

<b>code</b>			22022010009995	22022010009992	22022010009993
<b>Indoor code</b>			<b>22022011011558 / MB-09N8D6-I</b>	22022011010638	22022011010639
<b>outdoor code</b>			22022016009600	22022016009599	22022016010359
<b>Model</b>			MB-09N8D6-SP	MB-12N8D6-SP	MB-18N8D0-SP
<b>Indoor</b>			MB-09N8D6-I	MB-12N8D6-I	MB-18N8D0-I
<b>Outdoor</b>			MBT-09N8D6-O	MBT-12N8D6-O	MB-18N8D0-O
Power supply		Ph-V-Hz	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)
Cooling Power input		W	686 (80-1100)	965(120-1650)	1496(150-2220)
Cooling Current		A	2.98 (0.35-4.78)	4.19(0.5-7.2)	7.1(0.7-9.7)
Rated Heating	Capacity	Btu/h	10000(2800-11500)	13000(3650-14950)	19000(4700-23800)
Heating Power input		W	652 (70-990)	953(110-1480)	1384(220-2330)
Heating Current		A	2.83 (0.32-4.32)	4.19(0.5-6.4)	6.5(1.0-10.1)
Seasonal Cooling	Pdesignc	kW	2,6	3,5	5,3
	SEER	W/W	8,3	7,5	7,3
	Energy Efficiency Class		A++	A++	A++
Heating(Average )	Pdesignh	kW	2.3	2.3	4,0
	SCOP	W/W	4,6	4,6	4,0
	Energy Efficiency Class		A++	A++	A+
	Tbiv	°C	-7	-7	-7
Heating(Warmer )	Pdesignh	kW	3.0	3,2	5,2
	SCOP	W/W	5.6	5.6	5.1
	Energy Efficiency Class		A+++	A+++	A+++
	Tbiv	°C	2	2	2
Heating(Colder)	Pdesignh	kW	4,2	4,7	6,0
	SCOP	W/W	3,5	3,4	3,3
	Energy Efficiency Class		A	A	B
	Tbiv	°C	-15	-15	-10
Tol		°C	-15	-15	-15
Moisture Removal		L/h	/	/	/
Max. input consumption		W	2075	2250	3450
Max. current		A	9	10	16
Starting current		A	----	----	----
Compressor	Model		KSN98D22UFZ	KSN98D22UFZ	KSM135D23UFZ
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	10560	10560	14433
	Input	W	790	790	1080
	Rated current(RLA)	A	5.30	5.30	7.10

	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
Indoor fan motor	Model		ZKFP-20-8-6	ZKFP-20-8-6-7	ZKFP-30-8-3
	Output	W	50	50	36
	Capacitor	uF	--	--	--
	Speed(Hi/Mi/Lo)	r/min	1200/900/650	1250/900/650	1100/800/700
Indoor coil	a.Number of rows		2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.3	1.3	1.2
	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	605x294x26.74	605x294x26.74	750x336x26.74
	g.Number of circuits		2	2	4
Indoor air flow (Hi/Mi/Lo)	m3/h	440/370/240	500/440/270	750/590/500	
Indoor sound pressure level (Hi/Mi/Lo/SL)	dB(A)	39/31.5/24	40/32/24	42/33/24/22	
Indoor sound power level (Hi)	dB(A)	55	56	58	
Indoor unit	Dimension(W*D*H)	mm	730x198x293	810x200x300	980x225x325
	Packing (W*D*H)	mm	810x285x375	890x285x385	1055x305x405
	Net/Gross weight	Kg	7.4/9.8	8.3/11.2	10.7/14.3
Outdoor fan motor	Model		ZKFN-40-8-1L	ZKFN-40-8-1L	ZKFN-40-8-1L
	Output	W	63	63	63
	Capacitor	uF	--	--	--
	Speed	r/min	800/750/650	800/750/650	800/700/650
Outdoor coil	a.Number of rows		1	1	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	25.4x22
	c.Fin spacing	mm	1.2	1.2	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	Φ9.52,innergroove tube
	f.Coil length x height x width	mm	870x504x13.37	870x504x13.37	860x508x44
	g.Number of circuits		2	2	4
Outdoor air flow	m3/h	1980	1980	2100	
Outdoor sound pressure level	dB(A)	56	60	59	
Outdoor sound power level	dB(A)	61	62	63	
Outdoor unit	Dimension(W*D*H)	mm	800x333x554	800x333x554	800x333x554
	Packing (W*D*H)	mm	920x390x615	920x390x615	920x390x615
	Net/Gross weight	Kg	28.5/31.4	28.5/31.4	36.9/39.6

Refrigerant	Type		R32	R32	R32
	GWP		675	675	675
	Charged quantity	Kg	0.65	0.65	1.25
Design pressure		MPa	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")
	Max. refrigerant pipe length	m	25	25	30
	Max. difference in level	m	10	10	20
Connection wiring			5*1.5(Optional)	5*1.5(Optional)	5*1.5(Optional)
Plug type			--	--	--
Thermostat type			Remote Control	Remote Control	Remote Control
Operation temperature	Indoor(cooling/ heating)	℃	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
Application area	minimum	m2	12	16	24
	maximum	m2	18	23	35
Qty/per 20' /40' /40'HQ			94/192/225	84/184/215	75/165/188

22022010009994
22022011010640
22022016010360
MB-24N8D0-SP
MB-24N8D0-I
MB-24N8D0-O
220-240V~ 50Hz, 1Ph
24000(7200-28800)
2205(390-2890)
9.58(1.7-12.6)
26000(5300-32200)
2029(240-3150)
8.82(1.0-17)
7,0
6,8
A++
5,6
4,0
A+
-7
5,7
5.4
A+++
2
9,0
3,7
A
-10
-15
/
3910
16
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KTF235D22UMT
ROTARY
GMCC
26100
2065
9.4

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ESTEL OIL RB74AF/670
ZKFP-58-8-1
58(Output)
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1250/900/750
2
21x13.37
1.3
Hydrophilic aluminium
Φ7,innergroove tube
820x336x26.74
4
1050/700/550
47.5/36.8/26/21
61
1090x235x338
1165x420x315
13/16.7
ZKFN-50-8-2
115
--
850/700/500
2
25.4x22
1.4
Hydrophilic aluminium
Φ9.52,Innergroove tube
730x660.4x44
4
3300
61
66
845x363x702
965x395x765
49.7/51.2

R32
675
1.6
4.3/1.7
$\Phi 9.52/\Phi 15.9(3/8''/5/8'' )$
50
25
3*2.5(Optional)
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Remote Control
16~32/0~30
-15~50/-25~30
32
47
65/138/150