OUTDOOR UNITS

Maxi MVD V6X Series - 2 pipes

Super DC Inverter (up to 270 kW)







OPTIONAL COMPONENTS

More information on the optional components in "MUNDOCLIMA CONTROL SYSTEMS"

Black Box

Centralized controller



CCM-180A/WS (CL 97 800)



CCM-270B/WS (CL 97 802)



IMMP-BAC(A) (CL 97 826)



Software control

IMMP-S(A) (CL 97 825)

Wattmeter



GW-MOD(A) (CL 97 828)



GW-LON(A) (CL 97 829)



CCM17(V6DZ) (CL 97 823)



DTS343-3 (CL 97 827)

BMS



VERSATILITY

Up to 13 modules

The Super DC Inverter Maxi MVD V6X modular system, consists of 8 basic modules that can be combined with up to 3 modules according to the installation needs. They make up a total system capacity that can go from 8 up to 96 HP (270kW) in increments of 2 HP.







8 / 10 / 12 HP

14 / 16 / 18 / 20 / 22 HP

24 / 26 / 28 / 30 / 32 HP

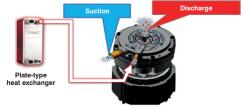
8/10/12/14/16/18/20/22/24/26/28/30/32 HP ··· Max. 96 HP (270 kW)



HIGH EFFICIENCY

DC Inverter EVI Scroll Compressor (Enhanced Steam Injection)

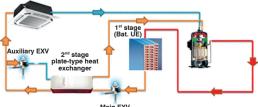
The EVI compressor allows the unit to operate in heating mode as far as -25°C thanks to the 2 stages of compression and the wide frequency range of 15 - 140Hz.



EVI compressor

Plate-type heat exchanger

The plate heat exchanger increases the subcooling of the refrigerant, resulting in a 10% improvement in energy efficiency and a reduction in refrigerant flow noise.



Main EXV

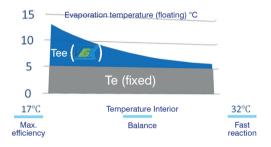
MINI MVD V6X SFRIFS



HIGH EFFICIENCY

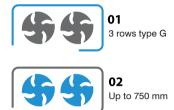
Evaporation/floating condensation temperature

The evaporation temperature (in cooling) and the condensation temperature (in heating) are automatically adjusted according to the indoor and outdoor temperature to balance comfort and energy efficiency.



High efficiency heating exchanger

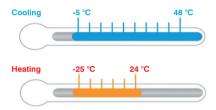
- 01 The modules from 24 to 32 HP incorporate a 3-row G-type battery, with an exchange surface area 1.5 times greater than that of the 22 HP module.
- 02 The modules from 24 to 32 HP also have super large fans with a diameter of up to 750 mm.



CONFORT

WIDE WORKING TEMPERATURE RANGE

The V6X Series can stably operate in heating mode between -25°C and 24°C, with 100% efficiency down to -5°C and in cooling mode between -5°C and 48°C.



Mode Priority

The 5 possible priority setting configurations in the operation mode provide more freedom and convenience to meet customer needs.

In addition, the system can be blocked for cooling or heating only through a potential-free contact (CN91 port).



Multiple silent modes

The silent mode includes several reduced noise programming options that can be used when low noise operations are required.

In total there are: 4 night silent modes, 3 silent modes and 4 super silent modes.



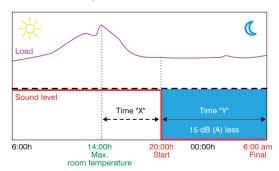
In super silent mode, both the maximum fan speed and the frequency of the compressor are limited.



In night and silent mode, only the maximum fan speed is limited.

The nightly silent mode is activated "X" hours after the maximum temperature peak is recorded by the outdoor unit, and deactivated "Y" hours later.

Mode $1 \rightarrow X = 6h$; Y = 10hMode $2 \rightarrow X = 8h$; Y = 10hMode $3 \rightarrow X = 6h$; Y = 12hMode $4 \rightarrow X = 8h$; Y = 8h



Note: The curve shown in the graph is an example.



HIGH RELIABILITY

ROTATION FUNCTION

This function matches the running time of the outdoor units in a multiple system, extending significantly the life of the compressors.



