MITSUBISHI HEAVY INDUSTRIES AIR CONDITIONING EUROPE

FDT200VSAPVH

19.0 (5.2 ~ 22.4)

Indoor Unit : FDT100VH x 2

Outdoor Unit : FDC200VSA

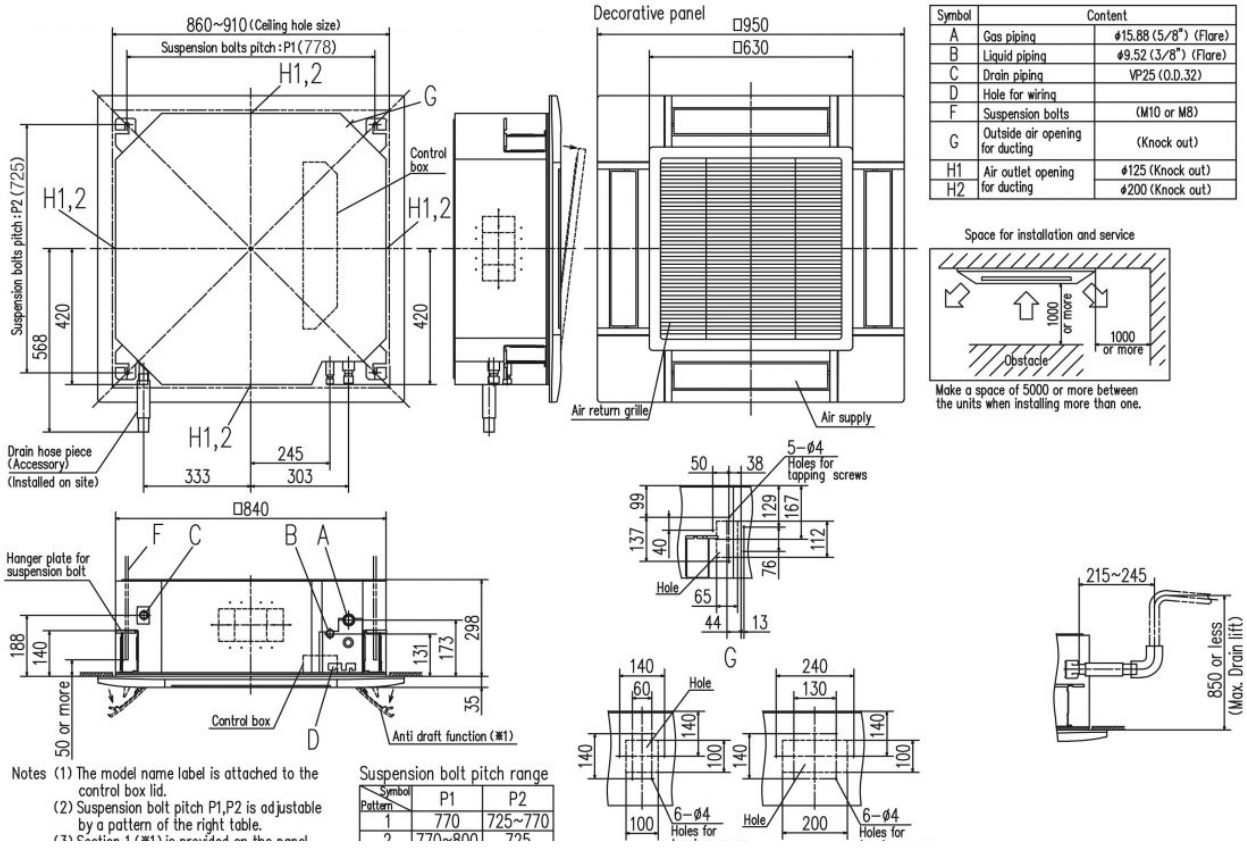
R410A

Specifications

Indoor unit				FDT100VH x 2
Outdoor unit				FDC200VSA
Power source				3 Phase 380-415V, 50Hz / 380V, 60Hz
Nominal cooling capacity (Min-Max)			kW	19.0 (5.2 ~ 22.4)
Nominal heating capacity (Min-Max)			kW	22.4 (3.3 ~ 25.0)
Power Consumption		Cooling/Heating	kW	6.25 / 6.02
EER/COP		Cooling/Heating	kW	3.04 / 3.72
Inrush current			A	5
Max. current			A	20
Sound power level*1	Indoor*3	Cooling/Heating	dB(A)	62 / 62
	Outdoor	Sound power level	dB(A)	72 / 74
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	48 / 39 / 37 / 31
	Indoor	Heating (P-Hi/Hi/Me/Lo)	dB(A)	48 / 39 / 37 / 31
	Outdoor	Cooling/Heating	dB(A)	58 / 59
Air flow	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	m^3/min	47 / 39 / 36 / 30
	Indoor	Heating (P-Hi/Hi/Me/Lo)	m^3/min	47 / 39 / 36 / 30
	Outdoor	Cooling/Heating	m^3/min	135 / 135
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 298 x 840 x 840 Panel: 35 x 950 x 950
	Outdoor		mm	1,300 x 970 x 370
Net weight		Indoor/Outdoor	kg	30(Unit:25 Standard Panel:5) / 115
Refrigerant Type GWP				R410A/2088
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 22.22(7/8")
Refrigerant line (one way) length			m	Max.70
Vertical height differences		Outdoor is higher/lower	m	Max.30 / Max.15
Outdoor operating temperature range		Cooling*2	°C	-15~50
		Heating	°C	-15~20
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

