

2. General Specifications

Indoor model			MCD1-24HRFNX-QRD0W(GA)	MCD1-36HRFN8-QRD0W(GA)
Outdoor model			MOX430-24HDN1-QW	MOD30U-36HDN1-RW(GA)
Power supply (Indoor)		V- Ph-Hz	220-240-1-50	220-240-1-50
Power Supply (Outdoor)		V-Ph-Hz	220-240-1-50	380-415-3-50
Rated Power Input		W	3700	5000
Rated Current		A	19	10
Indoor fan motor	Model		ZKFN-45-8-1	ZKFN-125-8-1
	Qty		1	1
	Insulation class		B(Dayang)/E(Tongda)	B
	IP rating		IP20	IP20
	Output	W	45	125
	Capacitor	uF	/	/
	Speed(Hi/Mi/Lo)	r/min	608/552/496	700/630/570
Indoor coil	Number of rows		2	3.0
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	2155x168x26.74	2135*252*40.11
	Number of circuits		4	10
Indoor air flow (Hi/Mi/Lo)		m3/h	1247/1118/992	1700/1530/1300
Indoor sound pressure level		dB(A)	45/43/40	49.5/47.0/44.5
Indoor unit	Dimension(WxDxH)(body)	mm	830x830x205	830x830x245
	Dimension(WxDxH)(panel)	mm	950x950x55	950x950x55
	Packing(WxDxH)(body)	mm	910x910x250	910x910x290
	Packing(WxDxH)(panel)	mm	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	kg	21.6/25.4	27.2/31.2
	Net/Gross weight(panel)	kg	6/9	6/9
Drainage water pipe diameter		mm	ODΦ25mm	ODΦ25mm
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Remote Control	Remote Control
Operation temperature		°C	16-30	16-30
Room temperature	Cooling	°C	16-32	16-32
	Heating	°C	0-30	0-30
Qty'per 20' /40' /40'HQ		Indoor unit	108/234/260	96/208/234
Compressor	Model		KTM240D57UMT	KTF250D22UMT
	Type		Twin-ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	W	7740	8095
	Input	W	2085	2200
	Rated current(RLA)	A	9.45	10
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 670	ESTER OIL VG74 670
Outdoor fan motor	Model		YKT-65-6-234-1	YKT-60-6-40-6
	Qty		1	1
	Insulation class		B	B
	IP rating		IP24	IPX4
	Output	W	65	60
	Capacitor	uF	5	5
	Capacitor class		S3	S3
	Speed	r/min	800/700/580	870/820

Outdoor coil	Number of rows		1.6	2
	Tube pitch(a)x row pitch(b)	mm	21x22	25.4x22
	Fin spacing	mm	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ9.52,Inner groove tube
	Coil length x height x width	mm	900x609x44	995x762x44
	Number of circuits		5	4
Outdoor air flow		m ³ /h	3500	5000
Outdoor sound pressure level		dB(A)	60	60.5
Throttle type			Throttle valve	Throttle valve
Outdoor unit	Dimension(W*D*H)	mm	890x342x673	946x410x810
	Packing (W*D*H)	mm	995x398x740	1090x500x885
	Net/Gross weight	kg	44/47.3	77.9/82.7
Refrigerant type		kg	R410A/1.9	R410A/3
Design pressure		MPa	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	25	30
	Max. difference in level	m	15	20
Ambient temperature	Cooling	°C	-15~50	-15~50
	Heating	°C	-15~24	-15~24
Qty'per 20' /40' /40'HQ		Outdoor unit	114/234/312	99/198/198

Notes:

1) Capacities are based on the following conditions:

Cooling(T1): - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB

-Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB

-Interconnecting Piping Length 5m

- Level Difference of Zero.

Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB

-Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB

- Interconnecting Piping Length 5 m

- Level Difference of Zero.

2) Capacities are Net Capacities.

3) Due to our policy of innovation some specifications may be changed without notification.

