

<b>Code</b>			22022010014058	22022010014057
<b>Indoor code</b>			22022011015262	22022011015261
<b>outdoor code</b>			22022016015160	22022016015220
<b>Model</b>			MSAGCU-18HRFN8-QRD0GW	MSAGDU-24HRFN8-QRD0GW
<b>Indoor</b>			MA3-18HRFN8-QRD0GW	MA3-24HRFN8-QRD0GW
<b>Outdoor</b>			MA3-18HFN8-QRD0GW	MA3-24HFN8-QRD0GW
Power supply		Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Rated Cooling	Capacity	Btu/h	18000(11570~20130)	24000(7200-28000)
Cooling Power input		W	1550(560~2050)	2402(420-3200)
Cooling Current		A	6.7(2.4~9)	10.5(1.8-13.9)
	EER	W/W	3.40	2.91
Rated Heating	Capacity	Btu/h	19000(10580~19960)	25000(5300-28000)
Heating Power input		W	1750(780~2000)	2130(300-3100)
Heating Current		A	7.6(3.4~8.7)	9.3(1.3-13.5)
	COP	W/W	3.71	3.44
Seasonal Cooling	Pdesignc	kW	5,3	7,0
	SEER	W/W	7,0	6,4
	Energy Efficiency Class		A++	A++
Heating(Average )	Pdesignh	kW	4,2	4,9
	SCOP	W/W	4,0	4,0
	Energy Efficiency Class		A+	A+
	Tbiv	°C	-7	-7
Heating(Warmer )	Pdesignh	kW	4,5	5,3
	SCOP	W/W	5,1	5,1
	Energy Efficiency Class		A+++	A+++
	Tbiv	°C	2,0	2
Heating(Colder)	Pdesignh	kW	6,7	10,8
	SCOP	W/W	3,1	2,8
	Energy Efficiency Class		B	C
	Tbiv	°C	-10	-10
Tol		°C	-15	-15
Moisture Removal		L/h	/	/
Max. input consumption		W	2500	3700
Max. current		A	13	19
Starting current		A	/	/
Compressor	Model		KSN140D21UFZ	KTM240D57UMT
	Type		ROTARY	Rotary
	Brand		GMCC	GMCC
	Capacity (30Hz/60Hz)	W	4385	7715
	Input (30Hz/60Hz)	W	1140	2085
	Rated current(RLA) (30Hz/60Hz)	A	7,5	9,45
	Locked rotor Amp(LRA)	A	----	/
	Thermal protector		----	/
	Thermal protector position		INTERNAL	/
	Capacitor	μF	----	/
Refrigerant oil/oil charge	ml	VG74 440	VG74/670	
Indoor fan motor	Model		ZKFP-30-8-3	ZKFP-58-8-1-5
	Old Model			
	Input	W	36.0	58
	Capacitor	uF	/	/
	Speed(Hi/Mi/Lo)	r/min	1150/1000/850	1150/1000/850
Indoor coil	a.Number of rows		2,0	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37
	c.Fin spacing	mm	1,2	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	750x210x26.74+750x126x26.74	820x210x26.74+820x126x26.74
	g.Number of circuits		4	4
Indoor air flow (Hi/Mi/Lo)		m3/h	800/600/500	1090/770/610
Indoor noise level (Hi/Mi/Lo/Si)		dB(A)	41/37/31/20	46/37/34.5/21

Indoor sound power level		dB(A)	56	62
Indoor unit	Dimension(W*D*H)	mm	969*320*241	1083*336*244
	Packing (W*D*H)	mm	1045*405*315	1155*415*315
	Net/Gross weight	Kg	11.2/14.6	13.6/17.3
Outdoor fan motor	Model		ZKFN-34-10-1	ZKFN-80-8-3
	Input	W	/	/
	Capacitor	uF	/	/
	Speed	r/min	760/650	'830/550
Outdoor coil	a.Number of rows		2.0	1,6
	b.Tube pitch(a)x row pitch(b)	mm	21X22	21X22
	c.Fin spacing	mm	1,3	1,3
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube
	f.Coil length x height x width	mm	860x504x26.74	900*44*609
	g.Number of circuits		4	5
Outdoor air flow		m3/h	2100	3500
Outdoor sound pressure level		dB(A)	57	60
Outdoor sound power level		dB(A)	65	67
Outdoor unit	Dimension(W*D*H)	mm	874*330*554	955*342*673
	Packing (W*D*H)	mm	915*370*615	995*398*740
	Net/Gross weight	Kg	33.5/36.1	43.9/46.9
Refrigerant	Type		R32	R32
	GWP		675	675
	Charged quantity	Kg	1.1	1.45
Design pressure		MPa	4.6/1.7	4.6/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	30	50
	Max. difference in level	m	20	25
Connection wiring			1.5x5	2.5x5(Optional)
Plug type			1.5x3/no-plug	2.5x3/no-plug
Thermostat type			Remote Control	Remote Control
Room temperature	Indoor(cooling/ heating)	°C	17~32/0~30	17~32/0~30
	Outdoor(cooling/heating)	°C	-15~-50/-15~-24	-15~-50/-15~-24
Application area (Cooling Standard)		m2	24-35	32-47
Qty'per 20' /40' /40'HQ			86/174/204	64/134/156