Dual backup function

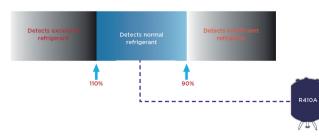
- **01 -** "Backup" of the compressors. The equipment can be left running with only one compressor for 4 days (only equipments with 2 compressors).
- 02 In a multiple installation "Backup" of the modules.





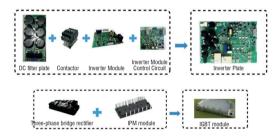
Detection of lack/excess of gas

The V6X Series can detect if the system lacks refrigerant or if there is an excess.



Fewer components

Integration of different components within the same electronic board, and communication between RS485 bus type boards, thus minimizing the risk of failure.



Cooling liquid

The electric panel is kept cold by a cooling liquid,the liquid pipe passes through the heat dissipator. Compared to the air cooling method, the temperature of the PCB is 10°C lower.



Manuals, catalogues and data sheets; available on our website

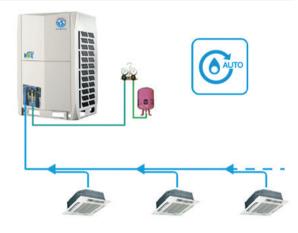
MINI MVD V6X SERIES

Easier installation

Automatic refrigerant gas charging

The V6X Series charges the refrigerant gas automatically without having to perform the additional charge calculation.





Energy management system

For projects with temporary power supply restrictions, the V6X Series can be configured to limit its capacity to $40 \sim 100\%$.



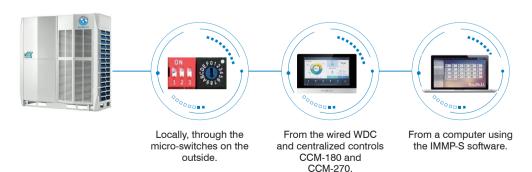
High static pressure

The available static fan pressure can be increased by simply activating a micro-switch on the control board of the outdoor unit.



Triple possibility of configurations

The parameters of the external unit can be configured and checked out in 3 ways:



MUND CLIMA SUPER DC INVERTER

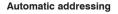
EASIER INSTALLATION

Up to 1 km of pipe

- Total pipe length/ vertical: 1 km
- Pipe length of the furthest indoor unit (equivalent):
 175 m (200 m)
- Pipe length between the first distributor and the furthest indoor unit (when certain conditions are met):

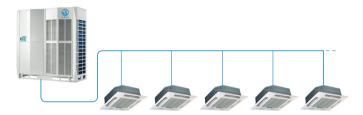
40 m (90 m)

- Height difference between indoor and outdoor units. (Highest outdoor unit): **90 m (110 m)**
- Height difference between indoor units: 30 m



By default, the first time the power supply to the entire system is activated, the outdoor unit automatically assigns the address to each indoor unit. It is also possible to observe and modify the address of each interior unit from your controller.





Without oil balance pipe

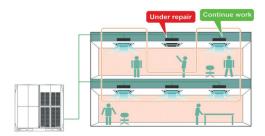
Thanks to the new oil management technology, in the modular systems, there is no need to install the oil balance pipe.



EASIER MAINTENANCE

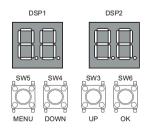
Maintenance mode

When the maintenance mode is activated, the outdoor unit does not check the number of indoor units connected, so that the system can continue to operate without them.



Settings menu

The main board incorporates the new parameter settings menu that allows us to adjust most of the equipment's functions.