Indoor model			MCD1-48HRDN1-QRD0W(GA)	MCD1-55HRDN1-QW(GA)
Outdoor model			MOD30U-48HDN1-RW(GA)	MOE30U-55HDN1-RW(GA)
Power supply (Indoor)		V- Ph-Hz	220-240-1-50	220-240-1-50
Power Supply (Outdoor)		V-Ph-Hz	380-415-3-50	380-415-3-50
Rated Power Input		W	6700	7600
Rated Current		A	14	14
Indoor fan motor	Model		YKT-80-6-6	YKT-80-6-6
	Qty		1	1
	Insulation class		B	B
	IP rating		IP20	IP20
	Output	W	125	125
	Capacitor	uF	4.5	5
	Capacitor class			
	Speed(Hi/Mi/Lo)	r/min	800/750/670	760/690/610
Indoor coil	Number of rows		3,0	3,0
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37
	Fin spacing	mm	1,3	1,3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	2135*252*40.11	980*252*40.11+980*252*40.11
	Number of circuits		10	10
Indoor air flow (Hi/Mi/Lo)		m3/h	1950/1800/1600	2170/1950/1730
Indoor sound pressure level		dB(A)	53.5/51.5/48	54.5/52/49.5
Indoor unit	Dimension(WxDxH)(body)	mm	830x830x245	830x830x287
	Dimension(WxDxH)(panel)	mm	950x950x55	950x950x55
	Packing(WxDxH)(body)	mm	910x910x290	910x910x330
	Packing(WxDxH)(panel)	mm	1035x1035x90	1035x1035x90
	Net/Gross weight(body)	kg	28.8/32.3	30.7/34.8
	Net/Gross weight(panel)	kg	6/9	6/9
Drainage water pipe diameter		mm	ODΦ25mm	ODΦ25mm
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Remote Control	Remote Control
Operation temperature		°C	16~30	16~30
Room temperature	Cooling	°C	16~32	16~32
	Heating	°C	0~30	0~30
Qty/per 20' /40' /40'HQ		Indoor unit	96/208/234	84/182/208
Compressor	Model		KTF310D43UMT	KTQ420D1UMU
	Type		ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	W	10010	13700
	Input	W	2765	3700
	Rated current(RLA)	A	5.38	7.02
	Thermal protector		INT01L-4639	INT01L-4639
	Thermal protector position		EXTERNAL	EXTERNAL
	Refrigerant oil/oil charge	ml	VG74/1000	VG74/1400
Outdoor fan motor	Model		YKS-190-6-21L	YKT-90-6-10
	Qty		1	2
	Insulation class		B	B
	IP rating		IPX4	IPX4
	Output	W	190	90
	Capacitor	uF	10	5
	Capacitor class		P2	S3
	Speed	r/min	850	880/810

Outdoor coil	Number of rows		2,6	1,6
	Tube pitch(a)x row pitch(b)	mm	25,4x22	25,4x22
	Fin spacing	mm	1,5	1,4
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube
	Coil length x height x width	mm	995x762x22+960x762x22+580x762x22	990x1320x22+580x1320x22
	Number of circuits		6	8
Outdoor air flow		m3/h	5000	7650
Outdoor sound pressure level		dB(A)	63.5	64
Throttle type			Throttle valve	Throttle valve
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	952x415x1333
	Packing (W*D*H)	mm	1090x500x885	1095x495x1480
	Net/Gross weight	kg	86.7/91.4	107.1/121.3
Refrigerant type	Type	-	R410A/3.65	R410A/4
Design pressure		MPa	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	50	50
	Max. difference in level	m	30	30
Ambient temperature	Cooling	°C	-15~50	-15~50
	Heating	°C	-15~24	-15~24
Qty'per 20' /40' /40'HQ		Outdoor unit	44/96/138	22/48/48

Notes:

1) Capacities are based on the following conditions:

Cooling(T1): - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB
 -Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB -Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB
 -Interconnecting Piping Length 5m - Interconnecting Piping Length 5 m
 - Level Difference of Zero. - Level Difference of Zero.

2) Capacities are Net Capacities.

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