

MITSUBISHI HEAVY INDUSTRIES

FDUM100VSXVH

10.0 KW



Unitate interna : FDUM100VH



Unitate externa : FDC100VSX

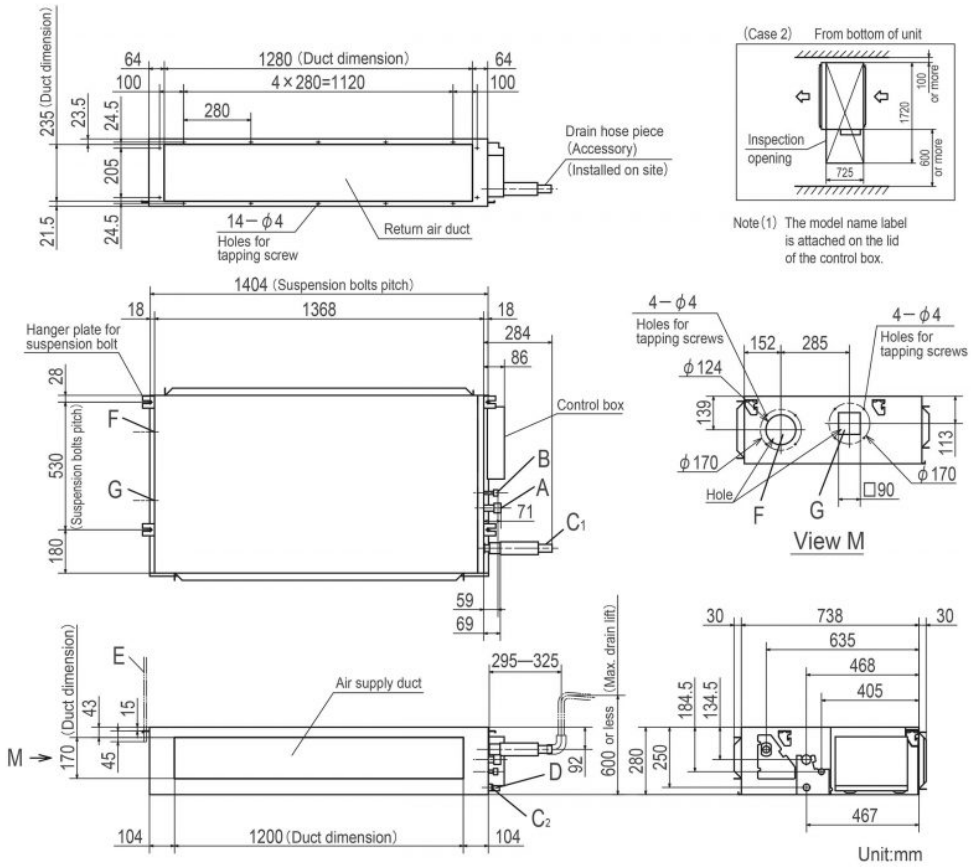
Specificații tehnice

Unitate internă				FDUM100VH
Unitate externă				FDC100VSX
Sursă de alimentare				Trifazic 380-415V, 50Hz / 380V, 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 ~ 16.0)
Consum de energie		Răcire/Încălzire	kW	2.68 / 3.02
EER/COP		Răcire/Încălzire		3.73 / 3.71
Curent de intrare			A	5
Amperaj maxim			A	15
Nivel putere sonoră*[1]	U.I. *[3]	Răcire/Încălzire	dB(A)	65 / 65
	U.E.	Răcire/Încălzire		70 / 70
Nivel presiune sonoră*[1]	U.I. *[3]	Răcire (Hi/Me/Lo/Ulo)		44 / 38 / 36 / 30
		Încălzire (Hi/Me/Lo/Ulo)		44 / 38 / 36 / 30
	U.E.	Răcire/Încălzire		48 / 50
Flux de aer	U.I. *[3]	Răcire (Hi/Me/Lo/Ulo)	m^3/min	36 / 28 / 25 / 19
		Încălzire (Hi/Me/Lo/Ulo)		36 / 28 / 25 / 19
	U.E.	Răcire/Încălzire		100 / 100
Presiune statică externă disponibilă			Pa	Standard:60 Max:100
Dimensiuni exterioare	U.I.	Înălțime / Lățime / Adâncime	mm	280 x 1,370 x 740
	U.E.			1,300 x 970 x 370
Greutate netă	U.I. / U.E.		kg	54 / 105
Refrigerant		Tip/GWP		R410A/2088
Refrigerant		Încărcare	kg/TCO2Eq	4.5/9.396
Dimensiuni țeavă refrigerant		Lichid/Gaz	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		-20~20
Filtru de aer (cantitate)				(Opțional) Kit filtru : UM-FL3EF
Telecomandă (opțional)				Cu fir:RC-EX3A, RC-E5, RCH-E3 Wireless:RCN-KIT4-E2
Clasa Energetică (Răcire/Încălzire)				A/A+
SEER				5.19
SCOP (Climat temperat)				4.10
Pdesign (răcire/încălzire(@-10°C))			kW	10.0/13.0
Consumul anual de electricitate (răcire/încălzire)			kWh/a	675/4444
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 FDUM100VH,125VH,140VH



