



FDT140VNXWPVH

14.0 (3.5 ~ 16.0)

Indoor Unit : FDT71VH x 2

Outdoor Unit : FDC140VNX-W

Specifications

R32

Indoor unit		FDT71VH x 2	
Outdoor unit		FDC140VNX-W	
Power source		1 Phase 220-240V, 50Hz / 220V, 60Hz	
Nominal cooling capacity (Min-Max)		kW	14.0 (3.5 ~ 16.0)
Nominal heating capacity (Min-Max)		kW	16.0 (2.7 ~ 18.0)
Power Consumption		Cooling/Heating kW	3.44 / 3.64
EER/COP		Cooling/Heating kW	4.07 / 4.40
Inrush current		A	5
Max. current		A	27
Sound power level*1	Indoor*3	Cooling/Heating	dB(A) 59 / 60
	Outdoor	Sound power level	dB(A) 69 / 71
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	dB(A) 46 / 34 / 31 / 26
	Indoor	Heating (P-Hi/Hi/Me/Lo)	dB(A) 46 / 34 / 31 / 26
	Outdoor	Cooling/Heating	dB(A) 54 / 54
Air flow	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	m ³ /min 28 / 18 / 15 / 12
	Indoor	Heating (P-Hi/Hi/Me/Lo)	m ³ /min 28 / 18 / 15 / 12
	Outdoor	Cooling/Heating	m ³ /min 100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm Unit: 236 x 840 x 840 Panel: 35 x 950 x 950
	Outdoor		mm 1,300 x 970 x 370
Net weight		Indoor/Outdoor	kg 26(Unit:21 Standard Panel:5) / 97
Refrigerant Type GWP		R32/675	
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.50 / Max.15
Outdoor operating temperature range		Cooling*2	°C -15~43
		Heating	°C -20~20
Panel		White: T-PSA-5BW-E, T-PSAE-5BW-E / Black: T-PSA-5BB-E, T-PSAE-5BB-E	
Air filter, Q'ty		Pocket plastic net x 1(Washable)	
Remote control (option)		wired: RC-EX3A, RC-E5, RCH-E3 wireless: RCN-T-5BW-E2, RCN-T-5BB-E2	

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

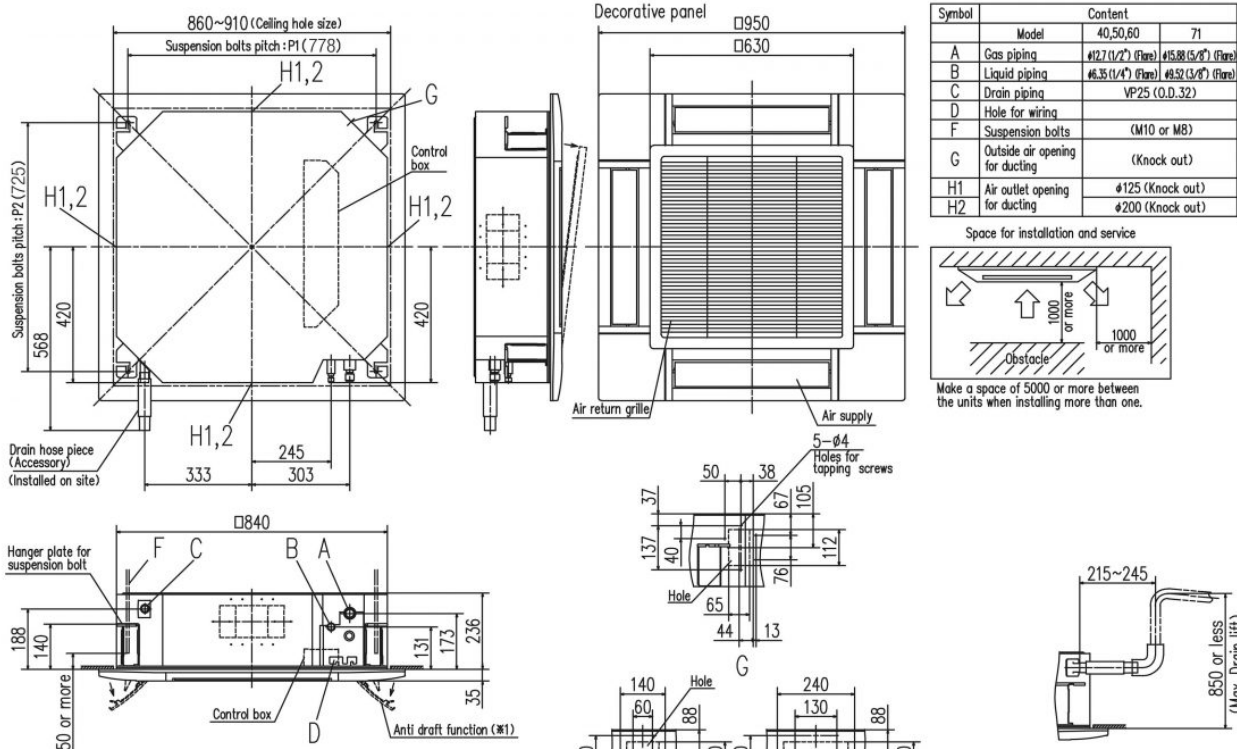
Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

