

# FREE MATCH MULTI SERIES



## FLEXIBLE INSTALLATION

One outdoor unit can be connected with up to 5 indoor units. Each indoor unit can be individually controlled. Indoor units do not need to be installed at the same time, which enables system expansion depending on the user's needs.



4.1kW & 5.3kW



6.15kW & 7.9kW



8.2kW, 10.6kW & 12.3kW

## DEDICATED INDOOR UNITS

The Free Match range is the ideal solution for efficient 2, 3, 4 or 5-zone air conditioning with a single outdoor unit. On a single system it is possible to connect a range of different indoors with varying capacities. All indoor units can be individually controlled and pipe lengths of up to 80 meters can be accommodated.



# FREE MATCH OUTDOOR UNITS

	M2D0-14HFN8-Q*	M2D0-18HFN8-Q	M2D0-21HFN8-Q*	M2D0-22HFN8-Q	M2D0-28HFN8-Q*	M2D0-36FN8-Q	M2D0-49FN8-Q
Nominal Cooling Capacity (min-max)	4.10 (1.39 - 4.83)	5.3 (1.4 - 6.34)	6.15 (2.142 - 6.85)	7.9 (1.58 - 8.69)	8.20 (2.84 - 9.67)	10.6 (1.59 - 13.78)	12.3 (1.66 - 14)
Nominal Heating Capacity (min-max)	4.40 (1.05 - 4.98)	5.6 (1.54 - 6.66)	6.59 (1.80 - 7.74)	8.2 (1.58 - 8.69)	8.79 (2.28 - 11.43)	11.1 (1.8 - 14.4)	12.3 (1.66 - 14.94)
Outdoor air flow	2200	2200	3000	2700	3800	4000	3850
Outdoor sound pressure level	53	53	55	56	59	60	58
Seasonal Efficiency-SEER/Class	6.1/A+	6.1/A+	6.1/A+	6.1/A++	6.1/A++	6.1/A++	5.8/A+
Seasonal Efficiency-SCOP/Class	3.8/A	3.8/A	3.8/A	4/A+	3.8/A	3.8/A	3.5/A
Power supply (Outdoor)	220-240V~50Hz, 1Ph	220-240V~50Hz, 1Ph	220-240V~50Hz, 1Ph	220-240V~50Hz, 1Ph	220-240V~50Hz, 1Ph	220-240V~50Hz, 1Ph	220-240V~50Hz, 1Ph
Cooling Current (min-max)	6.4 (1.7-8.0)	7.1 (2.2-8.9)	8.5 (1.8-9.65)	14.5 (4.3-14.9)	12.7 (3.9-15.6)	16.8 (5.9-18.9)	19.6 (6.8-20.3)
Heating Current (min-max)	5.5 (2.1-8.2)	13.0 (3.15-7.8)	8.1 (2.7-10)	11.7 (4.5-12.5)	13.2 (4.4-14.4)	15 (4.3-16.2)	14.7 (5.2-18.4)
Max. Current	11.5	13	15.5	17.5	19	21.5	22
Recommended Fuse Size (Outdoor)	A	16	16	20	20	25	25
Dimension (WxDxH)	800x333x554	800x333x554	845x353x702	845x353x702	946x410x810	946x410x810	946x410x810
Packing (WxDxH)	920x390x615	920x390x615	965x395x775	965x395x775	1090x500x875	1090x500x875	1090x500x875
Net/Gross weight	31.8/34.9	35.5/38.5	46.8/51.1	51.1/55.8	62.1/67.7	68.8/75.6	73.3/80.4
Refrigerant	Type	R32	R32	R32	R32	R32	R32
	GWP	675	675	675	675	675	675
Charged quantity	kg	1.1	1.25	1.4	1.72	2.1	2.4
	g/m	12	12	12	12	12	12
Additional Charge	mm(inch)	6.35 & 9.52 (x2) (1/4" & 3/8" (x2))	6.35 & 9.52 (x2) (1/4" & 3/8" (x2))	6.35 & 9.52 (x3) (1/4" & 3/8" (x3))	6.35 & 9.52 (x3) (1/4" & 3/8" (x3))	6.35 (x3) & 9.52 (x3) & 12.7 (x1)	6.35 (x3) & 9.52 (x3) & 12.7 (x1)
	m	40	40	60	60	80	80
Refrigerant piping	Max. pipe length (All)	25	25	30	30	35	35
	Max. pipe length (Per indoor)	15	15	15	15	15	15
	Max. height between indoors	10	10	10	10	10	10
Thermostat type	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Outdoor (Cooling/Heating)	°C	-15~50/-15~24	-15~50/-15~24	-15~50/-15~24	-15~50/-15~24	-15~50/-15~24	-15~50/-15~24

