

Indoor		MSR1i-09HRDN1	MSR1i-12HRDN1	MSR1i-18HRDN1	
Outdoor		MOA2i-09HNDN1	MOB2i-12HNDN1	MOC2i-18HNDN1	
Power supply		Ph-V-Hz	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	1Ph, 220-240V~, 50Hz
Cooling	Capacity	Btu/h	9000(2250~10500)	12000(2450~14500)	18000(5100~23000)
	Input	W	815(180~1100)	1095(210~1380)	1640(380~2300)
	Rated current	A	3.6(0.9~4.8)	4.8(1.0~6.2)	7.3(1.8~10.2)
	EER	W/W	3.24	3.21	3.21
Heating	Capacity	Btu/h	10000(2300~11500)	13000(2800~16600)	18000(5300~24000)
	Input	W	8100(170~1050)	1055(210~1480)	1460(350~2000)
	Rated current	A	3.5(0.8~4.6)	4.7(1.0~6.6)	6.5(1.6~9.0)
	COP	W/W	3.62	3.61	3.61
Moisture Removal		L/h	1.0	1.2	1.8
Max. input consumption		W	1700	2040	2640
Max. current		A	7.7	9.4	11.9
Compressor	Model		DA108X1C-23EZ	DA108X1C-23EZ	DA130S1C-20FZ
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	11021	11021	13170
	Input	W	855	855	990
	Rated current(RLA)	A	4.95	4.95	4.97
	Locked rotor Amp(LRA)	A	----	----	----
	Thermal protector		----	----	1NT01L-4639 or KSD301
	Capacitor	uF	6.0	6	45
Refrigerant oil/oil charge	ml	ESTER OIL VG74 480ml	ESTER OIL VG74 480ml	ESTER OIL VG74/500	
Indoor fan motor	Model		RPG13H	RPG20E	RPG25
	Brand		Welling	Welling	Welling
	Input	W	34	45	55
	Capacitor	uF	1.2	1.5	1.5
	Speed(Hi/Mi/Lo)	r/min	1150 / 1000 / 820	1200 / 950 / 800	1180/1080/940
Indoor coil	a.Number of rows		2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	20x11.28	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic Al	Hydrophilic Al	Hydrophilic Al
	e.Tube outside dia.and type	mm	φ6,innergroove tube	φ7,innergroove tube	φ7,innergroove tube
	f.Coil length x height x width	mm	540x240x22.56	637x210x26.74+573x63x26.74	769x273x26.74
	g.Number of circuits		2	2	3
Indoor air flow (Hi/Mi/Lo)		m ³ /h	500/430/360	600/480/400	830/760/660
Indoor noise level (Hi/Mi/Lo)		dB(A)	42/36/32	42/39/34	45/43/39
Indoor unit	Dimension(W*D*H)	mm	710x189x250	790x196x275	930x198x275
	Packing (W*D*H)	mm	775x260x324	865x265x350	1015x265x350
	Net/Gross weight	Kg	7 / 8.5	8.5 / 10.5	10 / 13.5
Outdoor fan motor	Model		YDK24-6K	YDK24-6G	YDK24-6G
	Brand		Welling	Welling	Welling
	Input	W	63/49	67/48	67/48
	Capacitor	uF	2.5	2.5	2.5
	Speed	r/min	815 / -- / 590	800 / 550 / --	800 / 550 / --
Outdoor coil	a.Number of rows		1	1	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.4	1.4	1.4
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	φ7,innergroove tube	φ7,innergroove tube	φ7,innergroove tube
	f.Coil length x height x width	mm	694x504x13.37	755x504x13.37	655x546x26.74
	g.Number of circuits		2	2	3
Outdoor air flow		m ³ /h	1650	1800	2200
Outdoor noise level		dB(A)	55	55	53
Outdoor unit	Dimension(W*D*H)	mm	700x240x540	780x250x540	760x285x590
	Packing (W*D*H)	mm	815x325x580	910x335x585	887x355x645
	Net/Gross weight	Kg	26.5 / 28	28 / 30	39.5/41
Refrigerant type		g	R410A/670g	R410A/760g	R410A/1150g
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5
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")
	Max. refrigerant pipe length	m	20	20	20
	Max. difference in level	m	8	8	8
Plug type			1.5 / VDE	1.5 / VDE	1.5
Thermostat type			Remote Control	Remote Control	Remote Control
Operation temp		°C	17-30	17-30	17-30
Ambient temp (cooling/heating)		°C	0-50/-15-34	0-50/-15-34	0-50/-15-34
Application area		m ²	13-22	16-27	25-42