

code			22022010009995	22022010009992	22022010009993	22022010009994
Indoor code			22022011011558 / MB-09N8D6-I	22022011010638	22022011010639	22022011010640
outdoor code			22022016009600	22022016009599	22022016010359	22022016010360
Model			MB-09N8D6-SP	MB-12N8D6-SP	MB-18N8D0-SP	MB-24N8D0-SP
Indoor			MB-09N8D6-I	MB-12N8D6-I	MB-18N8D0-I	MB-24N8D0-I
Outdoor			MBT-09N8D6-O	MBT-12N8D6-O	MB-18N8D0-O	MB-24N8D0-O
Power supply		Ph-V-Hz	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph
Rated Cooling	Capacity	Btu/h	9000(3500-11000)	12000(4700-14700)	18000(6700-21200)	24000(7200-28800)
Cooling Power input		W	686 (80-1100)	965(120-1650)	1496(150-2220)	2205(390-2890)
Cooling Current		A	2.98 (0.35-4.78)	4.19(0.5-7.2)	7.1(0.7-9.7)	9.58(1.7-12.6)
Rated Heating	Capacity	Btu/h	10000(2800-11500)	13000(3650-14950)	19000(4700-23800)	26000(5300-32200)
Heating Power input		W	652 (70-990)	953(110-1480)	1384(220-2330)	2029(240-3150)
Heating Current		A	2.83 (0.32-4.32)	4.19(0.5-6.4)	6.5(1.0-10.1)	8.82(1.0-17)
Seasonal Cooling	Pdesignc	kW	2,6	3,5	5,3	7,0
	SEER	W/W	8,3	7,5	7,3	6,8
	Energy Efficiency Class		A++	A++	A++	A++
Heating(Average)	Pdesignh	kW	2,3	2,3	4,0	5,6
	SCOP	W/W	4,6	4,6	4,0	4,0
	Energy Efficiency Class		A++	A++	A+	A+
	Tbiv	°C	-7	-7	-7	-7
Heating(Warmer)	Pdesignh	kW	3,0	3,2	5,2	5,7
	SCOP	W/W	5,6	5,6	5,1	5,4
	Energy Efficiency Class		A+++	A+++	A+++	A+++
	Tbiv	°C	2	2	2	2
Heating(Colder)	Pdesignh	kW	4,2	4,7	6,0	9,0
	SCOP	W/W	3,5	3,4	3,3	3,7
	Energy Efficiency Class		A	A	B	A
	Tbiv	°C	-15	-15	-10	-10
Tol		°C	-15	-15	-15	-15
Moisture Removal		L/h	/	/	/	/
Max. input consumption		W	2075	2250	3450	3910
Max. current		A	9	10	15	16
Starting current		A	----	----	----	----
Compressor	Model		KSN98D22UFZ	KSN98D22UFZ	KSM135D23UFZ	KTF235D22UMT
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	Btu/h	10560	10560	14433	26100
	Input	W	790	790	1080	2065
	Rated current(RLA)	A	5.30	5.30	7.10	9.4
	Locked rotor Amp(LRA)	A	----	----	----	----
	Thermal protector		----	----	----	----
	Thermal protector position		INTERNAL	INTERNAL	----	----
	Capacitor	uF	----	----	----	----
Refrigerant oil/oil charge	ml	ESTER OIL RB74AF/370	ESTER OIL RB74AF/370	VG74 /450	ESTEL OIL RB74AF/670	
Indoor fan motor	Model		ZKFP-20-8-6	ZKFP-20-8-6-7	ZKFP-30-8-3	ZKFP-58-8-1
	Output	W	50	50	36	58(Output)
	Capacitor	uF	--	--	--	--

	Speed(Hi/Mi/Lo)	r/min	1200/900/650	1250/900/650	1100/800/700	1250/900/750
Indoor coil	a.Number of rows		2	2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3	1.2	1.3
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
	f.Coil length x height x width	mm	605x294x26.74	605x294x26.74	750x336x26.74	820x336x26.74
	g.Number of circuits		2	2	4	4
Indoor air flow (Hi/Mi/Lo)		m3/h	440/370/240	500/440/270	750/590/500	1050/700/550
Indoor sound pressure level (Hi/Mi/Lo/SL)		dB(A)	39/31.5/24	40/32/24	42/33/24/22	47.5/36.8/26/21
Indoor sound power level (Hi)		dB(A)	55	56	58	61
Indoor unit	Dimension(W*D*H)	mm	730x198x293	810x200x300	980x225x325	1090x235x338
	Packing (W*D*H)	mm	810x285x375	890x285x385	1055x305x405	1165x420x315
	Net/Gross weight	Kg	7.4/9.8	8.3/11.2	10.7/14.3	13/16.7
Outdoor fan motor	Model		ZKFN-40-8-1L	ZKFN-40-8-1L	ZKFN-40-8-1L	ZKFN-50-8-2
	Output	W	63	63	63	115
	Capacitor	uF	--	--	--	--
	Speed	r/min	800/750/650	800/750/650	800/700/650	850/700/500
Outdoor coil	a.Number of rows		1	1	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	25.4x22	25.4x22
	c.Fin spacing	mm	1.2	1.2	1.4	1.4
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ9.52,innergroove tube	Φ9.52,Innergroove tube
	f.Coil length x height x width	mm	870x504x13.37	870x504x13.37	860x508x44	730x660.4x44
	g.Number of circuits		2	2	4	4
Outdoor air flow		m3/h	1980	1980	2100	3300
Outdoor sound pressure level		dB(A)	56	60	59	61
Outdoor sound power level		dB(A)	61	62	63	66
Outdoor unit	Dimension(W*D*H)	mm	800x333x554	800x333x554	800x333x554	845x363x702
	Packing (W*D*H)	mm	920x390x615	920x390x615	920x390x615	965x395x765
	Net/Gross weight	Kg	28.5/31.4	28.5/31.4	36.9/39.6	49.7/51.2
Refrigerant	Type		R32	R32	R32	R32
	GWP		675	675	675	675
	Charged quantity	Kg	0.65	0.65	1.25	1.6
Design pressure		MPa	4.3/1.7	4.3/1.7	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")	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. difference in level	m	10	10	20	25
Connection wiring			5*1.5(Optional)	5*1.5(Optional)	5*1.5(Optional)	3*2.5(Optional)
Plug type			--	--	--	--
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	Indoor(cooling/ heating)	℃	16~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30
	Outdoor(cooling/heating)	℃	-15~50/-25~30	-15~50/-25~30	-15~50/-25~30	-15~50/-25~30
Application area	minimum	m2	12	16	24	32
	maximum	m2	18	23	35	47
Qty'per 20' /40' /40'HQ			94/192/225	84/184/215	75/165/188	65/138/150