



FDU71VNPVH

7.1 (1.4 ~ 7.1)

Indoor Unit : FDU71VH

Outdoor Unit : FDC71VNP

Specifications



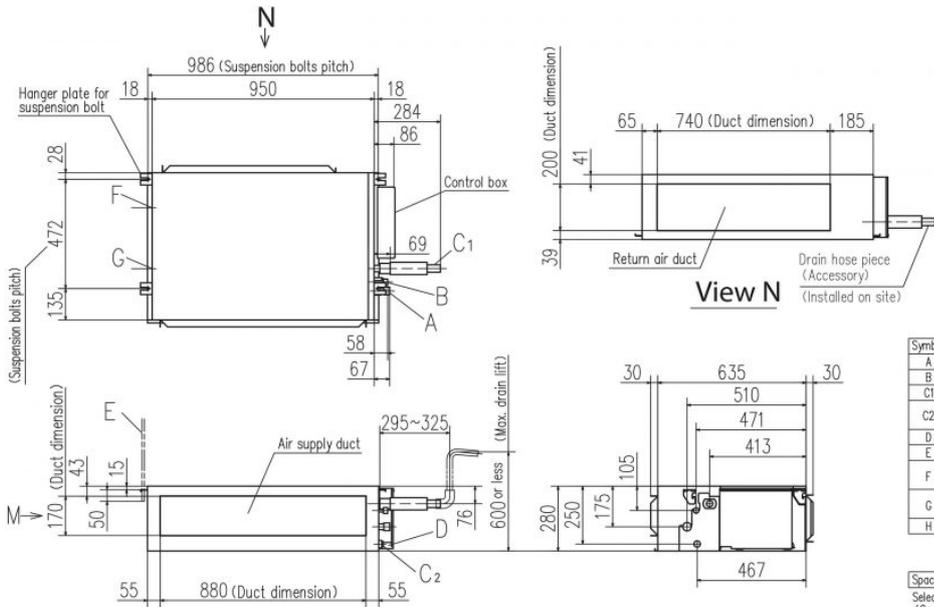
Indoor unit			FDU71VH	
Outdoor unit			FDC71VNP	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz	
Nominal cooling capacity (Min~Max)		kW	7.1 (1.4 ~ 7.1)	
Nominal heating capacity (Min~Max)		kW	7.1 (1.0 ~ 7.1)	
Power consumption		Cooling/Heating	kW	2.60 / 1.89
EER/COP		Cooling/Heating		2.73 / 3.76
Inrush current			A	5
Max. running current			A	14.5
Sound power level* ¹	Indoor * ³	Cooling/Heating	dB(A)	65 / 65
	Outdoor	Cooling/Heating		67 / 67
Sound pressure level* ¹	Indoor * ³	Cooling (Hi/Me/Lo/Ulo)		38 / 33 / 29 / 25
		Heating (Hi/Me/Lo/Ulo)		38 / 33 / 29 / 25
	Outdoor	Cooling/Heating	54 / 54	
Air flow	Indoor * ³	Cooling (Hi/Me/Lo/Ulo)	m ³ /min	24 / 19 / 15 / 10
		Heating (Hi/Me/Lo/Ulo)		24 / 19 / 15 / 10
	Outdoor	Cooling/Heating	36 / 36	
Available external static pressure			Pa	Standard:35 Max:200
Exterior Dimensions	Indoor	Height x Width x Depth	mm	280 x 950 x 635
	Outdoor			640 x 800(+71) x 290
Net weight	Indoor / Outdoor		kg	34 / 45
Refrigerant		Type/GWP	R410A/2088	
Refrigerant		Charge	kg/TCO ₂ Eq	1.6/3.341
Refrigerant piping size		Liquid/Gas	ø mm	6.35(1/4") / 12.7(1/2")
Refrigerant line (one way) length			m	Max.30
Vertical height differences		Outdoor is higher/lower	m	Max.20 / Max.20
Outdoor operating temperature range	Cooling* ²		°C	-15~46
	Heating			-15~20
Air filter quantity			Procure locally	
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-KIT4-E2	
Energy Class (Cooling/Heating)			A+/A+	
SEER			5.73	
SCOP (Average climate)			4.00	
Pdesign (cooling/heating(@-10°C))		kW	7.1/5.7	
Annual Electricity Consumption (cooling/heating)		kWh/a	434/1997	
Designated Heating Season			Average	

The data is measured under the following conditions (R32 : ISO-T1, -H1 /, R410A : 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.

- : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
- : External static pressure is changeable to be set by the remote control. MAX external static pressure is "High static pressure" setting. The values of sound pressure level become 5dB(A) higher at external static pressure of 200Pa
- : 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.

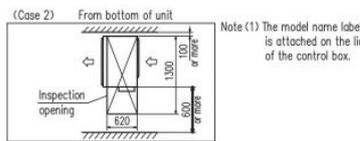
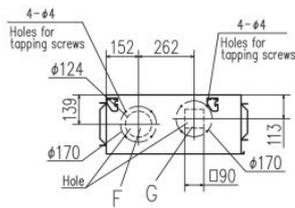
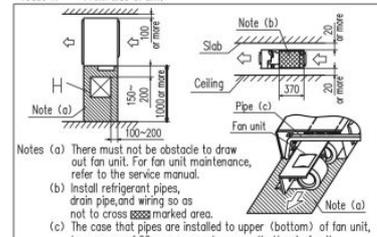
Schematics



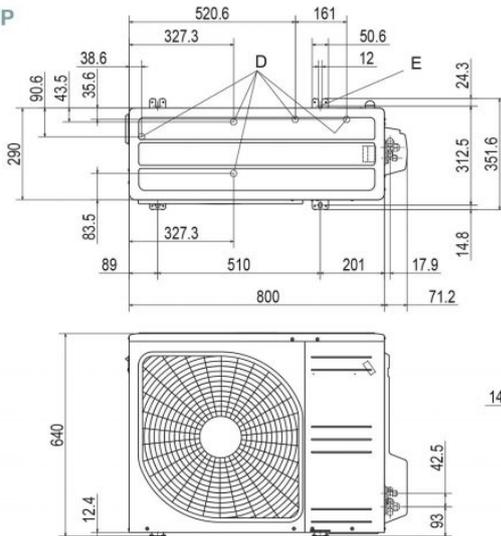
Symbol	Content
A	Gas piping $\phi 15.88$ (5/8") (Flare)
B	Liquid piping $\phi 9.52$ (3/8") (Flare)
C1	Drain piping VP25 (0.0.32)
C2	Drain piping (Gravity drainage) VP20
D	Hole for wiring
E	Suspension bolts M10
F	Outside air opening for ducting (Knock out)
G	Air outlet opening for ducting (Knock out)
H	Inspection opening (450X450)

Space for installation and service

Select either of two cases to keep space for installation and services.
(Case 1) From side of unit



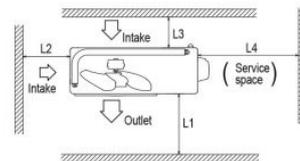
FDC71VNP



Symbol	Content
A	Service valve connection (gas side) $\phi 12.7$ (1/2") (Flare)
B	Service valve connection (liquid side) $\phi 6.35$ (1/4") (Flare)
C	Pipe/cable draw-out hole
D	Drain discharge hole $\phi 20 \times 5$ places
E	Anchor bolt hole M10 \times 4 places

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.



Minimum installation space

Examples of installation	I	II	III	IV
Dimensions				
L1	Open	280	280	180
L2	100	75	Open	Open
L3	100	80	80	80
L4	250	Open	250	Open