



FDUM140VSPVH

14.0 (5.0 ~ 16.0)

Indoor Unit : FDUM71VH x 2

Outdoor Unit : FDC140VSX

Specifications

R410A

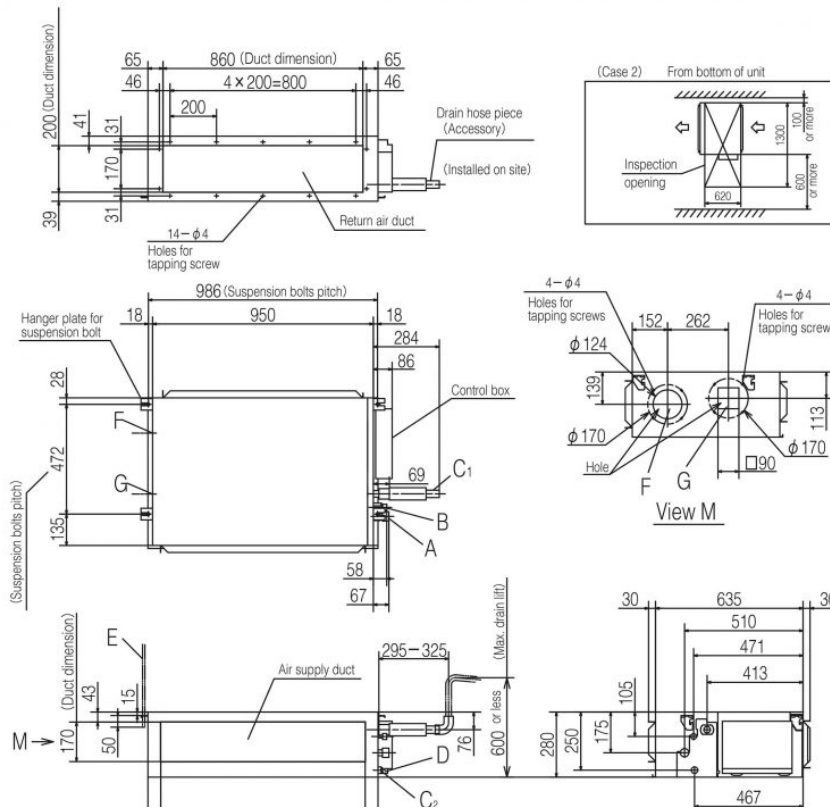
Indoor unit		FDUM71VH x 2	
Outdoor unit		FDC140VSX	
Power source		3 Phase 380-415V, 50Hz / 380V, 60Hz	
Nominal cooling capacity (Min-Max)		kW	14.0 (5.0 ~ 16.0)
Nominal heating capacity (Min-Max)		kW	16.0 (4.0 ~ 20.0)
Power Consumption		Cooling/Heating	kW 4.36 / 4.35
EER/COP		Cooling/Heating	kW 3.21 / 3.68
Inrush current		A	5
Max. current		A	15
Sound power level* ¹	Indoor* ³	Cooling/Heating	dB(A) 65 / 65
	Outdoor	Sound power level	dB(A) 72 / 72
Sound pressure level* ¹	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	dB(A) 38 / 33 / 29 / 25
	Indoor	Heating (P-Hi/Hi/Me/Lo)	dB(A) 38 / 33 / 29 / 25
	Outdoor	Cooling/Heating	dB(A) 49 / 52
Air flow	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	m ³ /min 24 / 19 / 15 / 10
	Indoor	Heating (P-Hi/Hi/Me/Lo)	m ³ /min 24 / 19 / 15 / 10
	Outdoor	Cooling/Heating	m ³ /min 100 / 100
External static pressure* ²		Pa	Standard:35 Max:100
Exterior dimensions	Indoor	HeightxWidthxDPTH	mm 280 x 950 x 635
	Outdoor		mm 1,300 x 970 x 370
Net weight		Indoor/Outdoor	kg 34 / 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* ²		°C -15~43
	Heating		°C -20~20
Air filter, Q'ty		(Option) Filter kit : UM-FL2EF	
Remote control (option)		wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-KIT4-E2	

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

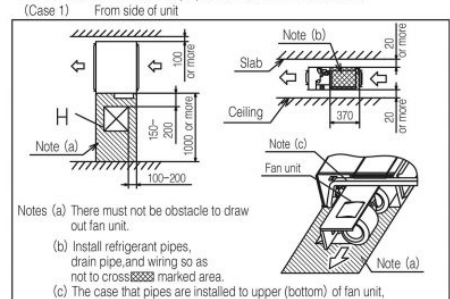


Symbol	Model	Content
	60	71
A	Gas piping	φ 12.7 (1/2") (Flare) φ 15.88 (5/8") (Flare)
B	Liquid piping	φ 6.35 (1/4") (Flare) φ 9.52 (3/8") (Flare)
C1	Drain piping	VP25 (O.D.32)
C2	Drain piping (Gravity drainage)	VP20
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Outside air opening for ducting	(φ 150) (Knock out)
G	Air outlet opening for ducting	(φ 125) (Knock out)
H	Inspection opening	(450×450)

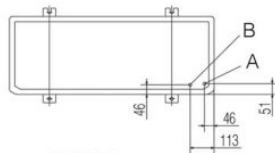
Note (1) The model name label is attached on the lid of the control box.

Space for installation and service

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



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



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 x 3places
E	Anchor bolt hole M10 x 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)

