

Code		MAS12C1FFM	MAS12C2FFM	MAS18C2FFM	MAS24C2FFM	MAS12H1FFM	MAS12H2FFM	MAS18H2FFM	MAS24H2FFM	
Indoor code		MAS12C1FVR 22022010015618 22022011016861	MAS12C2FVR 22022010015619 22022011016862	MAS18C2FVR 22022010015717 22022011017022	MAS24C2FVR 22022010015709 22022011017043	MAS12H1FVR 22022011016903	MAS12H2FVR 22022010015660 22022011016903	MAS18H2FVR 22022010015778 22022011017023	MAS24H2FVR 22022010015798 22022011017042	
Outdoor code		22022016016721	22022016016722	22022016016882	22022016016882	22022016016782	22022016016882	22022016016883	22022016016881	
Model		MSAFB-12CRDN1-BQ0W	MSAFB-12CRDN1-NQ0W	MSAFC-17CRDN1-NQ0W	MSAFD-21CRFN1-NQ0W	MSAFB-12HRDN1-BQ0W	MSAFB-12HRDN1-NQ0W	MSAFC-17HRDN1-NQ0W	MSAFD-21HRDN1-NQ0W	
Indoor		MSAFB-12CRDN1-BQ0W	MSAFB-12CRDN1-NQ0W	MSAFC-17CRDN1-NQ0W	MSAFD-21CRFN1-NQ0W	MSAFB-12HRDN1-BQ0W	MSAFB-12HRDN1-NQ0W	MSAFC-17HRDN1-NQ0W	MSAFD-21HRDN1-NQ0W	
Outdoor		MSAFB-12CRDN1-BQ0W	MSAFB-12CRDN1-NQ0W	MSAFC-17CRDN1-NQ0W	MSAFD-21CRFN1-NQ0W	MSAFB-12HRDN1-BQ0W	MSAFB-12HRDN1-NQ0W	MSAFC-17HRDN1-NQ0W	MSAFD-21HRDN1-NQ0W	
Power supply		115V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	115V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	
Cooling (Standard conditions)	Capacity	Btu/h	12000	17000	21000	12000	12000	17000	21000	
	Input	W	1180	1550	2060	1200	1200	1600	2195	
	Current	A	10.4	5.2	6.8	9.1	13.04	7	9.8	
	EER	W/W	2.98	3.20	2.99	2.86	2.93	3.10	2.80	
	SEER	W/W	18.5	18.5	17.0	19.0	18.0	17.5	17.0	
Heating (Standard conditions)	Capacity	Btu/h	-	-	-	12000	12000	17000	21000	
	Input	W	-	-	-	1090	1085	1500	2000	
	Current	A	-	-	-	11.56	4.81	6.5	8.8	
	EER	W/W	-	-	-	3.23	3.24	3.24	3.08	
Rated Power Input	W	1850	2100	2950	3050	1600	1650	2950	3050	
Rated Current	A	16.5	9.5	13.5	14	16.5	8.0	13.5	14	
Starting current	A	15	8	15	14	65	25	0	0	
Compressor	Model	KSK103D33UEZ3	KSK103D33UEZ3	KSK103D33UEZ3	KTN150D30UFZA	KSK103D33UEZ3	KSK103D33UEZ3	KSN103D1UFZ	KTN150D30UFZA	
	Type	ROTARY	ROTARY	ROTARY	Twin-ROTARY	ROTARY	ROTARY	ROTARY	Twin-ROTARY	
	Brand	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	
	Capacity	W	2035/3255	2035/3255	4730	2035/3255	2035/3255	4385	4730	
	Input	W	325/826	325/826	325/826	1250	325/826	1140	1250	
	Rated current(RLA)	A	2.40/5.65	2.40/5.65	8.10	2.40/5.65	2.40/5.65	7.50	8.10	
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 310	ESTER OIL VG74 310	ESTER OIL VG74 310	ESTER OIL VG74 450	ESTER OIL VG74 310	ESTER OIL VG74 310	VG74 440	ESTER OIL VG74 450
Indoor fan motor	Model	YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-28-4-6-5	ZKFP-58-8-1-5	YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-20-4-6-5	YKFG-45-4-13	
	Input	W	46.0	47.4	58.5	58.0	46.0	47.4	58.5	
	Capacitor	uF	3	1.5	3	1.5	3	1.5	3	
	Speed(Hi/Mi/Lo)	r/min	1180/950/750	1180/950/750	1200/1000/800	1200/1000/800	1150/950/750	1150/950/750	1200/1000/800	1200/1000/800
Indoor coil	a.Number of rows	2	2	2	2	2	2	2	2	
	b.Tube pitch(a)x row pitch(b)	mm	19.5x11.6	19.5x11.6	21x13.37	21x13.37	19.5x11.6	19.5x11.6	21x13.37	
	c.Fin spacing	mm	1.2	1.2	1.2	1.3	1.2	1.2	1.3	
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	
	e.Tube outside dia and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ7,Inner groove tube	Φ5,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	