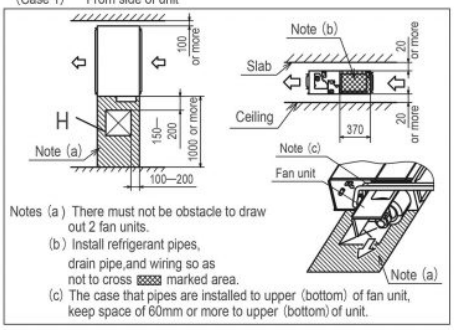
Note (1) The model name label is attached on the lid of the control box.

Symbol	Content	
A	Gas piping	φ15.88 (5/8") (Flare)
B	Liquid piping	φ9.52 (3/8") (Flare)
C1	Drain piping	VP25 (O.D.32)
C2	Drain piping (Gravity drainage)	VP20
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Outside air opening for ducting	(φ150) (Knock out)
G	Air outlet opening for ducting	(φ125) (Knock out)
H	Inspection opening	(450×450)

Space for installation and service

Select either of two cases to keep space for installation and services.

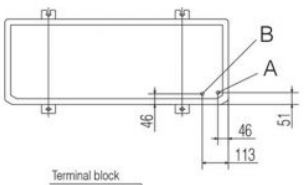
(Case 1) From side of unit



Notes (a) There must not be obstacle to draw out 2 fan units.
(b) Install refrigerant pipes, drain pipe, and wiring so as not to cross ▨ marked area.
(c) The case that pipes are installed to upper (bottom) of fan unit, keep space of 60mm or more to upper (bottom) of unit.

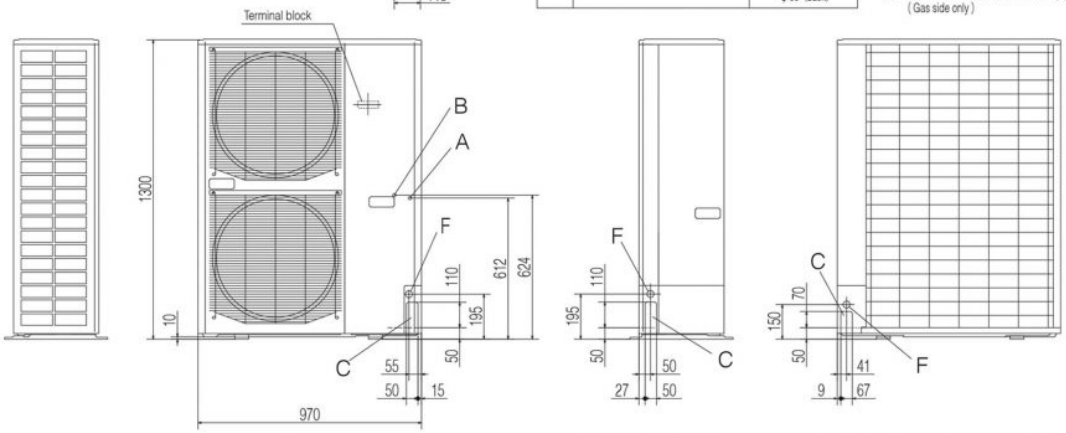
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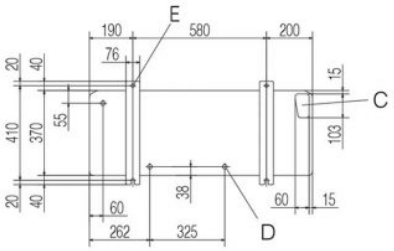
FDC100VNX, 100VSX, 125VNX, 125VSX, 140VNX, 140VSX

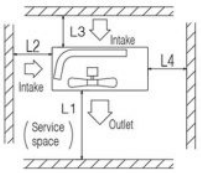


Symbol	Content	
A	Service valve connection of the attached connecting pipe (gas side)	ϕ 15.88 (5/8") (Flare)
B	Service valve connection (liquid side)	ϕ 9.52 (3/8") (Flare)
C	Pipe / cable draw-out hole	
D	Drain discharge hole	ϕ 20 × 3places
E	Anchor bolt hole	M10 × 4places
F	Cable draw-out hole	ϕ 30 (front)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