*1: Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions

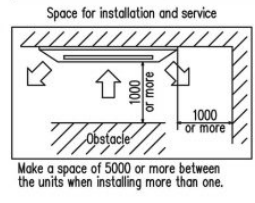
*2: If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind, if wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down

*3: The values are for one indoor unit operation. (Multi system only)

Schematics



Symbol	Model	40,50,60	71
A	Gas piping	φ127(1/2") (Flare)	φ158(5/8") (Flare)
B	Liquid piping	φ6.35(1/4") (Flare)	φ9.52(3/8") (Flare)
C	Drain piping	VP25 (O.D.32)	
D	Hole for wiring		
F	Suspension bolts	(M10 or M8)	
G	Outside air opening for ducting	(Knock out)	
H1	Air outlet opening for ducting	φ125 (Knock out)	
H2		φ200 (Knock out)	

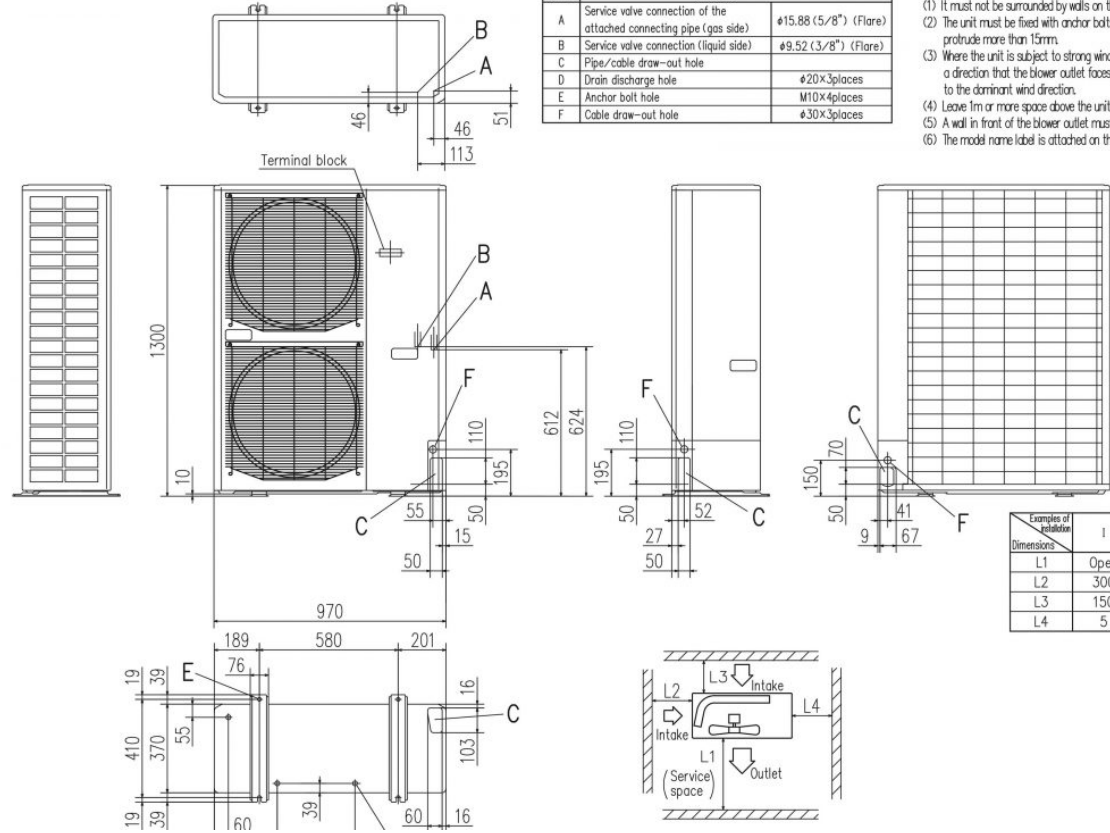


- Notes (1) The model name label is attached to the control box lid.
 (2) Suspension bolt pitch P1,P2 is adjustable by a pattern of the right table.
 (3) Section 1 (※1) is provided on the panel

Symbol	P1	P2
1	770	725~770
2	770~800	725

Symbol	Content
A	Service valve connection of the attached connecting pipe (gas side)
B	Service valve connection (liquid side)
C	Pipe/cable draw-out hole
D	Drain discharge hole
E	Anchor bolt hole
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.



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