



## FDUM140VNAPVH

13.6 ( 5.0 ~ 14.5 )

Indoor Unit : FDUM71VH x 2

Outdoor Unit : FDC140VNA

### Specifications



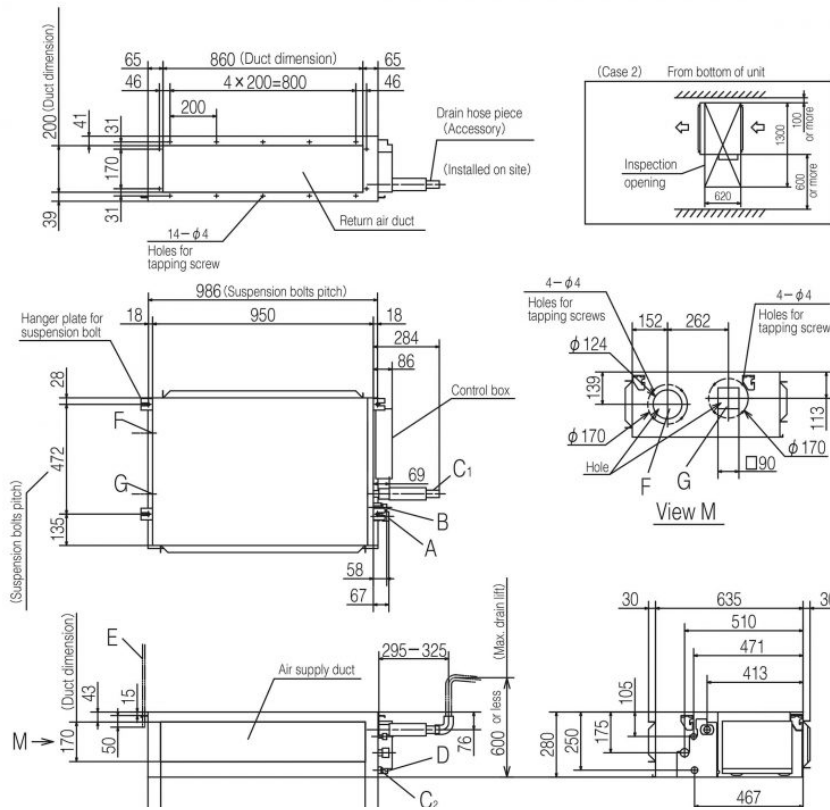
Indoor unit			FDUM71VH x 2	
Outdoor unit			FDC140VNA	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz	
Nominal cooling capacity (Min-Max)		kW	13.6 ( 5.0 ~ 14.5 )	
Nominal heating capacity (Min-Max)		kW	15.5 ( 4.0 ~ 16.5 )	
Power Consumption		Cooling/Heating	kW	5.02 / 4.20
EER/COP		Cooling/Heating	kW	2.71 / 3.69
Inrush current			A	5
Max. current			A	27
Sound power level* <sup>1</sup>	Indoor* <sup>3</sup>	Cooling/Heating	dB(A)	65 / 65
	Outdoor	Sound power level	dB(A)	73 / 73
Sound pressure level* <sup>1</sup>	Indoor* <sup>3</sup>	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)	57 / 59
Air flow	Indoor* <sup>3</sup>	Cooling (P-Hi/Hi/Me/Lo)	m <sup>3</sup> /min	24 / 19 / 15 / 10
	Indoor	Heating (P-Hi/Hi/Me/Lo)	m <sup>3</sup> /min	24 / 19 / 15 / 10
	Outdoor	Cooling/Heating	m <sup>3</sup> /min	75 / 73
External static pressure* <sup>2</sup>			Pa	Standard:35 Max:100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	280 x 950 x 635
	Outdoor		mm	845 x 970 x 370
Net weight		Indoor/Outdoor	kg	34 / 80
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.50
Vertical height differences		Outdoor is higher/lower	m	Max.50 / Max.15
Outdoor operating temperature range	Cooling* <sup>2</sup>		°C	-15~50
	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



