

MW MINI COMPACT & SLIM IS COMPOSED OF 7 SINGLE OUTDOOR UNITS TO WHICH MAX 20 INDOOR UNITS CAN BE CONNECTED

1-PHASE, SINGLE FAN: 3 MODELS

The 1-Phase outdoor units with horizontal air discharge are available in 10.00 kW, 12.10 kW and 14.10 kW models.

All the compressors of the 1-Phase models are Rotary DC Inverter and Inverter fans.

3-PHASE, DOUBLE FAN: 4 MODELS

The 3-Phase outdoor units with horizontal air discharge are available in 16.00 kW, 22.40 kW, 28.00 kW and 33.50 kW models.

Rotary DC Inverter compressor for the 16.00 kW and 22.40 kW models.
Scroll Inverter compressor for the 28.00 kW and 33.50 kW models.

CAPACITY AND NUMBER OF CONNECTABLE INDOOR UNITS

Modello	Min~Max power of connectable I.U.	Min~Max number of connectable I.U.	Conto Termico 2.0	Ecobonus
M-VMC-OV-100-NG	50~135%	1~5	✓	✓
M-VMC-OV-121-NG	50~135%	1~6	✓	✓
M-VMC-OV-141-NG	50~135%	1~8	✓	✓
M-VM-OV-160-SG	50~135%	1~9	✓	✓
M-VS-OV-224-SG	50~135%	1~13	✓	✓
M-VS-OV-280-SG	50~135%	1~17	✓	✓
M-VS-OV-335-SG	50~135%	1~20	✓	✓

OPERATING RANGE

up to

52°C

in cooling

down to

-20°C

in heating

MAXIMUM COMPACTNESS FOR ALL OUTDOOR UNITS

COMPACT 10.00 - 12.10 - 14.10 kW



L 980 x H 790 x D 360 (mm) 10~12.1 kW
L 940 x H 820 x D 460 (mm) 14.1 kW

SLIM 16.00 - 22.40 - 28.00 - 33.50 kW



L 900 x H 1345 x D 340 (mm) 16 kW
L 940 x H 1430 x D 320 (mm) 22.4 kW
L 940 x H 1615 x D 460 (mm) 28~33.5 kW

COMPACT OUTDOOR UNITS

3 REFRIGERANT CAPACITIES

10.00 - 12.10 - 14.10 kW

R410A

Refrigerant gas

GOLD FIN PROTECTION

USE IN SINGLE MODE

(not in combination)

COMPACT DESIGN

COOLING OPERATING RANGE

-5~+52° C

HEATING OPERATING RANGE

-20~+27° C

M-VMC-OV-100-NG
M-VMC-OV-121-NG
M-VMC-OV-141-NG



Model			M-VMC-OV-100-NG	M-VMC-OV-121-NG	M-VMC-OV-141-NG
Nominal Data					
Rated capacity	Cooling	kW	10.00	12.10	14.10
Nominal absorbed power		kW	2.70	3.50	3.92
Energy efficiency coefficient (nominal)		EER1	3.70	3.51	3.60
Rated capacity	Heating	kW	11.00	13.00	16.00
Nominal absorbed power		kW	2.50	2.70	4.16
Energy performance coefficient (nominal)		COP1	4.40	4.81	3.85
Seasonal Data					
Seasonal energy efficiency index	Cooling	SEER2	6.60	7.28	6.76
	Heating	SCOP2	3.80	4.45	3.67
Electrical Data					
Power supply		Ph-V-Hz	1-220~240V-50Hz		
Maximum current		A	22.40	24.00	35.80
Refrigerant Circuit Data					
Refrigerant ³		type (GWP)	R410A (2088)		
Q.ty of refrigerant pre-charge ⁴ (tons of CO2 equivalent)		Kg	1.8 (3.76)	2 (4.18)	3.3 (6.89)
Compressor		nb. / type	1 / Rotary DC Inverter		
Piping diameter	Liquid	mm (inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas	mm (inch)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Product Specifications					
Dimensions	WxHxD	mm	980x790x360	980x790x360	940x820x460
Net weight		Kg	80	85	98
Sound power level	max	dB(A)	69	70	73
Sound pressure level at 1 m	max	dB(A)	-	-	-
Volume of air treated	max	m ³ /h	4000	4400	5200
Operating range (outdoor temperature)	Cooling	°C	-5~52	-5~52	-5~52
	Heating	°C	-20~27	-20~27	-20~27
Connectable indoor units (min - max)		nb.	1 - 5	1 - 6	1 - 8
Capacity of connectable indoor units		%		50 ~ 135	

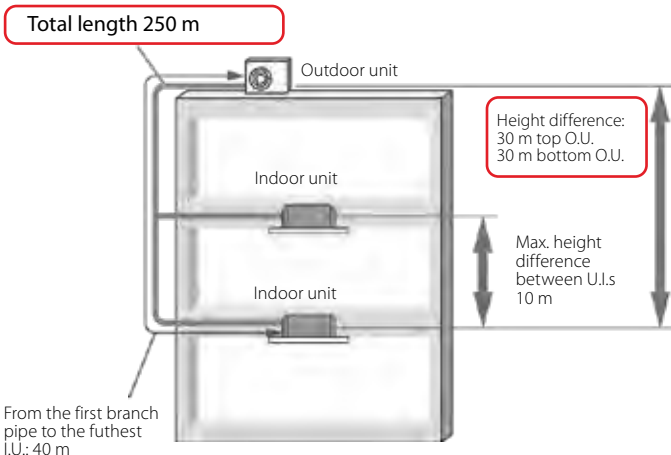
1. Value measured according to the harmonized standard EN14511.

2. EU Regulation No. 206/2012 -- Value measured according to the harmonized standard EN14825.

3. Refrigerant leakage contributes to climate change. If released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 2088. If 1 kg of this refrigerant were released into the atmosphere, therefore, the impact on global warming would be 2088 times higher than 1 kg of CO2, over a period of 100 years.

Under no circumstances should the user attempt to intervene on the refrigerant circuit or disassemble the product. If necessary, always contact qualified personnel.

4. To calculate the additional refrigerant charge, refer to the labels located inside and outside the unit.



ALUMINIUM LOUVERS WITH ANTI-CORROSION COATING (GOLD FIN)

The louvers' coating lasts over time and ensures greater resistance to salt corrosion.



Hydrophilic layer
Gold protective layer
(epoxy resin and modified acrylic)
Anti-corrosion Al-Mn alloy