Manuals, catalogues and data sheets: available on our website

MINI MVD V6X SERIES



TECHNICAL SPECIFICATIONS

Model				MVD-V6X252W / V2GN1	MVD-V6X280W / V2GN1	MVD-V6X335W / V2GN1	MVD-V6X400W / V2GN1
Code				CL 23 600	CL 23 601	CL 23 602	CL 23 603
Power supply			Ph, V, Hz	3N-, 400V, 50/60Hz	3N-, 400V, 50/60Hz	3N-, 400V, 50/60Hz	3N-, 400V, 50/60Hz
	Capacity		kW	25.2	28	33.5	40
Cooling (1)	Power consumption		kW	5.3	6.3	8.7	9.9
Cooling (1)	SEER (6)			7.70	7.54	V2GN1 V2GN1 V2G CL 23 601 CL 23 602 CL 23 3N-, 400V, 50/60Hz 3N-, 400V, 50/60Hz 3N-, 400V, 50/60Hz 28 33.5 40 6.3 8.7 9.9 7.54 7.28 6.2 4.45 3.85 4.0 28 33.5 40 5.2 6.6 8.3 4.11 4.51 4.3 5.40 5.10 4.7 25.2/32 26.4/32 33.1 50 - 130 50 - 130 50 - 130 16 20 23 Hitachi Hitachi Hita 1 1 1 5PHDG-D1Y2 AA55PHDG-D1Y2 DC80PHD DC DC DC 1 1 1 11,000 11,000 13,0 0 - 20 0 - 20 0 - 20 20 - 60 20 - 60 20 - 60 227<	6.22
	EER			4.75	4.45		4.05
	Capacity		kW	25.2	28	33.5	40
Heating	Power co	nsumption	kW	4.6	5.2	6.6	8.5
(2)	SCOP (6)			4.11	4.11	4.51	4.31
	COP			5.50	5.40	5.10	4.70
Nominal intensit	y / max.		Α	24 / 32	25.2 / 32	26.4 / 32	33.1 / 40
	Pluggable	e capacity	%	50 - 130	50 - 130	50 - 130	50 - 130
Connectivity	Max. qua	ntity of indoor units	1	13	16	V2GN1 CL 23 602 3N-, 400V, 50/60Hz 33.5 8.7 7.28 3.85 33.5 6.6 4.51 5.10 26.4 / 32 50 - 130 20 Hitachi DC Inverter 1 2 AA55PHDG-D1Y2 DC 1 11,000 0 - 20 20 - 60 60 81 990×1635×790 227 R410A / 2088 11 / 22.97 90 110 1000 15.9 (5/8") 28.6 (1 1/8") 4 × 6 + T / 32 3 × 0,75 (shielded) -5 to 48	23
	Brand			Hitachi	Hitachi	V2GN1 CL 23 602 3N-, 400V, 50/60Hz 33.5 8.7 7.28 3.85 33.5 6.6 4.51 5.10 26.4 / 32 50 - 130 20 Hitachi DC Inverter 1 AA55PHDG-D1Y2 DC 1 11,000 0 - 20 20 - 60 60 81 990×1635×790 227 R410A / 2088 11 / 22.97 90 110 1000 15.9 (5/8") 28.6 (1 1/8") 4 × 6 + T / 32 3 × 0,75 (shielded -5 to 48	Hitachi
	Туре			DC Inverter	DC Inverter	DC Inverter	DC Inverter
Compressor	Number			1	1	1	1
	Model nº 1			AA55PHDG-D1Y2	AA55PHDG-D1Y2	AA55PHDG-D1Y2	DC80PHDG-D1Y2
	Model nº	2				DC Inverter DC II 1 2 AA55PHDG-D1Y2 DC80PH DC II 1 1,000 13	
Туре		De .		DC	DC	DC	DC
	Number			1	1	1	1
Fan	Flow rate		m³/h	11,000	11,000	3N-, 400V, 50/60Hz 33.5 8.7 7.28 3.85 3.85 3.85 3.85 3.85 3.85 3.85 3.8	13,000
	Static	Standard	Pa	0 - 20	0 - 20	0 - 20	0 - 20
