MITSUBISHI HEAVY INDUSTRIES AIR CONDITIONING EUROPE



FDE50VH

5.0kW

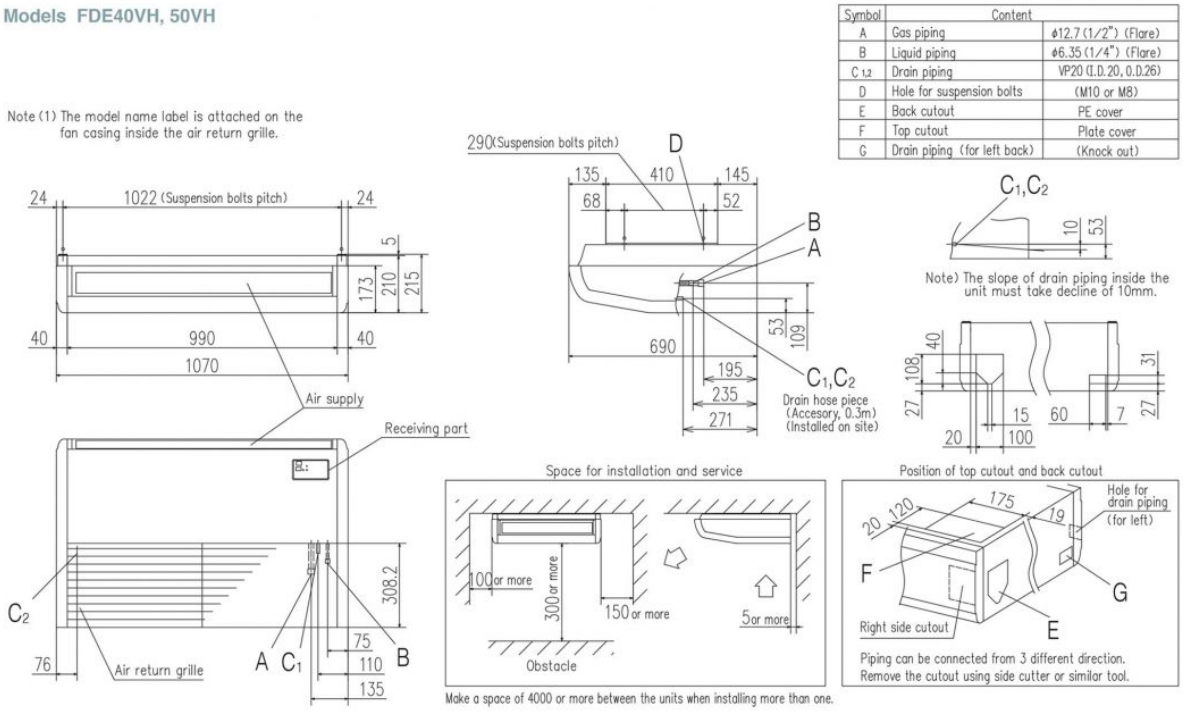
Specifications

Nominal cooling capacity		kW	5.0
Nominal heating capacity		kW	5.8
Sound power level	Cooling	dB(A)	60
	Heating	dB(A)	60
Sound pressure level	Cooling(Hi/Me/Lo/Ulo)	dB(A)	46 / 38/ 36/ 31
	Heating(Hi/Me/Lo/Ulo)	dB(A)	46 / 38/ 36/ 31
Air flow	Cooling(Hi/Me/Lo/Ulo)	m^3/min	13.0 / 10.0 / 9.0 / 7.0
	Heating(Hi/Me/Lo/Ulo)	m^3/min	13.0 / 10.0 / 9.0 / 7.0
Exterior dimensions (H×W×D)		mm	210×1070×690
Net weight		kg	28.0
Refrigerant piping size	Liquid / Gas	mm (ø inch)	6.35(1/4") / 12.7(1/2")
Clean filter			Pocket Plastic net × 2 (Washable)

• 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 the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without notice.

Schematics


Models FDE40VH, 50VH
Note (1) The model name label is attached on the fan casing inside the air return grille.
24
1022 (Suspension bolts pitch)
24
5
173
210
215
40
990
40
1070
Air supply
Receiving part
C2
76
Air return grille
A C1
75
110
135
308.2
B
290(Suspension bolts pitch)
D
135
410
145
68
52
B
A
53
109
690
195
235
271
C1,C2
Drain hose piece
(Accesory, 0.3m)
(Installed on site)
Symbol
Content
A
Gas piping
ϕ12.7 (1/2") (Flare)
B
Liquid piping
ϕ6.35 (1/4") (Flare)
C 1,2
Drain piping
VP20 (I.D.20, O.D.26)
D
Hole for suspension bolts
(M10 or M8)
E
Back cutout
PE cover
F
Top cutout
Plate cover
G
Drain piping (for left back)
(Knock out)
C1,C2
10
53
Note) The slope of drain piping inside the unit must take decline of 10mm.
40
108
31
27
15
60
7
27
20
100
Space for installation and service
100 or more
300 or more
150 or more
5or more
Obstacle
Make a space of 4000 or more between the units when installing more than one.
Position of top cutout and back cutout
20
120
175
19
Hole for drain piping (for left)
F
G
Right side cutout
E
Piping can be connected from 3 different direction.
Remove the cutout using side cutter or similar tool.