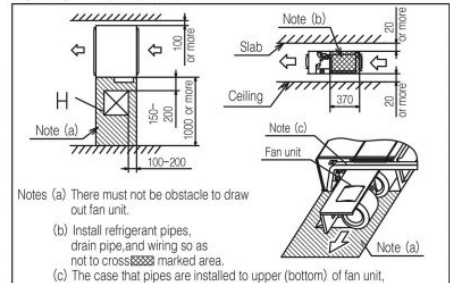
Symbol	Model	Content
	60	71
A	Gas piping	φ12.7 (1/2") (Flare) φ15.88 (5/8") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare) φ9.52 (3/8") (Flare)
C1	Drain piping	VP25 (O.D.32)
C2	Drain piping (Gravity drainage)	VP20
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Outside air opening for ducting	(φ150) (Knock out)
G	Air outlet opening for ducting	(φ125) (Knock out)
H	Inspection opening	(450×450)

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.

(Case 1) From side of unit

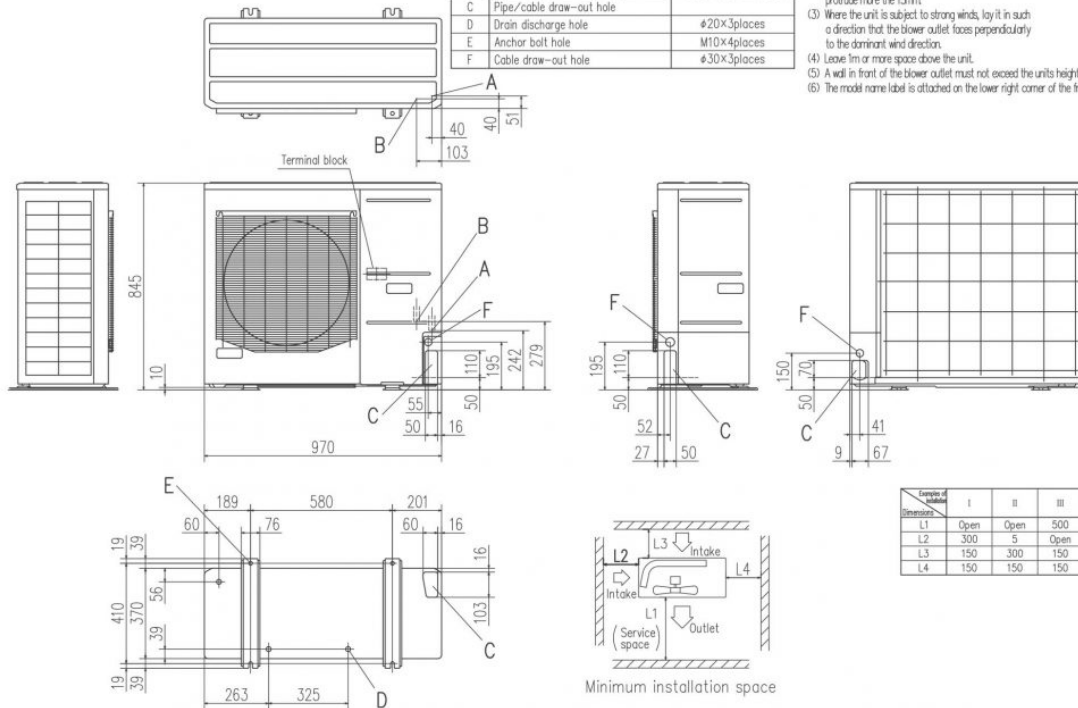


FDC100VNA, 125VNA, 140VNA  
100VSA, 125VSA, 140VSA

Symbol	Content
A	Service valve connection (gas side) φ15.88 (5/8") (Flare)
B	Service valve connection (liquid side) φ9.52 (3/8") (Flare)
C	Pipe/cable draw-out hole φ20×3places
D	Drain discharge hole φ20×3places
E	Anchor bolt hole M10×4places
F	Cable draw-out hole φ30×3places

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 unit's height.
- (6) The model name label is attached on the lower right corner of the front panel.



Layer of building	I	II	III
L1	Open	Open	500
L2	300	5	Open
L3	150	300	150
L4	150	150	150