

INDOOR UNITS MVD

Low silhouette duct DC2



- DC Fan Motor
- Inlet for external air supply
- Static pressure configurable from the micro-switches or from the new WDC controls.
- Condensate removal pump
- 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-22T2DN1	MVD-28T2DN1	MVD-36T2DN1	MVD-45T2DN1	MVD-56T2DN1	MVD-71T2DN1
Code			CL23520	CL23521	CL23522	CL23523	CL23524	CL23525
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	1N-, 220-240, 50
Cooling ⁽¹⁾	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Power consump.	W	40	40	45	92	92	98
Heating ⁽²⁾	Capacity	kW	2.6	3.2	4.0	5.0	6.3	8.0
	Power consump.	W	40	40	45	92	92	98
Fan	Air flow rate ⁽³⁾	m³/h	520/480/440/400/360/330/300	580/540/500/460/430/400/370	800/740/680/620/540/480/400	830/760/720/680/640/600/560	1000/960/900/840/780/720/680	1000/960/900/840/780/720/680
	Sound pressure ⁽⁴⁾	dB(A)	32/31/29/28/26/25/23	32/31/29/28/26/25/23	33/32/31/30/28/27/25	36/34/32/31/29/27/25	36/34/33/32/30/29/28	37/35/33/32/30/29/28
	Sound power	dB(A)	50/49/47/46/44/43/41	50/49/47/46/44/43/41	51/50/49/48/46/45/43	54/52/50/49/47/45/43	54/52/51/50/48/47/46	55/53/51/50/48/47/46
	Static pressure nominal (min.-max.)	Pa	10 (0 - 70)	10 (0 - 70)	10 (0 - 70)	10 (0 - 70)	10 (0 - 70)	10 (0 - 70)
Indoor unit (body)	Dim. (W x H x D)	mm	750 x 210 x 500	750 x 210 x 500	750 x 210 x 500	1000 x 210 x 500	1000 x 210 x 500	1220 x 210 x 500
	Weight	kg	18	18	18	21.5	21.5	25.7
Outdoor air pre-inlet		mm	Ø92	Ø92	Ø92	Ø92	Ø92	Ø92
Drainage	Connection	mm	Ø25	Ø25	Ø25	Ø25	Ø25	Ø25
	Pump height ⁽⁵⁾	mm	600	600	600	600	600	600
Connection pipes	Liquid Line	mm	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
	Gas Line	mm	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 ⁽⁶⁾	Wiring Power	mm²	2 x 2.5 + T (L < 20m)					
	Signal wiring	mm²	3 x 0.75 (shielded)					

- Notes: ⁽¹⁾ Nominal cooling conditions: Indoor 27°C DB, 19 °C WB and outdoor 35 °C DB, 24°C WB, pipe length of 7.5m and a height difference of 0 m.
⁽²⁾ Nominal heating conditions: Indoor 20 °C DB, 15 °C WB and outdoor 7 °C DB, 6 °C WB, pipe length of 7.5m and a height difference of 0 m.
⁽³⁾ Air flow from the highest to the lowest speed, in total each equipment has 7 speeds.
⁽⁴⁾ 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.
⁽⁵⁾ Maximum height from the base of the unit with elbow 90° to 200 mm max.
⁽⁶⁾ 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"

Wireless control		RECOMMENDED			Wired remote control		
 RM12D (CL 97 821)	 WDC-120G/WK (CL 97 810)	 WDC-86E/KD (CL 97 811)	 KJR-29B1/BK-E (CL 92 869)	 KJR-86C-E (CL 92 870)			
Integral control⁽¹⁾		BMS⁽¹⁾					
 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)		
Centralized control⁽¹⁾				WIFI	Accessories		
 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

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TECHNICAL SPECIFICATIONS

Model			MVD-80T2DN1	MVD-90T2DN1	MVD-112T2DN1	MVD-140T2DN1
Code			CL23526	CL23527	CL23528	CL23529
Power supply			Ph, V, Hz	1N-, 220-240, 50	1N-, 220-240, 50	1N-, 220-240, 50
Cooling ⁽¹⁾	Capacity	kW	8.0	9.0	11.2	14.0
	Power consump.	W	110	120	200	250
Heating ⁽²⁾	Capacity	kW	9.0	10.0	12.5	15.5
	Power consump.	W	110	120	200	250
Fan	Air flow rate ⁽³⁾	m ³ /h	1260/1180/1100/1020/ 940/860/780	1260/1180/1100/1020/ 940/860/780	1500/1430/1360/1290/ 1210/1140/1080	1960/1860/1760/1660/ 1560/1460/1360
	Sound pressure ⁽⁴⁾	dB(A)	37/35/34/33/ 31/29/28	37/35/34/33/ 31/29/28	39/38/38/37/ 35/34/33	41/39/38/37/ 36/35/33
	Sound power	dB(A)	55/53/52/51/ 49/47/46	55/53/52/51/ 49/47/46	57/56/56/55/ 53/52/51	59/57/56/55/ 54/53/51
	Static pressure nominal (min.-max.)	Pa	20 (10 – 100)	20 (10 – 100)	20 (10 – 100)	40 (30 – 150)
Indoor unit (body)	Dim. (W x H x D)	mm	1230 x 270 x 775	1230 x 270 x 775	1230 x 270 x 775	1290 x 300 x 865
	Weight	kg	36.5	37	37	46.5
Outdoor air pre-inlet			mm	Ø125	Ø125	Ø125
Drainage	Connection	mm	Ø25	Ø25	Ø25	Ø25
	Pump height ⁽⁵⁾	mm	600	600	600	600
Connection pipes	Liquid Line	mm	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Line	mm	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
Electrical connections ⁽⁶⁾	Wiring Power	mm ²	2 x 2.5 + T (L < 20m)			
	Signal wiring	mm ²	3 x 0.75 (shielded)			

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OPTIONALS

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Wireless control		Wired remote control		
 NEW! RM12D (CL 97 821)	 RECOMMENDED NEW! WDC-120G/WK (CL 97 810)	 NEW! WDC-86E/KD (CL 97 811)	 KJR-29B1/BK-E (CL 92 869)	 KJR-86C-E (CL 92 870)
Integral control⁽¹⁾		BMS⁽¹⁾		
 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)
Centralized control⁽¹⁾				WIFI
 CCM180A/BWS (CL 97 800)	 CCM270A/BWS (CL 97 801)	 CCM30/BKE (CL 92 871)	 CCM15 (CL 92 872)	 K-380EW (CO 14 907)
				Accessories
				 ON/OFF CONNECTOR (CL 94 398)

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