFP-30-8-357L	ZKFP-30-8-357L	
	Input	W	27.1	
	Output	W	30	
	Capacitor	uF	/	
	Speed(Hi/Mi/Lo)	r/min	1050/910/700	1100/950/700
Indoor coil	Number of rows		2	
	Tube pitch(a)x row pitch(b)	mm	21x13.37	
	Fin spacing	mm	1.2/1.3	
	Fin type (code)		Hydrophilic aluminum	
	Tube outside dia.and type	mm	Φ7,Inner groove tube	
	Coil length x height x width	mm	525x84x13.37+ 525x105x26.74+ 525x105x26.74	
	Number of circuits		2	
Indoor air flow (Hi/Mi/Lo)	m ³ /h	460/330/260	570/490/450	
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	37/32/25//	40.5/37.5/24/20	
Indoor sound power level	dB(A)	52	56	
Indoor unit	Dimension(WxDxH)	mm	726x210x291	
	Packing (WxDxH)	mm	790x270x375	
	Net/Gross weight	kg	7.7/9.9	
Outdoor fan motor	Model	ZKFN-25-10-5L	ZKFN-25-10-5L	
	Input	W	77.45	
	Output	W	25	
	Capacitor	uF	/	
	Speed	r/min	780/600	

Outdoor coil	Number of rows		1	1
	Tube pitch(a)x row pitch(b)	mm	19.5x11.6	18x17.3
	Fin spacing	mm	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube
	Coil length x height x width	mm	745x468x17.3	745x468x17.3
	Number of circuits		3	3
Outdoor air flow		m ³ /h	1750	1750
Outdoor sound pressure level		dB(A)	55	54.5
Outdoor sound power level		dB(A)	60	64
Outdoor unit	Dimension(WxDxH)	mm	720x270x495	720x270x495
	Packing (WxDxH)	mm	835x300x540	835x300x540
	Net/Gross weight	kg	21/22.8	21/22.8
Refrigerant	Type		R32	R32
	GWP		675	675
	Charged quantity	kg	0.47	0.52
Design pressure		MPa	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm (inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/3/8")
	Max. refrigerant pipe length	m	25	25
	Max. difference in level	m	10	10
Connection wiring			1.5x5Core	1.5x5Core
Plug type			1.5x3/no-plug	1.5x3/no-plug
Thermostat type			Remote Control	Remote Control
Operation temperature			16-30	16-30
Ambient temperature	Indoor(cooling/ heating)	°C	16-32/0-30	16-32/0-30
	Outdoor(cooling/heating)	°C	-15-50/-20-24	-15-50/-20-24
Qty'per 20' /40' /40'HQ			138/282/312	125/256/284

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.

4) TDB Summer Outdoor: 35°C; TWB Summer Outdoor: 21,4°C; TDB Winter Outdoor: -0.8°C; RH Winter Outdoor: 90%.