	pressure	Adjustable	Pa	20 - 60	20 - 60	20 - 60	20 - 60
Sound pressure	(3)		dB(A)	58	58	60	62
Sound power	, ,,		dB(A)	78	78	81	85
Dimensions (Wi	dth x Heigh	nt x Depth)	mm	990×1635×790	990×1635×790	990x1635x790	1340×1635×850
Weight			kg	227	227	227	277
	Type / PC	Type / PCA		R410A / 2088	R410A / 2088	R410A / 2088	R410A / 2088
Refrigerant	Number kg/TCO			11 / 22.97	11 / 22.97	11 / 22.97	13 / 27.14
	Max. vertical	Outdoor unit upward	m	90	90	90	90
Pipe length		Lower outdoor unit	m	110	110	110	110
	Total		m	1000	1000	90	1000
Connection			12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	
pipes (4)	Gas		mm (inches)	25.4 (1")	` '	33.5 40 6.6 8.5 4.51 4.31 5.10 4.70 26.4 / 32 33.1 / 4 50 - 130 50 - 13 20 23 Hitachi Hitach DC Inverter DC Inverter 1 1 AA55PHDG-D1Y2 DC80PHDG DC DC 1 1 1 11,000 13,00 0 - 20 0 - 20 20 - 60 20 - 6 60 62 81 85 990x1635x790 1340x1633 227 277 R410A / 2088 R410A / 2 11 / 22.97 13 / 27. 90 90 110 110 1000 15.9 (5/8") 15.9 (5/6) 28.6 (1 1/8") 31.8 (1 1 4 x 6 + T / 32 4 x 10 + T 3 x 0,75 (shielded) 3 x 0,75 (shielded)	31.8 (1 1/4")
Electrical	Power wi	ring / ICP	mm²	4 x 6 + T / 32	4 x 6 + T / 32	V2GN1 V2G CL 23 602 CL 23 3N-, 400V, 50/60Hz 3N-, 400V, 50/6 33.5 44 8.7 9. 7.28 6.2 3.85 4.0 6.6 8. 4.51 4.3 5.10 4.3 50 - 130 50 - 20 22 Hitachi Hita DC Inverter DC Inv 1 1 11,000 13,6 0 - 20 0 - 20 - 60 20 - 20 - 60 20 - 20 - 60 20 - 20 - 60 20 - 81 8 90 990x1635x790 1340x16 90 227 27 8 R410A / 2088 R410A 11 / 22.97 13 / 2 90 90 110 11 1000 10 15.9 (5/8") 15.9 (24 x 6 + T / 3	4 x 10 + T / 40
connections (5)	Signal wi		mm²	3 x 0,75 (shielded)	3 x 0,75 (shielded)		3 x 0,75 (shielded
Working temper	_	Cooling	°C	-5 to 48	,	400V, 3N-, 400V, 50/60Hz 28 33.5 3 8.7 54 7.28 45 3.85 28 33.5 20 6.6 11 4.51 40 5.10 2 / 32 26.4 / 32 3 130 50 - 130 6 20 achi Hitachi Everter DC Inverter December 1 1 1 DG-D1Y2 AA55PHDG-D1Y2 DC80 1 1 1 1 DG-D1Y2 AA55PHDG-D1Y2 DC80 1 1 1 1 000 11,000 100 1000 178 81 27 227 27 227 28 8410A / 2088 R4 29.97 11 / 22.97 1 00 90 10 110 000 1000 (1/2") 15.9 (5/8") 1 4 (1") 28.6 (1 1/8") 31 4 x 6 + T / 32 4 x (shielded) 3 x 0,75 (shielded) 3 x 0,0 6 48 -5 to 48	-5 to 48
range	uiui c	Heating	°C	-25 to 24	-25 to 24	-25 to 24	-25 to 24
							20 10 2 1

