

HIGH CAPACITY INVERTER DUCT SPLIT MUCHR-HV8M Series

R410A

MUNDOCLIMA®
SUPER DC INVERTER



Quality motor

High protection

High static pressure

Easier maintenance

- DC Inverter Compressor Scroll EVI.
- DC Fan Motors.
- Static pressure can be set from the micro switches or from the new WDC controls.
- Possibility of limiting temperatures.
- Temperature setting of 0.5 °C and 7 fan speeds.
- Weekly programmer.
- Centralized controller CCM (optional).
- Same functions as the ranges MVD V8M.



WDC-120G/WK(A)



TECHNICAL SPECIFICATIONS

Model			MUCHR-40-HV8M	MUCHR-45-HV8M	MUCHR-56-HV8M
Code			CL 23 954	CL 23 955	CL 23 956
Cooling ⁽¹⁾	Capacity	kW	40.00	45.00	56.00
	Consumption	kW	17.50	17.80	25.17
	EER	kW	2.29	2.53	2.22
Heating ⁽²⁾	Capacity	kW	45.00	58.00	63.00
	Consumption	kW	13.50	14.00	17.77
	COP	kW	3.33	4.00	3.54
Indoor unit	Model MVD-		400T1DN1	450T1DN1	560T1DN1
	Code		CL23534	CL23535	CL23536
	Power supply	Ph, V, Hz	1 N-, 220-240 V, 50 Hz	1 N-, 220-240 V, 50 Hz	1 N-, 220-240 V, 50 Hz
	Nominal intensity	A	12.5	12.5	15.4
	Air flow rate ⁽³⁾	m ³ /h	6500/6150/5800/5450/ 5100/4750/4400	6500/6150/5800/5450/ 5100/4750/4400	7400/7000/6600/6200/ 5800/5400/5000
	Static pressure available	Pa	300 (100 – 400)	300 (100 – 400)	300 (100 – 400)
	Sound pressure (4)	dB (A)	60 / 59 / 58 / 57 / 55 /54 / 52	60 / 59 / 58 / 57 / 55 /54 / 52	59 / 58 / 57 / 56 / 55 /53 / 51
	Dimensions (W x H x D)	mm	1937 x 680 x 905	1937 x 680 x 905	1937 x 680 x 905
	Weight	kg	210	210	218
	Drain connection	mm	Ø 32	Ø 32	Ø 32
Power cable ⁽⁵⁾	mm ²	2 x 4 + T	2 x 4 + T	2 x 4 + T	
Outdoor Unit	Model MVD-		MVD-V8M400WDRN1	MVD-V8M450WDRN1	MVD-V8M560WDRN1
	Code		CL23365	CL23366	CL23368
	Power supply	Ph, V, Hz	3N-, 400V, 50Hz	3N-, 400V, 50Hz	3N-, 400V, 50Hz
	Nominal intensity	A	28	30	40
	Flow rate	m ³ /h	12500	18500	18500
	Static pressure available	Pa	0 ~ 80	0 ~ 80	0 ~ 80
	Sound pressure (4)	dB (A)	59	60	61
	Dimensions (W x H x D)	mm	1130 x 1760 x 580	1250 x 1760 x 580	1250 x 1760 x 580
	Weight	kg	187	214	234
	Power cable / ICP ⁽⁶⁾	mm ²	4 x 6 + T / 32	4 x 6 + T / 40	4 x 10 + T / 50
Refrigerant	Type / GWP		R410A / 2088		
	Preloaded amount	kg/TCO ₂ eq	7.4 / 15.46	8 / 16.71	8.5 / 17.75
	Additional load (from 0 m)	kg/m	0.170	0.170	0.170
Connection pipes ⁽⁶⁾	Liquid Line	mm (inches)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
	Gas line	mm (inches)	28.6 (1 1/8")	28.6 (1 1/8")	28.6 (1 1/8")
Pipe length ⁽⁷⁾	Max. vertical	m	50	50	50
	Total	m	150	150	150
Communication cable		mm ²	3 x 0.75 (shielded)	3 x 0.75 (shielded)	3 x 0.75 (shielded)
Wired remote control	Model		WDC-120G/WK	WDC-120G/WK	WDC-120G/WK
	No. of wires		2	2	2
Operating temperature range	Cooling	°C	-15 ~ 55	-15 ~ 55	-15 ~ 55
	Heating	°C	-30 ~ 30	-30 ~ 30	-30 ~ 30

Note: ⁽¹⁾ Nominal cooling conditions: Indoor 27°C DB, 19 °C WB and outdoor 35 °C DB, pipe length of 8 m and a height difference of 0 m.

⁽²⁾ Nominal heating conditions: Indoor 20 °C DB, 15 °C WB and outdoor 7 °C DB, pipe length of 8 m and a height difference of 0 m.

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

⁽⁴⁾ Sound pressure from the highest to the lowest speed, in total each equipment has 7 speeds. Measured 1.4 m / 1.3 m (I/U / OU) below the unit in a semi-anechoic chamber.

⁽⁵⁾ Power wiring recommended for L < 20 m, for longer distances it should be calculated.

⁽⁶⁾ For a distance equal to or greater than 90 m, refer to the installation manual of the external unit.

⁽⁷⁾ Pipe length when outdoor unit is installed higher than the indoor units.

Caution: Set parameter no. 5 from 0 to 1 on the outdoor unit.