

HIGH CAPACITY INVERTER DUCT SPLIT MUCHR-HV6X Series



Automatic restart
Recovery of the adjustments before the electrical cut.



Different speeds of the external fan
Accurate adjustment of fan speed thanks to fan DC.



Configurable static pressure
The static pressure of the fan can be adjusted using the electronic board, in this way, the machine can be adapted to each installation.



Troubleshooting
Error codes are showed in the indoor panel and outer plate.



Follow me function
The wireless remote control incorporates a temperature sensor.

R410A



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



IU- Mod. 28



IU- Mod. 33 to 56

OPTIONALS

More information on the options can be found at "CONTROL SYSTEMS"

Wireless control



RM12F
(CL 97 820)

WIFI



K-380EW
(CO 14 907)

Software control ⁽²⁾



IMMP-S(A)
(CL 97 825)

Wired remote control



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



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

BMS ⁽¹⁾



GW-MOD(A)
(CL 97 828)



GW-LON(A)
(CL 97 829)

Centralized control ⁽¹⁾



CCM180A/WS
(CL 97 800)



CCM270B/WS
(CL 97 802)



IMMP-BAC(A)
(CL 97 826)



CCM15
(CL 92 872)

Accessories



ON/OFF
CONNECTOR
(CL 94 398)

⁽¹⁾ Can only be connected through the outdoor unit

⁽²⁾ At least one CCM-270B/WS (CL 97 802) or one IMMP-BAC(A) (CL 97 826) required

SPECIFICATIONS

Model			MUCHR-28-HV6X	MUCHR-33-HV6X	MUCHR-40-HV6X	MUCHR-45-HV6X	MUCHR-56-HV6X	
Code			CL 23 941	CL 23 949	CL 23 942	CL 23 943	CL 23 944	
Cooling ⁽¹⁾	Capacity	kW	28.55	33.50	40.78	45.90	57.09	
	Consumption	kW	7.50	10.50	11.70	13.80	17.37	
	EER	kW	3.81	3.19	3.49	3.33	3.29	
Heating ⁽²⁾	Capacity	kW	27.87	33.50	39.82	44.80	55.75	
	Consumption	kW	6.40	8.40	10.30	11.60	14.97	
	COP	kW	4.35	3.99	3.87	3.86	3.72	
Indoor unit	Model MVD-		280T1DN1	400T1DN1	400T1DN1	450T1DN1	560T1DN1	
	Code		CL 23 533	CL 23 534	CL 23 534	CL 23 535	CL 23 536	
	Power supply	Ph, V, Hz	1 N-, 220-240 V, 50 Hz					
	Nominal intensity	A	6.7	12.5	12.5		15.4	
	Air flow rate ⁽³⁾	m ³ /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 ⁽⁴⁾	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	1937 x 680 x 905	1937 x 680 x 905	1937 x 680 x 905	
	Weight	kg	130	210	210	210	218	
	Drain connection	mm	Ø 32	Ø32	Ø 32	Ø 32	Ø 32	
	Power cable ⁽⁵⁾	mm ²	2 x 2.5 + T	2 x 4 + T	2 x 4 + T	2 x 4 + T	2 x 4 + T	
Outdoor unit	Model MVD-		V6X280W/V2GN1	V6X335W/V2GN1	V6X400W/V2GN1	V6X450W/V2GN1	V6X560W/V2GN1	
	Code		CL 23 601	CL 23 602	CL 23 603	CL 23 604	CL 23 606	
	Power supply	Ph, V, Hz	3N-, 400 V, 50 Hz					
	Nominal intensity	A	25.20	26.40	33.10	33.10	46.90	
	Flow	m ³ /h	11,000	11,000	13,000	13,000	17,000	
	Static pressure available	Pa	20 (0 - 60)					
	Sound pressure ⁽⁴⁾	dB (A)	58	60	62	65	66	
	Dimensions (W x H x D)	mm	990 x 1635 x 790	990 x 1635 x 790	1340 x 1635 x 850	1340 x 1635 x 850	1340 x 1635 x 825	
	Weight	kg	227	227	277	277	348	
	Power cable/ICP ⁽⁵⁾	mm ²	4 x 6 + T / 32	4 x 6 + T / 32	4 x 10 + T / 40	4 x 10 + T / 40	4 x 10 + T / 50	
Refrigerant	Type / PCA		R410A / 2088					
	Preloaded amount	kg / TCO ₂ eq	11.0 / 22.97	11.0 / 22.97	13.0 / 27.14	13.0 / 27.14	17.0 / 35.5	
	Additional load (from 0 m)	kg/m	0.057	0.057	0.110	0.110	0.170	
Connection pipes ⁽⁶⁾	Liquid Line	mm (inches)	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	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")	28.6 (1 1/8")	
Refrigerant distances ⁽⁷⁾	Max. vertical	m	90					
	Total	m	175					
Communication cable		mm ²	3 x 0.75 (shielded)					
Wired remote control	Model		WDC-120G/WK					
	No. of wires		2					
Operating temperature range	Cooling	°C	-5 to 48					
	Heating	°C	-20 to 24					

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

⁽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 low than the indoor units.