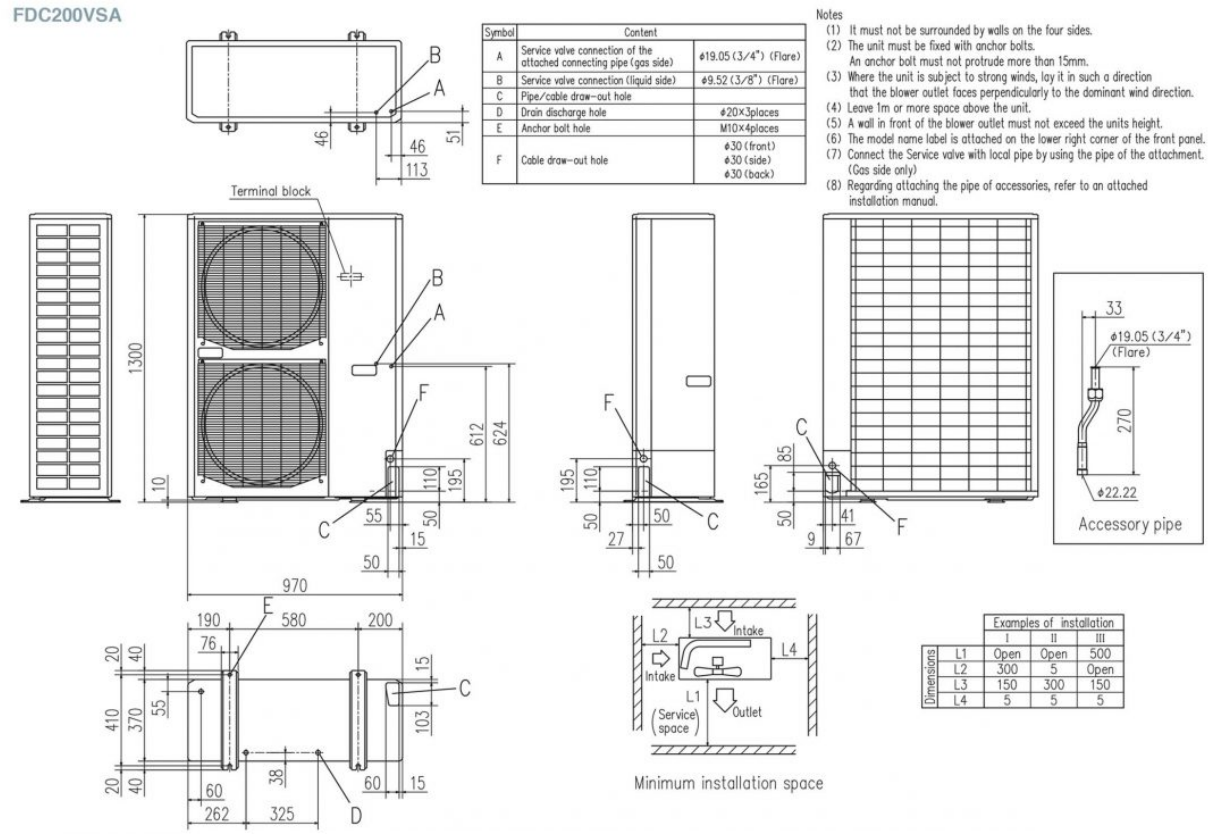


Symbol	Content	
A	Gas piping	ø15.88 (5/8") (Flare)
B	Liquid piping	ø9.52 (3/8") (Flare)
C	Drain piping	VP25 (O.D.32)
D	Hole for wiring	
F	Suspension bolts	(M10 or M8)
G	Outside air opening for ducting	(Knock out)
H1	Air outlet opening for ducting	ø125 (Knock out)
H2		ø200 (Knock out)

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.

Suspension bolt pitch range

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



Symbol	Content	
A	Service valve connection of the attached connecting pipe (gas side)	ø19.05 (3/4") (Flare)
B	Service valve connection (liquid side)	ø9.52 (3/8") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	ø20×3places
E	Anchor bolt hole	M10×4places
F	Cable draw-out hole	ø30 (front) ø30 (side) ø30 (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)
(8) Regarding attaching the pipe of accessories, refer to an attached installation manual.

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