

1. Model Reference

Refer to the following table to determine the specific indoor and outdoor unit model number of your purchased equipment.

Indoor Unit Model	Outdoor Unit Model	Capacity (Btu/h)	Power Supply
MUE-18HRFNX-QRD0	MOB30U-18HFN8-QRD0	18K	1Φ, 220-240V~, 50Hz
MUE-24HRFNX-QRD0	MOCA30U-24HFN8-QRD0	24K	
MUE-30HRFNX-QRD0	MOD30U-30HFN8-QRD0	30K	
MUE-36HRFNX-QRD0	MOD30U-36HFN8-QRD0	36K	
MUE-42HRFNX-QRD0	MOD30U-42HFN8-QRD0	42K	
MUE-36HRFNX-QRD0	MOD30U-36HFN8-RRD0	36K	3Φ, 380-410V~, 50Hz
MUE-48HRFNX-QRD0	MOE30U-48HFN8-RRD0	48K	
MUE-55HRFNX-QRD0	MOE30U-55HFN8-RRD0	55K	

2. General Specifications

Indoor model			MUE-18HRFNX-QRD0	MUE-24HRFNX-QRD0	MUE-36HRFNX-QRD0
Outdoor model			MOB30U-18HFN8-QRD0	MOCA30U-24HFN8-QRD0	MOD30U-36HFN8-QRD0
Power supply (Indoor)	V- Ph-Hz		220~240-1-50	220~240-1-50	220~240-1-50
Power Supply (Outdoor)	V-Ph-Hz		220~240-1-50	220~240-1-50	220~240-1-50
Max. input consumption	W		2200	2950	4700
Max. current	A		10.0	13.5	21.5
Indoor fan motor	Model		ZKFN-55-8-1	ZKFN-55-8-1	ZKFN-90-8-1
	Qty		1	1	2
	Insulation class		E	E	E
	IP rating		IPX4	IPX4	IPX4
	Input	W	100.0	100.0	96.0
	Capacitor	uF	/	/	/
	Speed(Hi/Mi/Lo)	r/min	950/850/750	1200/1080/890	1200/1050/850
Indoor coil	Number of rows		3.0	3.0	3
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	795x294x40.11	795x294x40.11	1300x294x40.11
	Number of circuits		7	7	8
Indoor air flow (Hi/Mi/Lo)		m3/h	902/786/677	1208/1066/853	2160/1844/1431
Indoor sound pressure level		dB(A)	45/40/37	49/46/41	50/46/42
Indoor sound power level		dB(A)	56	61	61
Indoor unit	Dimension(W*D*H)	mm	1068x675x235	1068x675x235	1650x675x235
	Packing (W*D*H)	mm	1145x755x313	1145x755x313	1725x755x313
	Net/Gross weight	Kg	26.6/31.8	26.8/31.9	41.5/48
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe diameter		mm	ODΦ25mm	ODΦ25mm	ODΦ25mm
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Remote control	Remote control	Remote control
Operation temperature		°C	17-30	17-30	17-30
Room temperature	Cooling	°C	17~32	17~32	17~32
	Heating	°C	0~30	0~30	0~30
Qty'per 20' /40' /40'HQ		Indoor unit	102/220/252	102/220/252	72/147/167
Compressor	Model		KSM135D23UFZ	KTF235D22UMT	KTF310D43UMT
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	W	4230	7650	10010
	Input	W	1080	2065	2765
	Rated current(RLA)	A	7.1	9.4	5.38
	Refrigerant oil/oil charge	ml	VG74/450	RB74A F/670	VG74/1000
Outdoor fan motor	Model		ZKFN-40-8-1L	ZKFN-50-8-2	ZKFN-120-8-2
	Qty		1	1	1
	Insulation class		E	E	E
	IP rating		IPX4	IPX0	IPX4
	Output	W	63.0	115.0	150.0
	Capacitor	uF	/	/	/
	Speed	r/min	810	850	1050