Notes

- (1) Nominal cooling conditions: indoor 27°C DB, 19°C WB and outdoor 35°C DB, 24°C WB, for a pipe length of 7.5 m 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, for a pipe length of 7.5 m and a height difference of 0 m.
- (3) Sound pressure measured in anechoic chamber at 1 m frontal distance and 1.3m height.
- (4) The specified diameters are for the service valves, this does not mean that the pipe must have this diameter.
- (5) Recommended power wiring for L < 20m should be calculated according to the conditions of each installation.
- (6) Data measured under EUROVENT EN 14825 conditions, at 100% simultaneity with high pressure duct-type indoor units.



TECHNICAL SPECIFICATIONS

Model				MVD-V6X450W / V2GN1	MVD-V6X500W / V2GN1	MVD-V6X560W / V2GN1	MVD-V6X615W / V2GN1
Code				CL 23 604	CL 23 605	CL 23 606	CL 23 607
Power supply			Ph, V, Hz	3N-, 400V, 50/60Hz	3N-, 400V, 50/60Hz	3N-, 400V, 50/60Hz	3N-, 400V, 50/60Hz
	Capacity		kW	45	50	56	61.5
Cooling (1)	Power co	Power consumption		12.0	12.5	15.1	18.4
Cooling (1)	SEER (6)			5.98	6.85	V2GN1 CL 23 606 CL 3N-, 400V, 50/60Hz 56 15.1 6.54 3.70 56 12.7 3.80 4.40 43.9 / 50 43.9 / 50 50 - 130 50 - 130 50 - 130 50 - 130 Cl Cl Cl Cl Cl Cl Cl Cl Cl C	6.35
	EER			3.75	4.00		3.35
	Capacity		kW	45	50	56	61.5
Heating	Power co	nsumption	kW	9.8	10.6	12.7 3.80 4.40 43.9 / 50 50 - 130 33 Hitachi DC Inverter 2 IY2 AA55PHDG-D1Y2 AA IY2 AA55PHDG-D1Y2 AA DC 2	15.0
(2)	SCOP (6)			4.31	3.80	3.80	3.80
	COP			4.60	4.70	56 12.7 3.80 4.40 43.9 / 50 50 - 130 33 Hitachi DC Inverter 2 2AA55PHDG-D1Y2 AA55PHDG-D1Y2 DC 2 17,000 0 - 20 20 - 60 66 88	4.10
Nominal intensit	ty / max.		А	33.1 / 40	40.8 / 50	43.9 / 50	47.9 / 63
	Pluggable	capacity	%	50 - 130	50 - 130	V2GN1 CL 23 606 3N-, 400V, 50/60Hz 56 15.1 6.54 3.70 56 12.7 3.80 4.40 43.9 / 50 50 - 130 33 Hitachi DC Inverter 2 AA55PHDG-D1Y2 DC 2 17,000 0 - 20 20 - 60 66 88 5 1340 x 1635 x 825 348 R410A / 2088 17 / 35.50 90 110 1000 19.1 (3/4") 31.8 (1 1/4") 4 x 10 + T / 50 31 3 x 0,75 (shielded) -5 to 48	50 - 130
Connectivity	Max. qua	ntity of indoor units		26	29		36
	Brand			Hitachi	Hitachi	V2GN1 CL 23 606 3N-, 400V, 50/60Hz 56 15.1 6.54 3.70 56 12.7 3.80 4.40 43.9 / 50 50 - 130 33 Hitachi DC Inverter 2 AA55PHDG-D1Y2 AA55PHDG-D1Y2 DC 2 17,000 0 - 20 20 - 60 66 88 1340 x 1635 x 828 348 R410A / 2088 17 / 35.50 90 110 1000 19.1 (3/4") 31.8 (1 1/4") 4 x 10 + T / 50 3 x 0,75 (shielded)	Hitachi
	Туре			DC Inverter	DC Inverter	DC Inverter	DC Inverter
Compressor	Number			1	2	2	2
	Model nº 1			DC80PHDG-D1Y2	AA55PHDG-D1Y2	AA55PHDG-D1Y2	AA55PHDG-D1Y2
	Model nº	2			AA55PHDG-D1Y2	AA55PHDG-D1Y2	AA55PHDG-D1Y2
Туре				DC	DC	DC	DC
	Number			1	2	2	2
Fan	Flow rate		m³/h	13,000	17,000	17,000	17,000
	Static	Standard	Pa	0 - 20	0 - 20	0 - 20	0 - 20
	pressure	Adjustable	Pa	20 - 60	20 - 60	20 - 60	20 - 60
Sound pressure	(3)		dB(A)	65	65	66	66
Sound power		dB(A)	88	88	88	88	
Dimensions (Wi	dth x Heigh	t x Depth)	mm	1340 x 1635 x 850	1340 x 1635 x 825	1340 x 1635 x 825	1340 x 1635 x 825
Weight			kg	277	348	348	348
	Type / PC	Туре / РСА		R410A / 2088	R410A / 2088	R410A / 2088	R410A / 2088
Refrigerant	Number		kg/TCO ₂ eq	13 / 27.14	17 / 35.50	17 / 35.50	17 / 35.50
	Max.	Outdoor unit upward	m	90	90	90	90
Pipe length	vertical	Lower outdoor unit	m	110	110	110	110
	Total		m	1000	1000	1000	1000
Connection	Liquid r		mm (inches)	15.9 (5/8")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")
pipes (4)	Gas		mm (inches)	31.8 (1 1/4")	31.8 (1 1/4")	17,000 17,000 0 - 20 0 - 20 20 - 60 20 - 6 66 66 88 88 1340 x 1635 x 825 1340 x 163 348 348 R410A / 2088 R410A / 17 / 35.50 17 / 35 90 90 110 110 1000 1000 19.1 (3/4") 19.1 (3	31.8 (1 1/4")
Electrical	Power wir	ring / ICP	mm²	4 x 10 + T / 40	4 x 10 + T / 50	4 x 10 + T / 50	4 x 16 + T / 63
connections (5)	Signal wir	ring	mm²	3 x 0,75 (shielded)	3 x 0,75 (shielded)	3 x 0,75 (shielded)	3 x 0,75 (shielded)
Working temper	ature	Cooling	°C	-5 to 48	-5 to 48	-5 to 48	-5 to 48
range		Heating	°C	-25 to 24	-25 to 24		-25 to 24

