

MFM Multisplit system heat pumps MultiSplit System with powers from 5 to 8 kW with Inverter

R410A

INVERTER
TECHNOLOGY



MFM_F



MFM_W
Remote control



MFM_C



MFM_D



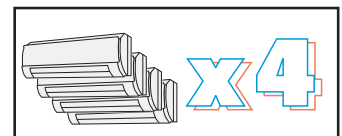
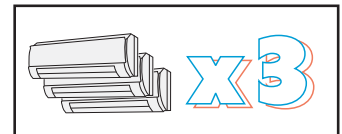
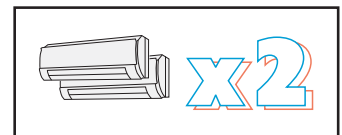
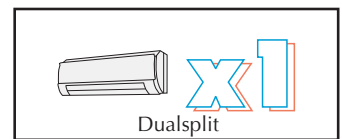
Wired control panel




Remote control



MFM



 = MFM_W
MFM_C
MFM_D
MFM_F

Features

Dualsplit:

- MFM52, MFM62 and MFM72 outdoor units that can be coupled to 1 or 2 indoor unit.

Tri-split:

- MFM73 outdoor unit can be coupled to 2 or 3 indoor units.

Quadri-split

- MFM84 outdoor unit can be coupled to 2, 3 or 4 indoor units

Indoor units selected from:

• Wall

with remote control:
MFM 020W - 025W - 035W - 050W

• Cassette

with remote control and wired control panel:
MFM 035C - 050C
(coupling with the MFMGL40S accessory is mandatory)

• Floor Ceiling

with remote control and wired control panel:
MFM 025F - 035F - 050F

• Ducted

with remote control and wired control panel:
MFM 025D - 035D - 050D

- R410A refrigerant gas
- Inverter device for large energy saving and optimisation of environment conditions
- Indoor unit with 3 speed fan
- Multi-speed single-fan external units
- Variable speed rotary compressor
- Air flow louvered fins with horizontal adjustment facility (MFM_W, MFM_C, MFM_F)
- Powered deflector louvers for vertical adjustment of outlet air flow direction (MFM_W, MFM_C, MFM_F)
- Silent functioning
- Infrared ray remote control with liquid crystal display wired control panel for checking all functions
- Wired control panel with liquid crystal display for checking all functions (MFM_C, MFM_D, MFM_F)
- Microprocessor control
- Possibility to set the room temperature probe in intake of the indoor unit or in the wired control panel (MFM_C, MFM_D, MFM_F)
- Timer for programming switch-off or switch-on

- Cooling, heating, dehumidifying, fan only automatic functioning programs (heating/cooling)
- Self-diagnostics function
- Air filter with easy extraction and cleaning
- Efficient defrosting control
- Standard supply condensate drain pump in the MFM_C version
- Refrigerant lines with flared connections
- Systems with multi-line refrigerant connections, where every indoor unit is connected to the outdoor unit via dedicated refrigerant lines
- Total length of the refrigerant lines: up to 20m for the outdoor units MFM52, MFM62 and MFM72 up to 70m for outdoor units MFM73 and MFM84

Accessories

- **MFMGL40S:** Air flow and recovery grid. The flow louvers are powered. Equipped with infrared receiver and emergency functioning key. It is a mandatory accessory as the MFM_C units are delivered without.

Mod.	MFM035C	MFM050C
MFMGL40S	✓	✓

Allowed combinations of indoor units

Dualsplit: the installation of 1 or 2 indoor units is possible
Indoor units MFM_C - MFM_D - MFM_F - MFM_W:

Dualsplit MFM 52 Outdoor unit

020
025
020 + 020
020 + 025
025 + 025

Dualsplit MFM 62 Outdoor unit

020
025
035
020 + 020
020 + 025
020 + 035
025 + 025
025 + 035

Dualsplit MFM 72 Outdoor unit

020
025
035
020 + 020
020 + 025
020 + 035
025 + 025
025 + 035
035 + 035

Trialsplit: it is mandatory to install at least 2 indoor units for correct system functioning
Indoor units MFM_C - MFM_D - MFM_F - MFM_W:

Trialsplit MFM 73 Outdoor unit

020 + 020	025 + 025	020 + 020 + 020	020 + 025 + 025	025 + 025 + 025
020 + 025	025 + 035	020 + 020 + 025	020 + 025 + 035	025 + 025 + 035
020 + 035	025 + 050	020 + 020 + 035	020 + 025 + 050	025 + 025 + 050
020 + 050	035 + 035	020 + 020 + 050	020 + 035 + 035	025 + 035 + 035
	035 + 050		020 + 035 + 050	025 + 035 + 050
				035 + 035 + 050

Quadrisplit: it is mandatory to install at least 2 indoor units for correct system functioning
Indoor units MFM_C - MFM_D - MFM_F - MFM_W:

Quadrisplit MFM 84 Outdoor unit

020 + 020	020 + 020 + 020	025 + 025 + 025	020 + 020 + 020 + 020	020 + 025 + 025 + 025
020 + 025	020 + 020 + 025	025 + 025 + 035	020 + 020 + 020 + 025	020 + 025 + 025 + 035
020 + 035	020 + 020 + 035	025 + 025 + 050	020 + 020 + 020 + 035	020 + 025 + 025 + 050
020 + 050	020 + 020 + 050	025 + 035 + 035	020 + 020 + 020 + 050	020 + 025 + 035 + 035
025 + 025	020 + 025 + 025	025 + 035 + 050	020 + 020 + 025 + 025	025 + 025 + 025 + 025
025 + 035	020 + 025 + 035	035 + 035 + 050	020 + 020 + 025 + 035	025 + 025 + 025 + 035
025 + 050	020 + 025 + 050		020 + 020 + 025 + 050	
035 + 035	020 + 035 + 035		020 + 020 + 035 + 035	
035 + 050	020 + 035 + 050		020 + 020 + 035 + 050	

Technical data

Outdoor units	MFM	52	62	72	73	84
Indoor units, reference combinations	MFM	025+025	025+035	035+035	020+025+025	020+020+025+025
Cooling capacity (nominal)	W	5000	6000	7050	7100	8000
Cooling capacity (min-max)	W	3300-6700	3300-7800	3300-8200	3300-9400	3300-9600
Total input power (nominal)	W	1560	1800	2200	2200	2480
Total input power (min-max)	W	1000-2600	1000-3300	1000-3800	1000-4550	1000-4650
EER ***	W/W	3,21	3,33	3,21	3,23	3,23
Energy efficient class		A	A	A	A	A
Heating capacity (nominal)	W	6200	7500	8000	8500	9300
Heating capacity (min-max)	W	2550-8600	2550-9000	3000-9600	3100-11000	3300-11000
Input power (nominal)	W	1820	2200	2350	2350	2550
Input power (min-max)	W	900-2950	900-3300	900-3500	850-4000	900-3800
COP ***	W/W	3,41	3,41	3,41	3,62	3,65
Energy efficient class		B	B	B	A	A
Maximum input power (total)	W	2950	3300	3800	4650	4700
Compressor		Rotary	Rotary	Rotary	Rotary	Rotary
Lines max length (total)	m	20	20	20	70	70
Max level difference (Indoor - outdoor unit)	m	5	5	5	10	10
Fans	n.	1	1	1	1	1
Sound Pressure	dB (A)	56	58	59	60	60
Max number of units that can be connected	n.	2	2	2	3	4
Refrigerant connections (outdoor unit)	Type	flared	flared	flared	flared	flared
	Ø liquid	2x 6,35(1/4")	2x 6,35(1/4")	2x 6,35(1/4")	3x 6,35(1/4")	4x 6,35(1/4")
Power Supply	Ø gas (with adaptors)	2x 9,52(3/8")	9,52(3/8") + 12,7(1/2")	2x 12,7(1/2")	3x 9,52(3/8")	4x 9,52(3/8")
	Type	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz

* = with adaptors (1/2" → 3/8") to be mounted on the outdoor unit

** = with adaptors (3/8" → 1/2") to be mounted on the outdoor unit

Indoor units	MFM	020W	025W	035W	050W
Air flow rate	m³/h	400	400	490	780
Sound pressure (max)	dB (A)	34	34	34	43
Refrigerant connections	Ø liquid	6,35(1/4")	6,35(1/4")	6,35(1/4")	6,35(1/4")
	Ø gas	9,52(3/8")	9,52(3/8")	12,7(1/2")	12,7(1/2")
Power Supply	Type	flared	flared	flared	flared