	f.Coil length x height x width	mm	595x78x23.2+595x117x23.2+595x78x23.2	595x78x23.2+595x117x23.2+595x78x23.2	750x189x26.74+750x105x26.74	780x210x26.74+780x105x26.74	595x78x23.2+595x117x23.2+595x78x23.2	595x78x23.2+595x117x23.2+595x78x23.2	750x189x26.74+750x105x26.74	780x210x26.74+780x105x26.74
	g.Number of circuits	4	4	3	4	4	4	4	4	
Indoor air flow (Hi/Mi/Lo)	m3/h	593/455/337	609/470/350	818/639/515	980/750/610	580/450/340	580/470/350	816/639/515	980/750/610	
Indoor noise level (Hi/Mi/Lo)	dB(A)	40/33.5/27.5	40/33.5/26	43.5/37/30.5	46/40.5/34	39.5/34.5/25.5	43.5/37.5/30.5	46/40.5/34	46/40.5/34	
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285	1040x220x327	805x194x285	805x194x285	1040x220x327	805x194x285	
	Packing (W*D*H)	mm	870x270x365	870x270x365	1035x295x385	1120x405x315	870x270x365	870x270x365	1035x295x385	
	Net/Gross weight	kg	7.7/9.8	7.7/9.8	10.4/13.3	12.3/15.6	7.7/9.8	7.7/9.8	10.4/13.3	
	Model		ZKFN-20-8-1	ZKFN-20-8-1	YKT-48-6-214-1	ZKFN-56-8-1	ZKFN-20-8-1	ZKFN-20-8-1	YKT-48-6-214-1	ZKFN-56-8-1
Outdoor fan motor	Input	W	/	/	/	/	/	/	/	
	Capacitor	uF	/	/	2.5	/	/	2.5	/	
	Speed	r/min	850/600	850/600	810	900/700/600	800/600	800/600	810	
	a.Number of rows	1	1	2	2	1	1	2	2	
Outdoor coil	b.Tube pitch(a)x row pitch(b)	mm	19.5x11.6	19.5x11.6	19.5x11.6	19.5x11.6	21x13.37	21x13.37	21x13.37	
	c.Fin spacing	mm	1.2	1.2	1.2	1.2	1.4	1.4	1.3	
	d.Fin type (code)		Unhydrophilic aluminum	Unhydrophilic aluminum	Unhydrophilic aluminum	Unhydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	
	e.Tube outside dia and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ7,Inner groove tube	Φ5,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	
	f.Coil length x height x width	mm	740x468x11.6	740x468x11.6	760x507x11.6+742x507x11.6	875x507x23.2	750x462x13.37	750x462x13.37	755*504*13.37*735*504*13.37	
	g.Number of circuits	2	2	2	2	2	2	2	2	
	Outdoor air flow	m3/h	1800	1800	2100	2500	1800	1800	2100	
Outdoor noise level	dB(A)	55	55	56.5	56.5	52.5	58	55.5		
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	805x330x554	720x270x495	765x303x555	805x330x554	
	Packing (W*D*H)	mm	835x300x540	835x300x540	887x337x610	915x370x615	835x300x540	887x337x610	915x370x615	
	Net/Gross weight	kg	22.3/24	21.1/22.8	26.5/28.9	30.1/32.6	23.3/25.1	22.6/24.1	33.6/36.2	
	Refrigerant type	kg	R410A/0.51	R410A/0.51	R410A/0.82	R410A/1.06	R410A/0.7	R410A/0.7	R410A/1.3	R410A/1.6
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)	
	Max. refrigerant pipe length	m	25	25	30	30	25	30	30	
	Max. difference in level	m	10	10	20	20	10	20	20	
Connection wiring		16#x4//	16#x4//	16#x4//	16#x4//	16#x4//	16#x4//	16#x4//	16#x4//	
Plug type		/lnc-plug	/lnc-plug	/lnc-plug	/lnc-plug	/lnc-plug	/lnc-plug	/lnc-plug	/lnc-plug	
Thermostat type		遥控器(Remote Control)	遥控器(Remote Control)	遥控器(Remote Control)	遥控器(Remote Control)	遥控器(Remote Control)	遥控器(Remote Control)	遥控器(Remote Control)	遥控器(Remote Control)	
Operation temperature	Indoor(cooling/heating)	℃	17~30	17~30	17~30	17~30	17~30	17~30	17~30	
	Outdoor(cooling/heating)	℃	17~32//	17~32//	17~32//	17~32//	17~32/0~30	17~32/0~30	17~32/0~30	
	Application area (Cooling Standard)	m²	0~50//	0~50//	0~50//	0~50//	0~50/15~30	0~50/15~30	0~50/15~30	
Qty per 20' /40' /40'HQ		132/274/305	132/274/305	90/190/222	83/169/199	132/268/297	132/268/297	90/190/222	83/169/199	