Notes:

- (1) Nominal cooling conditions: indoor 27°C DB, 19°C WB and outdoor 35°C DB, 24°C WB, for a pipe length of 7.5 m 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, for a pipe length of 7.5 m and a height difference of 0 m.
- (3) Sound pressure measured in anechoic chamber at 1 m frontal distance and 1.3m height.
- (4) The specified diameters are for the service valves, this does not mean that the pipe must have this diameter.
- (5) Recommended power wiring for L < 20m should be calculated according to the conditions of each installation.
- (6) Data measured under EUROVENT EN 14825 conditions, at 100% simultaneity with high pressure duct-type indoor units.



TECHNICAL SPECIFICATIONS

Model				MVD-V6X670W / V2GN1	MVD-V6X730W / V2GN1	MVD-V6X785W / V2GN1	MVD-V6X850W / V2GN1	MVD-V6X900W / V2GN1		
Code				CL 23 608	CL 23 609	CL 23 610	CL 23 611	CL 23 612		
Power supply			Ph, V, Hz	3N-, 400V, 50/60Hz	3N-, 400V, 50/60Hz	3N-, 400V, 50/60Hz	3N-, 400V, 50/60Hz	3N-, 400V, 50/60Hz		
	Capacity		kW	67	73	78.5	85	90		
0 - 1 (1)	Power consumption		kW	18.1	20.9	24.2	27.4	31.0		
Cooling (1)	SEER (6)			7.00	6.51	V2GN1 CL 23 610 3N-, 400V, 50/60Hz 78.5 24.2 6.22 3.25 78.5 20.7 3.86 3.80 58.7 / 63 50 - 130 46 Hitachi DC Inverter 2 ASSPHDG-D1Y2 DC 2 25,000 0 - 20 20 - 60 68 90 30 x 1830 x 850 430 R410A / 2088 F 22 / 45.94 90 110 1000 22.2 (7/8") 31.8 (1 1/4") 4 x 16 + T / 63 4 3 x 0,75 (shielded) -5 to 48	6.10	5.90		
	EER			3.70	3.49	3.25	3.10	2.90		
	Capacity		kW	67	73	78.5	85	90		
Heating	Power co	nsumption	kW	14.9	17.6	20.7	23.0	25.7		
(2)	SCOP (6)			3.86	3.86	3.25 78.5 20.7 3.86 3.80 58.7 / 63 50 - 130 46 Hitachi DC Inverter 2 AA55PHDG-D1V 2 2 25,000 0 - 20 20 - 60 68 90 1730 x 1830 x 88 430 R410A / 2088	3.84	3.84		
	COP			4.50	4.15		3.70	3.50		
Nominal inten	sity / max.		А	48.4 / 63	52.9 / 63	58.7 / 63	64.9 / 80	66.9 / 80		
0	Pluggable	e capacity	%	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130		
Connectivity	Max. qua	ntity of indoor units		39	43	46	50	53		
	Brand			Hitachi	Hitachi	Hitachi	Hitachi	Hitachi		
	Туре					DC Inverter				
Compressor	Number			2	2	2	2 2			
	Model nº	1		AA55PHDG-D1Y2						
	Model nº	Model nº 2			AA55PHDG-D1Y	2	DC80PHDG-D1Y2			
	Туре	Туре			DC	DC	DC	DC		
	Number			2	2	2	2	2		
Fan	Flow rate		m³/h	25,000	25,000	25,000	24,000	24,000		
	Static	Standard	Pa	0 - 20	0 - 20	0 - 20	0 - 20	0 - 20		
	pressure	Adjustable	Pa	20 - 60	20 - 60	20 - 60	20 - 60	20 - 60		
Sound pressu	re (3)		dB(A)	67	68	68	68	68		
Sound power		dB(A)	89	90	90	90	90			
Dimensions (Width x Height x Depth)		mm	1730 x 1830 x 850		50					
Weight			kg	430	430	430	475	475		
Dellerand	Type / PCA			R410A / 2088	R410A / 2088	R410A / 2088	R410A / 2088	R410A / 2088		
Refrigerant	Number		kg/TCO₂ eq	22 / 45.94	22 / 45.94	22 / 45.94	25 / 52.2	25 / 52.2		
	Max. vertical	Outdoor unit upward	m	90	90	90	90	90		
Pipe length		Lower outdoor unit	m	110	110	110	110	110		
	Total		m	1000	1000	1000	1000	1000		
Connection	Liquid		mm (inches)	19.1 (3/4")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")		
pipes (4)	Gas		mm (inches)	31.8 (1 1/4")	31.8 (1 1/4")	31.8 (1 1/4")	38.1 (1 1/2")	38.1 (1 1/2")		
Electrical	Power wi	ring / ICP	mm²	4 x 16 + T / 63	4 x 16 + T / 63	4 x 16 + T / 63	4 x 25 + T / 80	4 x 25 + T / 80		
connections (5)	Signal wi	ring	mm²	3 x 0,75 (shielded)	3 x 0,75 (shielded)	/	3 x 0,75 (shielded)	3 x 0,75 (shielded)		
Working temp	erature	Cooling	°C	-5 to 48	-5 to 48	-5 to 48	-5 to 48	-5 to 48		
range		Heating	°C	-25 to 24	-25 to 24	-25 to 24	-25 to 24	-25 to 24		