Outdoor coil	Number of rows		2.0	2.0	2.0
	Tube pitch(a)x row pitch(b)	mm	25.4x22	25.4x22	25.4x22
	Fin spacing	mm	1.4	1.4	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube
	Coil length x height x width	mm	860x508x44	730x660x44	995x762x44
	Number of circuits		4	4	4
Outdoor air flow		m3/h	2100	2700	4000
Outdoor sound pressure level		dB(A)	55	59	63
Outdoor sound power level		dB(A)	63	65	67
Throttle type			EXV+Capillary	EXV+Capillary	EXV+Capillary
Outdoor unit	Dimension(W*D*H)	mm	800x333x554	845x363x702	946x410x810
	Packing (W*D*H)	mm	920x390x615	965x395x765	1090x500x875
	Net/Gross weight	Kg	35.6/38.5	49.4/52.8	66.8/73.4
Refrigerant type	Type	-	R32	R32	R32
	GWP	-	675	675	675
	Charged quantity	Kg	1.35	1.5	2.4
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/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	30	50	65
	Max. difference in level	m	20	25	30
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24
Qty'per 20' /40' /40'HQ		Outdoor unit	108/219/292	102/215/216	44/96/144

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			MUE-30HRFNX-QRD0	MUE-42HRFNX-QRD0
Outdoor model			MOD30U-30HFN8-QRD0	MOD30U-42HFN8-QRD0
Power supply (Indoor)		V- Ph-Hz	220~240-1-50	220~240-1-50
Power Supply (Outdoor)		V-Ph-Hz	220~240-1-50	220~240-1-50
Max. input consumption		W	3600	4800
Max. current		A	16.5	22.5
Indoor fan motor	Model		ZKFN-90-8-1	ZKFN-90-8-1
	Qty		2	2
	Insulation class		E	E
	IP rating		IPX4	IPX4
	Input	W	96.0	96.0
	Capacitor	uF	/	/
	Speed(Hi/Mi/Lo)	r/min	1200/1050/850	1300/1100/850
Indoor coil	Number of rows		3	3
	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	1300x294x40.11	1300x294x40.11
	Number of circuits		8	8
Indoor air flow (Hi/Mi/Lo)		m3/h	2160/1844/1431	2329/1930/1417
Indoor sound pressure level		dB(A)	50/46/42	54/50/46
Indoor sound power level		dB(A)	62	66
Indoor unit	Dimension(W*D*H)	mm	1650x675x235	1650x675x235
	Packing (W*D*H)	mm	1725x755x313	1725x755x313
	Net/Gross weight	Kg	41.5/48	41.2/47.6
Design pressure		MPa	4.2/1.5	4.2/1.5
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	17-30	17-30
Room temperature	Cooling	°C	17~32	17~32
	Heating	°C	0~30	0~30
Qty'per 20' /40' /40'HQ		Indoor unit	72/147/167	72/147/167
Compressor	Model		KTM240D57UMT	KTF310D43UMT
	Type		ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	W	7715	10010
	Input	W	2085	2765
	Rated current(RLA)	A	9	5.38
	Refrigerant oil/oil charge	ml	VG74/670	VG74/1000
Outdoor fan motor	Model		ZKFN-120-8-2	ZKFN-120-8-2
	Qty		1	1
	Insulation class		E	E
	IP rating		IPX4	IPX4
	Output	W	150.0	150.0
	Capacitor	uF	/	/
	Speed	r/min	1050/900/850	1050/900/850

Outdoor coil	Number of rows		1.6	2.6
	Tube pitch(a)x row pitch(b)	mm	25.4x22	25.4x22
	Fin spacing	mm	1.5	1.5
	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	1005x762x22+580x762x22	995x762x22+960x762x22+580x762x22
	Number of circuits		4	6
Outdoor air flow		m3/h	3800	3600
Outdoor sound pressure level		dB(A)	58.5	65
Outdoor sound power level		dB(A)	67	72
Throttle type			EXV+Capillary	EXV+Capillary
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	946x410x810
	Packing (W*D*H)	mm	1090x500x885	1090x500x885
	Net/Gross weight	Kg	56.9/61.8	73.9/78.9
Refrigerant type	Type	-	R32	R32
	GWP	-	675	675
	Charged quantity	Kg	2.0	2.8
Design pressure		MPa	4.3/1.7	4.3/1.7
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	65
	Max. difference in level	m	25	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	44/96/138

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.

