



## FDE140VSPVH

14.0 ( 5.0 ~ 16.0 )

Indoor Unit : FDE71VH x 2

Outdoor Unit : FDC140VSX

### Specifications



Indoor unit		FDE71VH x 2		
Outdoor unit		FDC140VSX		
Power source		3 Phase 380-415V, 50Hz / 380V, 60Hz		
Nominal cooling capacity (Min-Max)		kW	14.0 ( 5.0 ~ 16.0 )	
Nominal heating capacity (Min-Max)		kW	16.0 ( 4.0 ~ 20.0 )	
Power Consumption		Cooling/Heating	kW	4.67 / 4.58
EER/COP		Cooling/Heating	kW	3.00 / 3.49
Inrush current			A	5
Max. current			A	15
Sound power level* <sup>1</sup>	Indoor* <sup>3</sup>	Cooling/Heating	dB(A)	60 / 60
	Outdoor	Sound power level	dB(A)	72 / 72
Sound pressure level* <sup>1</sup>	Indoor* <sup>3</sup>	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	47 / 41 / 37 / 32
	Indoor	Heating (P-Hi/Hi/Me/Lo)	dB(A)	47 / 41 / 37 / 32
	Outdoor	Cooling/Heating	dB(A)	49 / 52
Air flow	Indoor* <sup>3</sup>	Cooling (P-Hi/Hi/Me/Lo)	m <sup>3</sup> /min	20 / 16 / 13 / 10
	Indoor	Heating (P-Hi/Hi/Me/Lo)	m <sup>3</sup> /min	20 / 16 / 13 / 10
	Outdoor	Cooling/Heating	m <sup>3</sup> /min	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDensity	mm	210 x 1,320 x 690
	Outdoor		mm	1,300 x 970 x 370
Net weight		Indoor/Outdoor	kg	33 / 105
Refrigerant Type GWP		R410A/2088		
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")	
Refrigerant line (one way) length		m	Max. 100	
Vertical height differences		Outdoor is higher/lower	m	Max.30 / Max.15
Outdoor operating temperature range	Cooling* <sup>2</sup>		°C	-15~43
	Heating		°C	-20~20
Air filter, Q'ty		Pocket plastic net x 2(Washable)		
Remote control (option)		wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3		

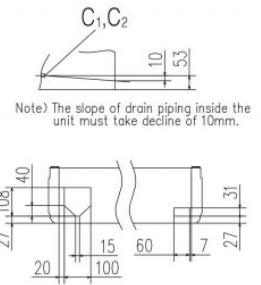
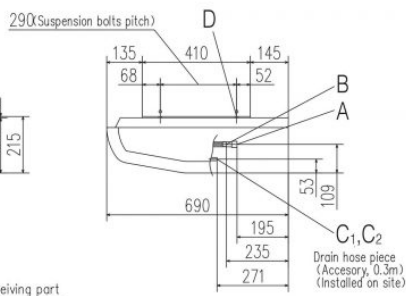
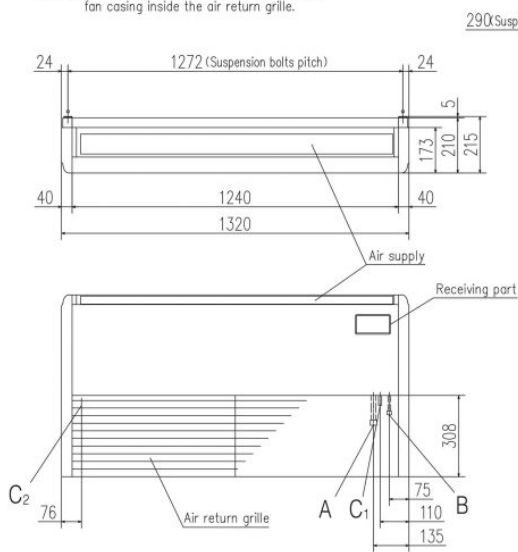
The data is measured under the following conditions (ISO-T1, -H1).

Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

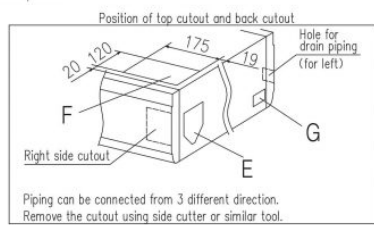
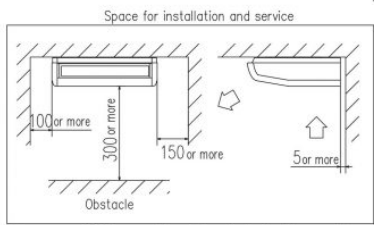
- : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions
- : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind, if wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down

# Schematics

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

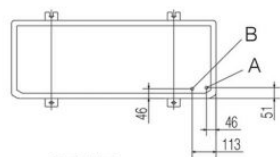


Symbol	Model	Content	
		FDE60	FDE71
A	Gas piping	φ12.7 (1/2") (Flare)	φ15.88 (5/8") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	φ9.52 (3/8") (Flare)
C1,2	Drain piping	VP20 (I.D.20, O.D.26)	
D	Hole for suspension bolts	φM10 or M8	
E	Back cutout	PE cover	
F	Top cutout	Plate cover	
G	Hole for drain piping (for left back)	(Knock out)	



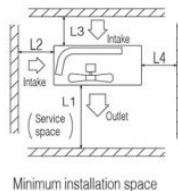
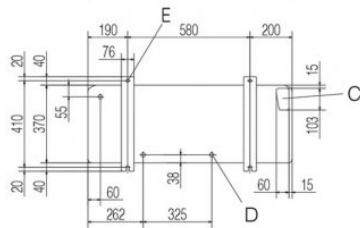
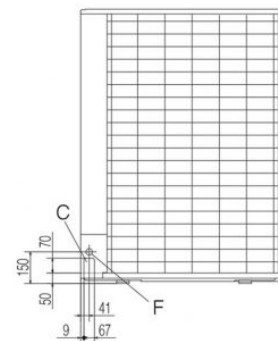
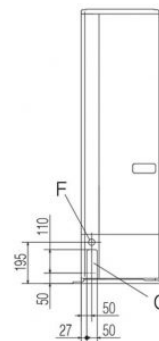
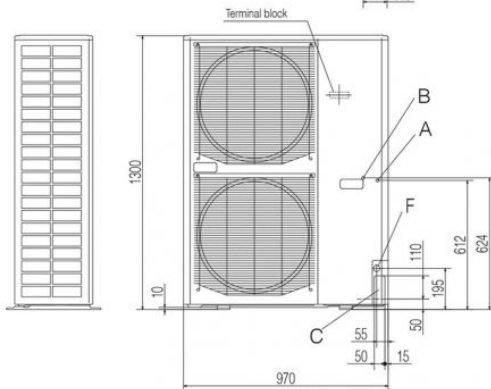
Make a space of 4500 or more between the units when installing more than one.

## FDC100VNX, 100VXSX, 125VNX, 125VXSX, 140VNX, 140VXSX



Symbol	Content
A	Service valve connection of the attached connecting pipe (gas side) φ15.88 (5/8") (Flare)
B	Service valve connection (liquid side) φ9.52 (3/8") (Flare)
C	Pipe / cable draw-out hole φ20 x 4places
D	Drain discharge hole φ30 (front)
E	Anchor bolt hole φ45 (side) φ50 (back)
F	Cable draw-out hole

- 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 )



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