

## DUCT INVERTER SPLIT GREAT CAPACITY MUCHR-H8A Series

**MUNDOCLIMA®**  
**SUPER DC INVERTER**

- Outdoor unit vertical discharge.
- DC Inverter Compressor.
- DC Fan Motors.
- Static pressure configurable from the microswitches or from the new WDC control.
- Possibility of limiting temperatures.
- Temperature setting of 0.5 °C and 7 fan speeds.
- Weekly programmer.
- Centralized controller CCM (opt. ...)

**R410A**

**NEW!**



Quality motor



High protection



High Pressure



Servicing easier



Mod. 40



Mod. 40 to 56



WDC-120G/WK



Mod. 28 to 56

### TECHNICAL SPECIFICATIONS

Model			MUCHR-28-H8A	MUCHR-40-H8A	MUCHR-45-H8A	MUCHR-56-H8A
Code			CL 23 920	CL 23 921	CL 23 922	CL 23 923
Cooling <sup>(1)</sup>	Capacity	kW	27.44	39.21	44.11	54.88
	Consumption	kW	8.69	13.46	18.44	18.74
	EER	kW	3.16	2.91	2.39	2.93
Heating <sup>(2)</sup>	Capacity	kW	28.30	35.91	40.41	50.29
	Consumption	kW	8.09	11.63	13.49	16.27
	COP	kW	3.50	3.09	3.00	3.09
Indoor unit	MVD model-		280T1DN1	400T1DN1	450T1DN1	560T1DN1
	Code		CL 23 533	CL 23 534	CL 23 535	CL 23 536
	Power supply	Ph, V, Hz	1N-, 220-240V, 50Hz			
	Nominal intensity	A	6.7	12.5		15.4
	Air flow rate <sup>(3)</sup>	m <sup>3</sup> /h	4330/4230/4130/4030/3930/3830/3730	6500/6150/5800/5450/5100/4750/4400		7400/7000/6600/6200/5800/5400/5000
	Static pressure available	Pa	170 (20 – 250)	300 (100 – 400)		
	Sound pressure <sup>(4)</sup>	dB(A)	57/56/55/54/53/52/50	60/59/58/57/55/54/52		59/58/57/56/55/53/51
	Dimensions (W x H x D)	mm	1440 x 505 x 925	1937 x 680 x 905		
	Weight	kg	130	210	210	218
	Drain connection	mm	Ø32	Ø32	Ø32	Ø32
Power cable <sup>(5)</sup>	mm <sup>2</sup>	2 x 2.5 + T	2 x 4 + T	2 x 4 + T	2 x 4 + T	
Outdoor Unit	MVD model-		V5X280W/V2GN1	V5X400W/V2GN1	V5X450W/V2GN1	V5X560W/V2GN1
	Code		CL 23 301	CL 23 303	CL 23 304	CL 23 306
	Power supply	Ph, V, Hz	3N-, 400V, 50Hz			
	Nominal intensity	A	21.00	27.30	29.90	41.20
	Air flow rate	m <sup>3</sup> /h	12,000	14,000	14,000	16,000
	Static pressure available	Pa	20 (0 – 40)			
	Sound pressure <sup>(4)</sup>	dB(A)	59	62	62	63
	Dimensions (W x H x D)	mm	990 x 1635 x 790	1340 x 1635 x 790	1340 x 1635 x 790	1340 x 1635 x 790
Weight	kg	219	315	315	340	
Power cable <sup>(5)</sup>	mm <sup>2</sup>	4 x 6 + T	4 x 6 + T	4 x 10 + T	4 x 16 + T	
Refrigerant	Type / PCA		R410A / 2088			
	Preloaded amount	kg/TCO <sub>2</sub> eq	9.0 / 18.79	13.0 / 27.14	13.0 / 27.14	16.0 / 33.41
	Additional load (from 0 m)	kg/m	0.057	0.110	0.110	0.170
Connection pipes <sup>(6)</sup>	Liquid Line	mm (inches)	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")
	Gas Line	mm (inches)	22.2 (7/8")	28.6 (1 1/8")	28.6 (1 1/8")	28.6 (1 1/8")
Pipe length <sup>(7)</sup>	Max. Vertical	m	110			
	Total	m	175			
Communication cable	mm <sup>2</sup>	3 x 0,75 (shielded)				
Wired remote control	Model		WDC-120G/WK			
	Nr. of wires		2			
Temp. Range Operation	Cooling	°C	-5 to 43			
	Heating	°C	-20 to 24			

Note: <sup>(1)</sup> 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.

<sup>(2)</sup> Nominal heating conditions: Indoor 20 °C DB, 15 °C WB and outdoor 7 °C DB, pipe length of 8 m and a of 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.

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

<sup>(7)</sup> Refrigeration distances when the outdoor unit is installed lower than the indoor units, otherwise instead of 110m is 90m.

**Caution: Before starting up the equipment (and without supply) you have to configure the whole micro-switch S6 in OFF position in the outdoor unit.**