Indoor units	MFM	035C	050C
Air flow rate	m³/h	680	680
Sound pressure (max)	dB (A)	44	47
Refrigerant connections	Ø liquid	6,35(1/4")	6,35(1/4")
	Ø gas	12,7(1/2")	12,7(1/2")
Power Supply	Type	flared	flared

Indoor units	MFM	025D	035D	050D
Air flow rate	m³/h	450	520	840
Useful static pressures	Pa	0-25	0-25	0-50
Sound pressure (max)	dB (A)	37	40	42
Refrigerant connections	Ø liquid	6,35(1/4")	6,35(1/4")	6,35(1/4")
	Ø gas	9,52(3/8")	12,7(1/2")	12,7(1/2")
Power Supply	Type	flared	flared	flared

Indoor units	MFM	025F	035F	050F
Air flow rate	m³/h	550	600	700
Sound pressure (max)	dB (A)	45	46	54
Refrigerant connections	Ø liquid	6,35(1/4")	6,35(1/4")	6,35(1/4")
	Ø gas	9,52(3/8")	12,7(1/2")	12,7(1/2")
Power Supply	Type	flared	flared	flared

The performance refers to the following conditions:

♪ Sound pressure measures in a semianechoic chamber at 1m from the front

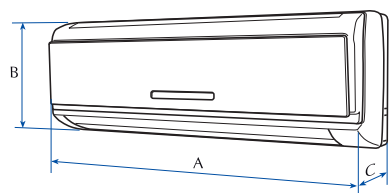
■ Cooling:

- Room air temperature 27 °C D.B.; 19 °C W.B.
- External air temperature 35 °C
- Maximum speed
- Refrigerant lines length 5m

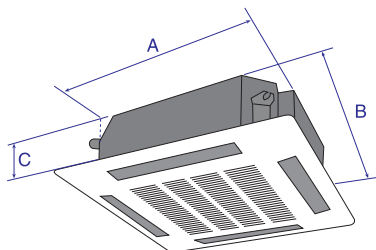
■ Heating:

- Room air temperature 20 °C
- External air temperature 7 °C D.B.; 6 °C W.B.
- Maximum speed
- Refrigerant lines length 5m

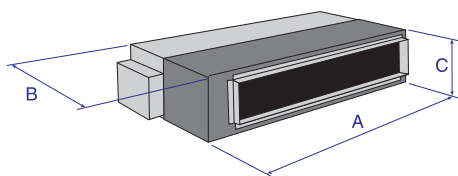
Dimensional data (mm)



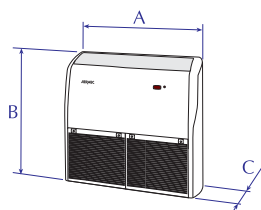
MFM_W



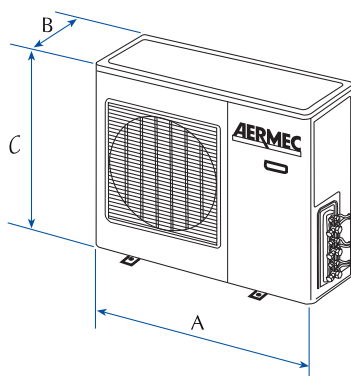
MFM_C
MFMGL40S



MFM_D



MFM_F



MFM

	A (mm)	B (mm)	C (mm)	Weight (kg)
MFM020W	770	250	190	8,5
MFM025W	770	250	190	8,5
MFM035W	830	285	200	11
MFM050W	1020	310	228	13
MFM035C*	600	600	230	20
MFM050C*	600	600	230	20
MFM025D	913	680	220	38
MFM035D	913	680	220	20
MFM050D	1012	736	266	20
MFM025F	836	695	238	26
MFM035F	836	695	238	26
MFM050F	836	695	238	26
MFM52	846	378	685	52
MFM62	950	420	840	72
MFM72	950	420	840	72
MFM73	950	420	840	75
MFM84	950	420	840	75

*: *: Grid dimensions MFMGL40S mm 650x650x50;
Weight = 5 kg;