

## INDOOR UNITS MVD DC2 100% Outside Air Duct

- DC Fan Motors
- All outdoor air treatment unit
- Static pressure configurable from the micro-switches or from the new WDC controls.
- Occupy a single address in the system
- Possibility of limiting temperatures with the new 2-wire wired controls (WDC)
- Temperature setting of 0.5°C and 7 fan speeds (with RM12D and WDC controls)
- Control is not included



### TECHNICAL SPECIFICATIONS


















Model			MVD-125FADN1	MVD-140FADN1	MVD-200FADN1	MVD-250FADN1	MVD-280FADN1
Code			CL23540	CL23541	CL23542	CL23543	CL23544
Power supply		Ph, V, Hz	1N-, 220-240, 50	1N-, 220-240, 50	1N-, 220-240, 50	1N-, 220-240, 50	1N-, 220-240, 50
Cooling <sup>(1)</sup>	Capacity	kW	12.5	14	20	25	28
	Power consump.	W	480	480	850	850	850
Heating <sup>(2)</sup>	Capacity	kW	10.5	12	18	20	22
	Power consump.	W	480	480	850	850	850
Fan	Air flow rate <sup>(3)</sup>	m <sup>3</sup> /h	200/1917/1833/1750/1667/1583/1500	200/1917/1833/1750/1667/1583/1500	3000/2833/2667/2500/2333/2167/200	3000/2833/2667/2500/2333/2167/200	3000/2833/2667/2500/2333/2167/200
	Sound pressure <sup>(4)</sup>	dB(A)	48/47/46/45/44/43/42	48/47/46/45/44/43/42	50/49/48/47/46/44/43	50/49/48/47/46/44/43	50/49/48/47/46/44/43
	Sound power	dB(A)	66/65/64/63/62/61/30	66/65/64/63/62/61/30	68/67/66/65/64/62/61	68/67/66/65/64/62/61	68/67/66/65/64/62/61
	Static pressure nominal (min.-max)	Pa	180 (30 – 200)	180 (30 – 200)	200 (30 – 250)	200 (30 – 250)	200 (30 – 250)
Indoor unit	Dim. (W x H x D)	mm	1322 x 423 x 691	1322 x 423 x 691	1454 x 515 x 931	1454 x 515 x 931	1454 x 515 x 931
	Weight	kg	68	68	130	130	130
Drainage	Connection	mm	Ø25	Ø25	Ø32	Ø32	Ø32
Connection pipes	Liquid Line	mm	9.52 (3/8")	9.52 (3/8")	9.52 (3/8") x 2	9.52 (3/8") x 2	9.52 (3/8") x 2
	Gas Line	mm	15.9 (5/8")	15.9 (5/8")	15.9 (5/8") x 2	15.9 (5/8") x 2	15.9 (5/8") x 2
Electrical connections <sup>(5)</sup>	Wiring Power	mm <sup>2</sup>	2 x 2.5 + T (L < 20m)				
	Signal wiring	mm <sup>2</sup>	3 x 0.75 (shielded)				

**Notes:**

- <sup>(1)</sup> Nominal cooling conditions: Outdoor 33 °C DB, 28°C WB, pipe length of 8m and a height difference of 0 m.  
<sup>(2)</sup> Nominal heating conditions: Outdoor 0 °C DB, -2,9 °C WB, pipe length of 8m and a height difference of 0 m.  
<sup>(3)</sup> Air flow from the highest to the lowest speed, in total each equipment has 7 speeds.  
<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 calculated.

### OPTIONALS

More information about the options in the section "CONTROL SYSTEMS"

<b>Wireless control</b>		<b>Wired remote control</b>			
 <b>NEW!</b> RM12D (CL 97 821)	 <b>RECOMMENDED</b> <b>NEW!</b> WDC-120G/WK (CL 97 810)	 <b>NEW!</b> WDC-86E/KD (CL 97 811)	 KJR-29B1/BK-E (CL 92 869)	 KJR-86C-E (CL 92 870)	
<b>Integral control<sup>(1)</sup></b>		<b>BMS<sup>(1)</sup></b>			
 IMM4 (CL 97 160-163)	 CCM08/E (CL 92 915)	 LONGW64/E (CL 92 877)	 MD-AC-MBS (CL 99 097 / CL 99 114-116)	 MD-AC-KNX (CL 94 792 / CL 99 094-095)	 IS-IR-KNX-1i (CL 99 096)
<b>Centralized control<sup>(1)</sup></b>			<b>WIFI</b>	<b>Accessories</b>	
 CCM180A/BWS (CL 97 800)	 CCM270A/BWS (CL 97 801)	 CCM30/BKE (CL 92 871)	 CCM15 (CL 92 872)	 K-380EW (CO 14 907)	 ON/OFF CONNECTOR (CL 94 398)

(1) Can only be connected via the outdoor unit