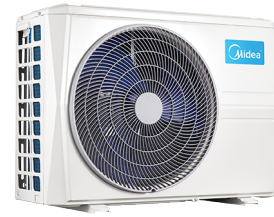


MISSION SERIES



Indoor unit



Outdoor unit



Remote control



INDOOR			MSMBAU-09HRFN1-QRD0GW(B)	MSMBBU-12HRFN1-QRD0GW(B)	MSMBCU-18HRFN1-QRD0GW(B)	MSMBDU-24HRFN1-QRD0GW(B)
OUTDOOR			MOBA02-09HFN1-QRD0GW	MOB03-12HFN1-QRD0GW	MOB02-18HFN1-QRD0GW	MOCA01-24HFN1-QRD0GW
Nominal Cooling Capacity (min-max)		kW	2.6 (1.17 - 3.3)	3.5(1.35 - 4.5)	5.3 (1.9 - 6.2)	7.0 (2.6 - 8.1)
Nominal Heating Capacity (min-max)		kW	3.0 (.91 - 3.75)	4.0 (1.1 - 4.9)	5.7 (1.4 - 6.8)	7.6 (2.1 - 9.3)
UK Total Cooling Capacity		kW	2.49	3.32	4.98	6.64
Power supply (indoor power via outdoor)		V-Hz-Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph
Cooling Current (min-max)		A	3.5(0.4-5.5)	4.7(0.5-7.6)	7.1(0.7-10.3)	10.2(1.0-13.5)
Heating Current (min-max)		A	3.5(0.6-5.8)	4.6(0.7-7.7)	6.5(1.0-10.6)	10.0(1.3-14.4)
Max. current		A	9.5	10.0	11.5	16.5
Outdoor Recommended Fuse Size		A	16	16	16	20
Interconnecting Wiring		No.	2 Core 1.5mm	2 Core 1.5mm	2 Core 1.5mm	2 Core 2.5mm
Seasonal Efficiency SEER/Class		W/W	6.8/A++	7.2/A++	6.8/A++	6.2/A++
Seasonal Efficiency SCOP/Class		W/W	5.1/A+++	5.3/A+++	5.4/A+++	5.1/A+++
Indoor air flow (Hi/Mi/Lo)		m ³ /h	500/420/310	419/458/266	725/530/460	1055/850/670
Indoor sound pressure level (Hi/Mi/Lo)		dB(A)	35/29/22	36/33/27	40/35/31	44/38/29
Indoor unit	Dimension (W*D*H)	mm	730x198x293	810x200x300	980x225x325	1090x235x338
	Net/Gross weight	Kg	7.4/9.8	8.2/11.1	10.5/13.5	12.9/16.5
Outdoor air flow		m ³ /h	1900	2000	2100	2700
Outdoor sound pressure level		dB(A)	49	49	49	54
Outdoor unit	Dimension (W*D*H)	mm	770x300x555	800x333x554	800x333x554	845x363x702
	Packing (W*D*H)	mm	900x345x585	920x390x615	920x390x615	965x395x755
	Net/Gross weight	Kg	27.1/29.4	29.7/32.4	37.2/40	48.5/51.7
Refrigerant	Type		R410A	R410A	R410A	R410A
	GWP		2088	2088	2088	2088
	Charged quantity	Kg	0.8	0.95	1.48	2
	Additional Charge	g/m	15	15	15	30
Refrigerant piping	Liquid side/Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	25	25	30	50
	Max. height difference	m	10	10	20	25
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	Indoor (cooling/ heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor (cooling/heating)	°C	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB.
 Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.
 UK Conditions: Summer: indoor 21°C DB, 15°C WB, outdoor 27°C DB.
 Sound Pressure is measured 1.0m below the air-outlet at Nominal Conditions.

Outdoor Model			M50E-42HFN1-Q				
Indoor unit combination			Single	Double	Three	FOUR	Five
Power supply		V-ph-Hz	220-240V- 50Hz, 1Ph				
Cooling	Capacity	Btu/h	7000-18000	14000-28000	21000-36000	28000-40000	42000
	Input	W	680-1800	1400-2780	2100-3450	2700-3700	3822
	Rated current	A	3.0-8.0	6.2-11.8	9.0-15.0	11.6-16.0	16,6
	EER	W/W	/	/	/	/	3,22
Heating	Capacity	Btu/h	7000-18000	14000-28000	21000-36000	28000-40000	42000
	Input	W	680-1800	1400-2680	1995-3330	2580-3570	3372
	Rated current	A	3.0-8.0	6.2-11.3	8.5-14.5	11.1-15.8	14,7
	COP	W/W	/	/	/	/	3,65
Max. input consumption		W	4700				
Max. input current		A	22				
Compressor	Model		ATF310D43UMT				
	Type		ROTARY				
	Brand		GMCC				
	Capacity	Btu/h	32380				
	Input	W	2600				
	Rated current(RLA)	A	5,1				
	Locked rotor Amp(LRA)	A	-----				
	Thermal protector position		INTERNAL				
	Capacitor	µF	-----				
	Refrigerant oil	ml	PQE(VG74)/1000				
Outdoor fan motor	New Model		ZKFN-120-8-2				
	Model		WZDK120-38G-W				
	Qty		1				
	Output	W	120(Output)				
	Capacitor	µF	-----				
Outdoor coil	Speed(Hi/Med/Lo)	r/min	900				
	Number of rows		2,6				
	Tube pitch(a)* row pitch(b)	mm	25.4x22				
	Fin spacing	mm	1.3				
	Fin type		Hydrophilic aluminium				
	Tube outside dia.and type	mm	Φ9.52,innergroove tube				
	Coil length * height * width	mm	978x762x44+580x762x22				
Outdoor air flow		m3/h	5500				
Outdoor sound pressure level		dB(A)	62				
Throttle type			Capillary+EXV				
Outdoor unit	Dimension(WxDxH)	mm	946x410x810				
	Packing(WxDxH)	mm	1090x500x865				
	Net/Gross weight	kg	76/81				
Refrigerant	Type		R410A				
	GWP		2088				
	Charged quantity	Kg	3.6				
Design pressure		MPa	4.2/1.5				
Refrigerant piping	Liquid side/ Gas side		mm(inch)	5 x Φ6.35/4x Φ9.52+1xΦ12.7(5x1/4"/4x3/8"+1x1/2")			
	Max. length for all rooms		m	75			
	Max. length for one indoor unit		m	30			
	Max. height difference between indoor and outdoor unit	OU higher than IU	m	10			
		OU lower than IU	m	15			
	Max. height difference between indoor units		m	10			
Ambient temperature	Cooling	℃	-15-50				
	Heating	℃	-15-24				

1.The above design and specifications are subject to change without prior notice for product improvement.

2.The values given in the table for the noise level reflect the levels in hemi-anechoic rooms.