Nominal Conditions: Cooling: indoor 27°C DB, 19°C WB, outdoor 35°C DB, 24°C WB, Nominal Conditions: Heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB.

UK Conditions: Summer: indoor 21°C DB, 15°C WB, outdoor 27°C DB, Sound Pressure is measured 1.5m below the air-outlet at Nominal Conditions.

\*New model available April 2020

SEE QUICK REFERENCE GUIDE FOR REFRIGERANT CONTRIBUTIONS

# FREE MATCH INDOOR UNITS



Voice Control Midea Air App

## HIGH WALL

INDOOR		MA-09NXD0-XI	MA-12NXD0-XI	MA-18NXD0-I	MA-24NXD0-I
Nominal Cooling Capacity (min-max)	kW	2.6 (1.02 - 3.22)	3.5(1.08 - 4.10)	5.3 (1.91 - 6.14)	7.0 (2.65 - 8.25)
Nominal Heating Capacity (min-max)	kW	3.0 (0.82 - 3.37)	4.0 (1.08 - 4.22)	5.7 (1.4 - 6.91)	7.6 (2.91 - 8.53)
UK Total Cooling Capacity	kW	3.06	3.94	5.91	7.4
Interconnecting Wiring	No.	4 Core 1.5mm	4 Core 1.5mm	4 Core 1.5mm	4 Core 1.5mm
Power Supply	V-Hz-Ph	Via Outdoor	Via Outdoor	Via Outdoor	Via Outdoor
Indoor air flow (Hi/Mi/Lo)	m3/h	520/460/340	600/500/380	860/690/560	1050/860/700
Indoor sound pressure level (Hi/Mi/ Lo/Si)	dB(A)	36/30/26/21	38/34/28/22	43/36/30/22	47/40/33/22
Dimension (WxDxH)	mm	805x205x285	805x205x285	958x223x302	1038x235x325
Packing (WxDxH)	mm	870x285x360	870x285x360	1035x305x380	1120x405x330
Net/Gross weight	Kg	7.9/10.3	7.9/10.3	10.3/13.3	12.8/16.2
Thermostat type		Remote Control	Remote Control	Remote Control	Remote Control
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")
Indoor (Cooling/Heating)	°C	16~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30

## COMPACT CASSETTE

INDOOR		MTIU-09FNXD0	MTIU-12FNXD0	MTIU-18FNXD0
Nominal Cooling Capacity (min-max)	kW	2.6 (1.03 - 3.2)	3.51(1.49~4.75)	5.28 (2.55~6.15)
Nominal Heating Capacity (min-max)	kW	3.0 (0.82 - 3.4)	4.10(0.97~5.63)	5.57(2.20~7.03)
UK Total Cooling Capacity	kW	3.06	4.17	5.77
Power Supply	V-Hz-Ph	Via Outdoor	Via Outdoor	Via Outdoor
Interconnecting Wiring	No.	4 Core 1.5mm	4 Core 1.5mm	4 Core 1.5mm
Indoor air flow (Hi/Mi/Lo)	m3/h	500/340/230	600/480/300	880/650/350
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	32/28/26	35/31/26	40/36/33
Dimension (WxDxH)	mm	700x450x200	700x450x200	880x674x210
Packing (WxDxH)	mm	860x540x285	860x540x285	1070x725x280
Net/Gross weight	Kg	18/22	18/22	24.3/29.6
Thermostat type		Remote Control	Remote Control	Remote Control
Refrigerant piping	Refrigerant	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")
Indoor (Cooling/Heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30