Notes

- (1) Nominal cooling conditions: indoor 27°C DB, 19°C WB and outdoor 35°C DB, 24°C WB, for a pipe length of 7.5 m 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, for a pipe length of 7.5 m and a height difference of 0 m.
- (3) Sound pressure measured in anechoic chamber at 1 m frontal distance and 1.3m height.
- (4) The specified diameters are for the service valves, this does not mean that the pipe must have this diameter.
- (5) Recommended power wiring for L < 20m should be calculated according to the conditions of each installation.
- (6) Data measured under EUROVENT EN 14825 conditions, at 100% simultaneity with high pressure duct-type indoor units.

DATA SHEET

Manuals, catalogues and data sheets: available on our website

MINI MVD V6X SERIES



COMBINATIONS

Capacity		Combination	Named an of Park Hallada		
kW	HP	HP	Number of Ext. Units's	Max. quantity of Int. units's	
25.2	8	8	1	13	
28	10	10	1	16	
33.5	12	12	1	20	
40	14	14	1	23	
45	16	16	1	26	
50	18	18	1	29	
56	20	20	1	33	
51.5	22	22	1	36	
67	24	24	1	39	
73	26	26	1	43	
78.5	28	28	1	46	
85	30	30	1	50	
90	32	32	1	53	
95	34	12+22	2	56	
101.5	36	14+22	2	59	
106.5	38	16+22	2	63	
112	40	12+28	2	64	
117.5	42	20+22	2	64	
123	44	22+22	2	64	
128.5	46	22+24	2	64	
134.5	48	22+26	2	64	
140	50	22+28	2	64	
146	52	26+26	2	64	
151.5	54	26+28	2	64	
157	56	28+28	2	64	
163.5	58	28+30	2	64	
168.5	60	28+32	2	64	
175	62	30+32	2	64	
180	64	32+32	2	64	
185	66	12+22+32	3	64	
191.5	68	14+22+32	3	64	
196.5	70	16+22+32	3	64	
202	72	12+28+32	3	64	
207.5	74	20+22+32	3	64	
213	76	22+22+32	3	64	
218.5	78	22+24+32	3	64	
224.5	80	22+26+32	3	64	
230	82	22+28+32	3	64	
236	84	26+26+32	3	64	
241.5	86	26+28+32	3	64	
247	88	28+28+32	3	64	
253.5	90	28+30+32	3	64	
258.5	92	28+28+32	3	64	
265	94	30+32+32	3	64	
270	96	32+32+32	3	64	

Note:

- (1) In systems consisting of several modules, the power wiring and the electrical protections must be recalculated for each module .
- (2) Standard combinations, any other combination is possible (max. 3 units).
- (3) In systems formed by 2 modules, it is necessary to acquire the external unit distributor FQZHW-02N1E or if it is formed by 3 modules, the FQZHW-03N1E.