MITSUBISHI HEAVY INDUSTRIES AIR CONDITIONING EUROPE

FDTC40VH / SRC40ZSX-W1

4.0 (1.1 ~ 4.7)

Indoor Unit : FDTC40VH

Outdoor Unit : SRC40ZSX-W1

R32

Specifications

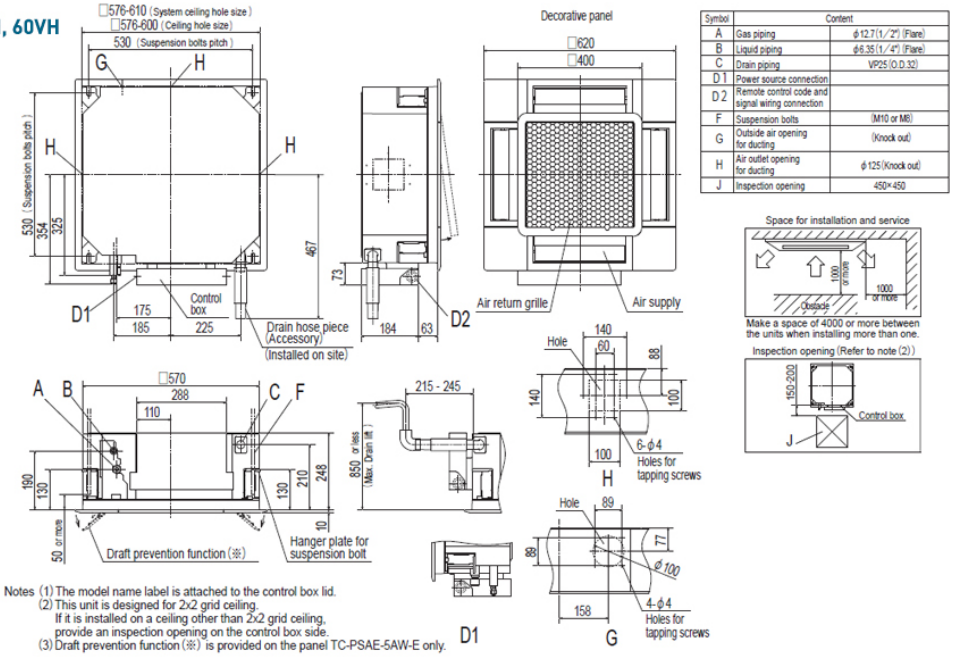
Indoor unit				FDTC40VH
Outdoor unit				SRC40ZSX-W1
Power source				1Phase, 220 - 240, 50Hz
Nominal cooling capacity (Min~Max)			kW	4.0 (1.1 ~ 4.7)
Nominal heating capacity (Min~Max)			kW	4.5 (0.6 ~ 5.4)
Power consumption		Cooling/Heating	kW	0.98 / 1.13
EER/COP		Cooling/Heating		4.08 / 3.98
Max. running current			A	15
Sound power level	Indoor	Cooling/Heating	dB(A)	59 / 59
	Outdoor	Cooling/Heating		63 / 62
Sound pressure level	Indoor	Cooling (Hi/Me/Lo/Ulo)		44 / 40 / 35 / 27
		Heating (Hi/Me/Lo/Ulo)		44 / 40 / 35 / 27
	Outdoor	Cooling/Heating		52 / 50
Air flow	Indoor	Cooling (Hi/Me/Lo/Ulo)	m3/min	13 / 11 / 9 / 7
		Heating (Hi/Me/Lo/Ulo)		13 / 11 / 9 / 7
	Outdoor	Cooling/Heating		39 / 33
Exterior Dimensions	Indoor	Height x Width x Depth	mm	Unit : 248 x 570 x 570 Panel : 10 x 620 x 620
	Outdoor			640 x 800(+71) x 290
Net weight	Indoor / Outdoor		kg	16.5 (Unit : 14 Panel : 2.5) / 45.0
Refrigerant		Type/GWP		R32/675
Refrigerant		Charge	kg/TCO2Eq	1.30 / 0.878
Refrigerant piping size		Liquid/Gas	mm (ø inch)	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	°C	-15~46
		Heating		-20~24
Panel				TC-PSA-5AW-E, TC-PSAE-5AW-E (Honeycomb) / TC-PSAG-5AW-E, TC-PSAGE-5AW-E (Grid)
Energy Class (Cooling/Heating)				A++/A++
SEER				6.94
SCOP (Average climate)				4.37
Pdesign (cooling/heating(@-10°C))			kW	4.0/4.0
Annual Electricity Consumption (cooling/heating)			kWh/a	202/1283
Designated Heating Season				Average

• 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.
• Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
• 'tonne(s) of CO2 equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.
*1 The maximum external static pressure can be used up to 35Pa (25•35ZS) , 50Pa (50 •60ZS), but the airflow will be reduced.

Schematics

Unit: mm

Models FDTC40VH, 50VH, 60VH



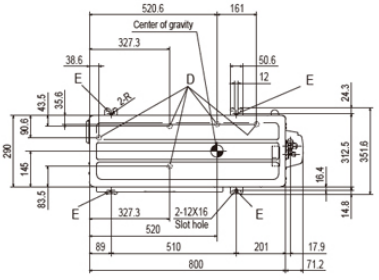
Symbol	Content	
A	Gas piping	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)
C	Drain piping	VP25 (O.D.32)
D1	Power source connection	
D2	Remote control code and signal wiring connection	
F	Suspension bolts	(M10 or M8)
G	Outside air opening for ducting	(Knock out)
H	Air outlet opening for ducting	φ125 (Knock out)
J	Inspection opening	450×450

Notes (1) The model name label is attached to the control box lid.
(2) This unit is designed for 2x2 grid ceiling.
If it is installed on a ceiling other than 2x2 grid ceiling, provide an inspection opening on the control box side.
(3) Draft prevention function (※) is provided on the panel TC-PSAE-5AW-E only.

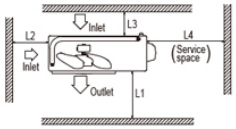
Unit: mm

SRC40ZSX-W1, 50ZSX-W1, 60ZSX-W1

Symbol	Content	
A	Service valve connection (Gas side)	φ12.7(1/2")(Flare)
B	Service valve connection (Liquid side)	φ6.35(1/4")(Flare)
C	Pipe,/cable draw-out hole	
D	Drain discharge hole	φ20×5 places
E	Anchor bolt hole	M10-12×4 places

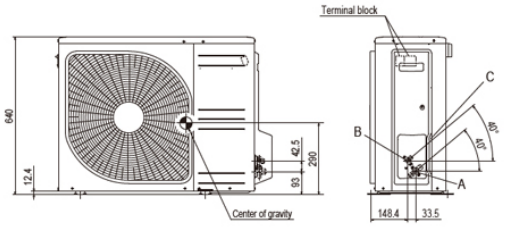


Notes
(1) The unit must not be surrounded by walls on the four sides.
(2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
(3) If the unit is installed in the location where there is a possibility of strong winds, place the unit such that the direction of air from the outlet gets perpendicular to the wind direction.
(4) Leave 200mm or more space above the unit.
(5) The wall height on the outlet side should be 1200mm or less.
(6) The model name label is attached on the front side of the unit.



Minimum installation space

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



Unit:mm