## DUCTED

INDOOR		MCA3I-09FNXD0*	MCA3U-12FNXD0	MCA3U-18FNXC8*
Nominal Cooling Capacity (min-max)	kW	2.6 (1.03 - 3.2)	3.52(1.52~5.28)	5.28 (5.74~6.15)
Nominal Heating Capacity (min-max)	kW	3.0 (0.82 - 3.4)	4.4 (1.03~5.57)	5.42 (2.37~7.03)
UK Total Cooling Capacity	kW	3.06	4.17	5.77
Power Supply	V-Hz-Ph	Via Outdoor	Via Outdoor	Via Outdoor
Interconnecting Wiring	No.	4 Core 1.5mm	4 Core 1.5mm	4 Core 1.5mm
Indoor air flow (Hi/Mi/Lo)	m3/h	580/500/450	617/504/415	680/560/500
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	35/33/31	37/34/31	44/38/33
Dimension (WxDxH) (body)	mm	570x570x260	570x570x260	570x570x260
Packing (WxDxH) (body)	mm	662x662x317	662x662x317	662x662x317
Net/Gross weight (body)	Kg	14.5/17.3	16.2/21.4	16.2/21.4
Dimension (WxDxH) (panel)	mm	647x647x50	647x647x50	647x647x50
Packing (WxDxH) (panel)	mm	715x715x123	715x715x123	715x715x123
Net/Gross weight (panel)	Kg	2.5/4.5	2.5/4.5	2.5/4.5
Thermostat type		Remote Control	Remote Control	Remote Control
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")
Indoor (Cooling/Heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30

\*New model available April 2020

# FREE MATCH INDOOR UNITS

## FLOOR MOUNTED

INDOOR		MFAU-12FNXD0	MFAU-16FNXD0*
Nominal Cooling Capacity (min-max)	kW	3.5(1.08 - 4.1)	4.83(2.63 - 4.98)
Nominal Heating Capacity (min-max)	kW	4.0 (0.88 - 4.2)	4.98 (2.19 - 5.74)
UK Total Cooling Capacity	kW	3.85	4.71
Power Supply	V-Hz-Ph	Via Outdoor	Via Outdoor
Interconnecting Wiring	No.	4 Core 1.5mm	4 Core 1.5mm
Indoor air flow (Hi/Mi/Lo)	m3/h	550/470/360	560/480/400
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	47/41/35	43/39/35
Dimension (WxDxH)	mm	700x210x600	700x210x600
Packing (WxDxH)	mm	810x305x710	810x305x710
Net/Gross weight	Kg	15 / 20	14.8/19.1
Thermostat type		Remote Control	Remote Control
Refrigerant piping	Refrigerant	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")
Indoor (Cooling/Heating)	°C	17~32/0~30	17~32/0~30

# COMBINATION TABLES

### M20G-14HFN8-Q

One Unit	Two Unit
9	9+9
12	9+12
18	

### M20D-18HFN8-Q

One Unit	Two Unit
9	9+9
12	9+12
18	12+12

### M30F-21HFN8-Q

One Unit	Two Unit	Three Unit
9	9+9	9+9+9
12	9+12	
18	9+18	
	12+12	

### M30F-27HFN8-Q

One Unit	Two Unit	Three Unit
9	9+9	9+9+9
12	9+12	9+9+12
18	9+18	9+12+12
	12+12	12+12+12
	12+18	

### M30F-28HFN8-Q

One Unit	Two Unit	Three Unit	Four Unit
9	9+9	9+9+9	9+9+9+9
12	9+12	9+9+12	
18	9+18	9+9+18	
24	9+24	9+12+12	
	12+12	12+12+12	
	12+18		
	12+24		
	18+18		

### M40-36FN8-Q

One Unit	Two Unit	Three Unit	Four Unit
9	9+9	12+12	9+9+9
12	9+12	12+18	9+12+24
18	9+18	12+24	9+18+18
24	9+24	18+18	9+9+18
			9+12+12
			9+9+12+18
			9+12+18

### M50-42FN8-Q

One Unit	Two Unit	Three Unit	Four Unit	Five Unit
9	9+9	12+12	9+9+9	9+9+9+9
12	9+12	12+18	9+9+12	9+12+12+12
18	9+18	12+24	9+9+18	9+12+18
24	9+24	18+18	9+9+24	9+9+12+12
			9+12+12	12+18+18
			9+9+12+12	12+12+12+18
			9+12+24	12+12+24
			9+9+12+18	