

MITSUBISHI HEAVY INDUSTRIES

FDE100VNXPVH

10.0 KW



Unitate interna : FDE50VH-x-2



Unitate externa : FDC100VNX

Specificații tehnice

Unitate internă				FDE50VH x 2
Unitate externă				FDC100VNX
Sursă de alimentare				Monofazic 220-240V, 50Hz / 220V, 60Hz
Capacitate nominală de răcire (Min-Max)			kW	10.0 (4.0 ~ 11.2)
Capacitate nominală de încălzire (Min-Max)			kW	11.2 (4.0 ~ 12.5)
Power Consumption		Răcire/Încălzire	kW	3.00 / 3.39
EER/COP		Răcire/Încălzire	kW	3.33 / 3.30
Curent de intrare			A	5
Max. current			A	24
Nivel putere sonoră*[1]	U.I.*[3]	Răcire/Încălzire		60 / 60
	U.E.	Răcire/Încălzire		70 / 70
Nivel presiune sonoră*[1]	U.I.*[3]	Răcire (P-Hi/Hi/Me/Lo)	dB(A)	46 / 38 / 36 / 31
		Încălzire (P-Hi/Hi/Me/Lo)		46 / 38 / 36 / 31
	U.E.	Răcire/Încălzire		48 / 50
Flux de aer	U.I.*[3]	Răcire (P-Hi/Hi/Me/Lo)		13 / 10 / 9 / 7
		Încălzire (P-Hi/Hi/Me/Lo)	m^3/min	13 / 10 / 9 / 7
	U.E.	Răcire/Încălzire		100 / 100
Exterior dimensions	U.I.	HeightxWidthxDepth	mm	210 x 1,070 x 690
	U.E.		mm	1,300 x 970 x 370
Greutate netă		U.I./U.E.	kg	28 / 105
Refrigerant charge			kg/TCO_2E_q	4.5/9.396
Refrigerant Type GWP				R410A/2088
Ref.piping size	Lichid/Gaz		Ã¸mm	9.52(3/8") / 15.88(5/8")
Lungime țeavă refrigerant (o direcție)			m	Max. 100
Diferență de nivel suportată		Unitate externă este mai sus/mai jos	m	Max.30 / Max.15
Interval de funcționare - temperatură exterioară		Răcire*[2]	°C	-15~43
		Încălzire	°C	-20~20
Filtru de aer, cantitate				Pocket plastic net x 2(lavabil)
Telecomandă (opțional)				Cu fir:RC-EX3A, RC-E5, RCH-E3 Wireless:RCN-E-E3
Clasa Energetică (Răcire/Încălzire)				A/A
SEER				5.53
SCOP (Climat temperat)				3.94
Pdesign (răcire/încălzire(@-10°C))				10.0/10.8
Annual Electricity Consumption				634/3840
Performanța pe modul încălzire				Climat temperat

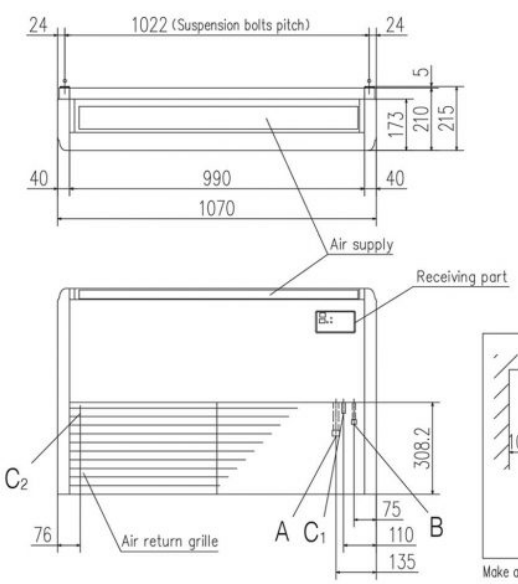
Datorită politicii de continuă îmbunătățire a produselor, ne rezervăm dreptul de a modifica specificațiile tehnice fără nicio notificare prealabilă.

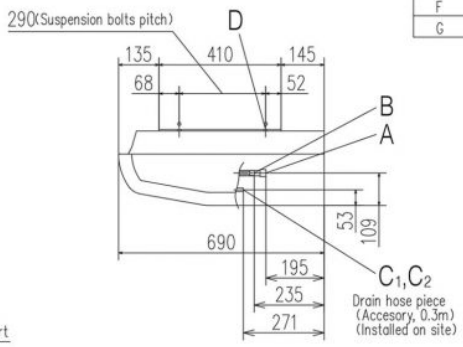
Schema tehnică
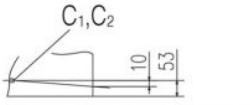
Models FDE40VH, 50VH

Symbol	Content	
A	Gas piping	ϕ12.7 (1/2") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)
C 1,2	Drain piping	VP20 (I.D.20, O.D.26)
D	Hole for suspension bolts	(M10 or M8)
E	Back cutout	PE cover
F	Top cutout	Plate cover
G	Drain piping (for left back)	(Knock out)

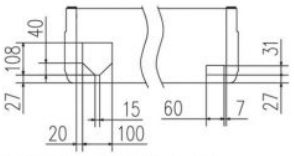
Note (1) The model name label is attached on the fan casing inside the air return grille.



