

## INDOOR UNITS DC2 Floor Unit with Casing

**MUNDOCLIMA®**  
SUPER DC INVERTER



- DC Fan Motors
- Digital display with the possibility to turn it off.
- Air inlet at the bottom part.
- Possibility to limit temperatures with the new 2-wire wired controls (WDC).
- 0.5 °C temperature setting and 7-speed fan (with the RM12D and WDC controls).
- Control not included.
- The WDC-86E/KD(A) control can be integrated into the equipment.

### TECHNICAL SPECIFICATIONS

Model		MVD-22F5DN1A	MVD-28F5DN1A	MVD-36F5DN1A	MVD-45F5DN1A	MVD-56F5DN1A	MVD-71F5DN1A	MVD-80F5DN1A
Code		CL 23 460	CL 23 461	CL 23 462	CL 23 463	CL 23 464	CL 23 465	CL 23 466
Power Supply		Ph, V, Hz 1N-, 220 - 240, 50						
Cooling <sup>(1)</sup>	Capacity	kW 2.2	2.8	3.6	4.5	5.6	7.1	8
	Power Consumption	W 18	18	25	41	37	75	87
Heating <sup>(2)</sup>	Capacity	kW 2.4	3.2	4	5	6.3	8	9
	Power Consumption	W 17	18	22	37	23	73	83
Fan	Air flow rate <sup>(3)</sup>	m³/h 509/499/489/479 /469/459/449	509/499/489/479 /469/459/449	547/526/498/480 /464/428/409	623/591/560/531 /486/461/388	623/591/560/531 /486/461/388	967/916/866/805 /740/681/631	967/916/866/805 /740/681/631
	Sound pressure <sup>(4)</sup>	dB (A) 36/35/34/33 /31/30/29	36/35/34/33 /31/30/29	37/36/35/34 /32/31/30	37/36/35/34 /32/31/30	41/39/37/35 /33/32/31	44/42/40/39 /37/35/33	44/42/40/39 /37/35/33
	Sound power	dB (A) 50/50/49/49 /48/48/48	50/49/49/48 /48/47/47	51/50/49/48 /47/47/46	53/53/52/50 /49/49/48	51/50/50/50 /49/49/48	54/53/52/51 /50/49/49	54/53/52/51 /50/49/49
Indoor unit	Dim. (W x H x D)	mm 1020 x 495 x 200	1240 x 4995 x 200		1360 x 591 x 200			
	Weight	kg 22	22	23	26.6	32.6	34.4	34.4
Drainage	Connection	mm Ø 18.5						
Connection pipes	Liquid Line	mm (inch) 6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.53 (3/8")	9.53 (3/8")
	Gas Line	mm (inch) 12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")
Electrical connections <sup>(5)</sup>	Power wiring	mm² 2 x 2.5 + T (L < 20 m)						
	Signal wiring	mm² 3 x 0.75 (shielded)						

#### Notes:

<sup>(1)</sup>Nominal cooling conditions: Indoor 27 °C DB, 19 °C WB and outdoor 35 °C DB, 24 °C WB, for pipe length of 7.5 m and a height difference of 0 m.

<sup>(2)</sup>Nominal heating conditions: indoor 20 °C DB, 15 °C WB and outdoor 7 °C DB, 6 °C WB, for a pipe length of 7.5 m and a height difference of 0 m.

<sup>(3)</sup>Air flow rate from the highest to the lowest speed, each equipment has 7 speeds overall.

<sup>(4)</sup>Sound pressure from the highest to the lowest speed, in total each equipment has 7 speeds. Measured 1.4 m below the unit in a semi-anechoic chamber.

<sup>(5)</sup>Power wiring recommended for L < 20 m, for longer distances it should be recalculated.

### OPTIONALS

More information on optionals in "CONTROL SYSTEMS"

#### Wireless control



RM12F  
(CL 97 820)

RECOMMENDED

#### Wired remote control



WDC-120G/WK(A)  
(CL 97 813)



WDC-86E/KD(A)  
(CL 97 814)



KJR-29B1/BK-E  
(CL 92 869)

#### Centralized controller



CCM-180A/WS  
(CL 97 800)



CCM-270B/WS  
(CL 97 802)

BACnet



IMMP-BAC(A)<sup>(2)</sup>  
(CL 97 826)



CCM30/BKE<sup>(1)</sup>  
(CL 92 871)



CCM15  
(CL 92 872)

#### Software control<sup>(2)</sup>



IMMP-S(A)  
(CL 97 825)



K-380EW  
(CO 14 907)

#### WIFI



Modbus  
GW-MOD(A)  
(CL 97 828)



LonWorks  
GW-LON(A)  
(CL 97 829)

#### BMS<sup>(2)</sup>



ON/OFF CONNECTOR  
(CL 94 398)



2 stands set  
(LC 04 631)

#### Accessories

<sup>(1)</sup>Only if the outdoor unit is from the Mini V4+ series.

<sup>(2)</sup>Only if the outdoor unit is from the V6M, V6X or V6R series.

<sup>(3)</sup>ON/OFF Connector (CL 94 398) required.

**Note:** The connection of centralized control systems and BMS systems is made to the outdoor unit (XYE port).