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Indoor model			MUE-36HRFNX-QRD0	MUE-48HRFNX-QRD0	MUE-55HRFNX-QRD0
Outdoor model			MOD30U-36HFN8-RRD0	MOE30U-48HFN8-RRD0	MOE30U-55HFN8-RRD0
Power supply (Indoor)	V- Ph-Hz		220~240-1-50	220~240-1-50	220~240-1-50
Power Supply (Outdoor)	V-Ph-Hz		380~415-3-50	380~415-3-50	380~415-3-50
Max. input consumption	W		5600	6200	7500
Max. current	A		10.0	11.2	14
Indoor fan motor	Model		ZKFN-90-8-1	ZKFN-90-8-1	ZKFN-160-8-1-2
	Qty		2	2	2
	Insulation class		E	E	E
	IP rating		IPX4	IPX4	IPX0
	Input	W	96.0	96.0	90.0
	Capacitor	uF	/	/	/
	Speed(Hi/Mi/Lo)	r/min	1200/1050/850	1300/1100/850	1350/1050/850
Indoor coil	Number of rows		3	3	3
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	1300x294x40.11	1300x294x40.11	1300x294x40.11
	Number of circuits		8	8	8
Indoor air flow (Hi/Mi/Lo)		m3/h	2160/1844/1431	2329/1930/1417	2454/1834/1426
Indoor sound pressure level		dB(A)	50/46/40	54/50/46	54/47/42
Indoor sound power level		dB(A)	59	66	69
Indoor unit	Dimension(W*D*H)	mm	1650x675x235	1650x675x235	1650x675x235
	Packing (W*D*H)	mm	1725x755x313	1725x755x313	1725x755x313
	Net/Gross weight	Kg	41.5/48	41.2/47.6	41.4/47.8
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe diameter		mm	ODΦ25mm	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")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Remote control	Remote control	Remote control
Operation temperature		°C	17-30	17-30	17-30
Room temperature	Cooling	°C	17~32	17~32	17~32
	Heating	°C	0~30	0~30	0~30
Qty'per 20' /40' /40'HQ		Indoor unit	72/147/167	72/147/167	72/147/167
Compressor	Model		KTF310D43UMT	KTQ420D1UMU	KTQ420D1UMU
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	W	10010	13700	13700
	Input	W	2765	3700	3700
	Rated current(RLA)	A	5.38	7.02	7.02
	Refrigerant oil/oil charge	ml	VG74/1000	VG74/1400	VG74/1400
Outdoor fan motor	Model		ZKFN-120-8-2	ZKFN-85-8-22	ZKFN-85-8-22-2
	Qty		1	2	2
	Insulation class		E	E	E
	IP rating		IPX4	IPX4	IPX4
	Output	W	150.0	126.0	126.0
	Capacitor	uF	/	/	/
	Speed	r/min	1050	850	850

Outdoor coil	Number of rows		2.0	1.6	2.0
	Tube pitch(a)x row pitch(b)	mm	25.4x22	25.4x22	25.4x22
	Fin spacing	mm	1.3	1.4	1.4
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube	Φ9.52,Inner groove tube
	Coil length x height x width	mm	995x762x44	990x1270x22+500x1270x22	990x1270x44
	Number of circuits		4	8	8
Outdoor air flow		m ³ /h	4000	7500	7500
Outdoor sound pressure level		dB(A)	61	66	65
Outdoor sound power level		dB(A)	66	72	74
Throttle type			EXV+Capillary	EXV+Capillary	EXV+Capillary
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	952x415x1333	952x415x1333
	Packing (W*D*H)	mm	1090x500x875	1095x495x1480	1095x495x1480
	Net/Gross weight	Kg	81.5/87.0	106.7/119.9	111.3/124.3
Refrigerant type	Type	-	R32	R32	R32
	GWP	-	675	675	675
	Charged quantity	Kg	2.4	2.8	2.95
Design pressure		MPa	4.2/1.5	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")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	65	65	65
	Max. difference in level	m	30	30	30
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24
Qty'per 20' /40' /40'HQ		Outdoor unit	44/96/144	22/48/48	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

-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.

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