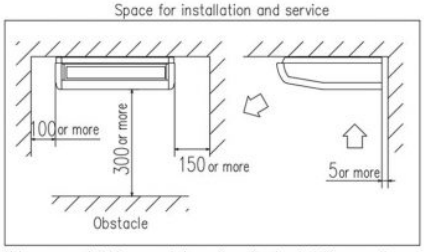




Note) The slope of drain piping inside the unit must take decline of 10mm.

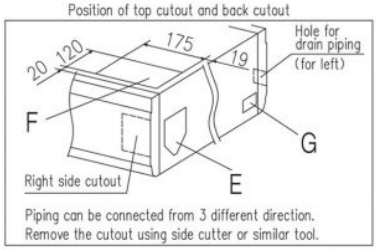


Space for installation and service



Make a space of 4000 or more between the units when installing more than one.

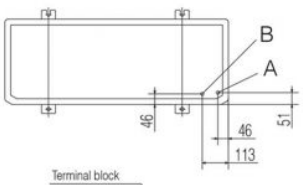
Position of top cutout and back cutout



Piping can be connected from 3 different direction.
Remove the cutout using side cutter or similar tool.

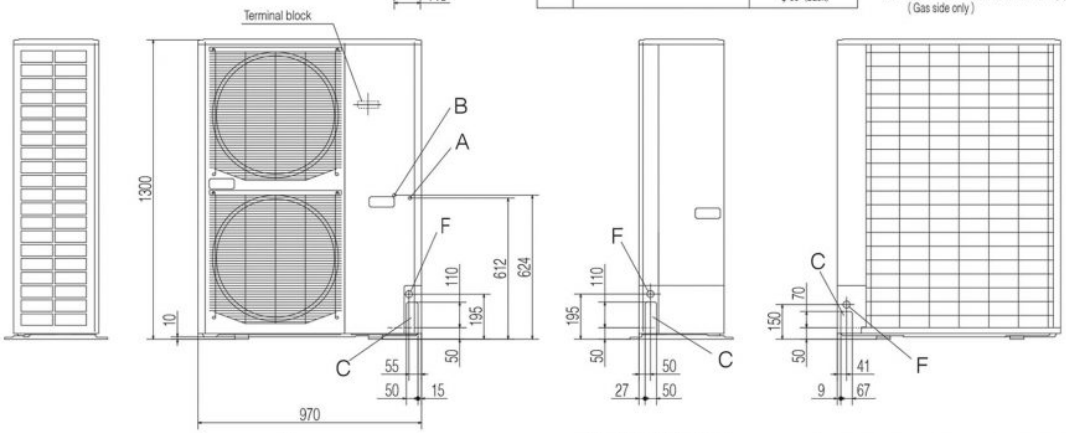
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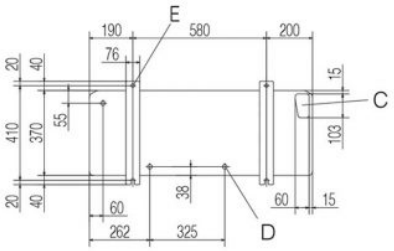
FDC100VNX, 100VSX, 125VNX, 125VSX, 140VNX, 140VSX

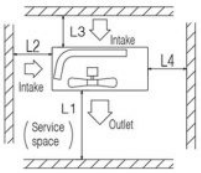


Symbol	Content	
A	Service valve connection of the attached connecting pipe (gas side)	ϕ 15.88 (5/8") (Flare)
B	Service valve connection (liquid side)	ϕ 9.52 (3/8") (Flare)
C	Pipe / cable draw-out hole	
D	Drain discharge hole	ϕ 20 × 3places
E	Anchor bolt hole	M10 × 4places
F	Cable draw-out hole	ϕ 30 (front) ϕ 45 (side) ϕ 50 (back)

Notes
(1) It must not be surrounded by walls on the four sides.
(2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
(3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
(4) Leave 1m or more space above the unit.
(5) A wall in front of the blower outlet must not exceed the units height.
(6) The model name label is attached on the lower right corner of the front panel.
(7) Connect the Service valve with local pipe by using the pipe of the attachment. (Gas side only)







Minimum installation space

Examples of installation / Dimensions	I	II	III
L1	Open	Open	500
L2	300	5	Open
L3	150	300	150
L4	5	5	5

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