



FDE100VNAPVH

10.0 (4.0 ~ 11.2)

Indoor Unit : FDE50VH x 2

Outdoor Unit : FDC100VNA

Specifications



Indoor unit			FDE50VH x 2	
Outdoor unit			FDC100VNA	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz	
Nominal cooling capacity (Min-Max)		kW	10.0 (4.0 ~ 11.2)	
Nominal heating capacity (Min-Max)		kW	11.2 (4.0 ~ 12.5)	
Power Consumption		Cooling/Heating	kW	3.12 / 2.99
EER/COP		Cooling/Heating	kW	3.21 / 3.75
Inrush current			A	5
Max. current			A	24
Sound power level* ¹	Indoor* ³	Cooling/Heating	dB(A)	60 / 60
	Outdoor	Sound power level	dB(A)	70 / 70
Sound pressure level* ¹	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	46 / 38 / 36 / 31
	Indoor	Heating (P-Hi/Hi/Me/Lo)	dB(A)	46 / 38 / 36 / 31
	Outdoor	Cooling/Heating	dB(A)	54 / 56
Air flow	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	m ³ /min	13 / 10 / 9 / 7
	Indoor	Heating (P-Hi/Hi/Me/Lo)	m ³ /min	13 / 10 / 9 / 7
	Outdoor	Cooling/Heating	m ³ /min	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	210 x 1,070 x 690
	Outdoor		mm	845 x 970 x 370
Net weight		Indoor/Outdoor	kg	28 / 80
Refrigerant charge			kg/TCO ₂ E _q	3.8/7.934
Refrigerant Type GWP				R410A/2088
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length			m	Max. 50
Vertical height differences		Outdoor is higher/lower	m	Max.50 / Max.15
Outdoor operating temperature range		Cooling* ²	°C	-15~50
		Heating	°C	-20~20
Air filter, Q'ty				Pocket plastic net x 2(Washable)
Remote control (option)				wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-E-E3
Energy Class (Cooling/Heating)				A+/A+
SEER				5.71
SCOP (Average climate)				4.10
Pdesign (cooling/heating@-10°C)				10.0/8.5
Annual Electricity Consumption				613/2905
Designated Heating Season				Average

The data is measured under the following conditions (ISO-T1, -H1).

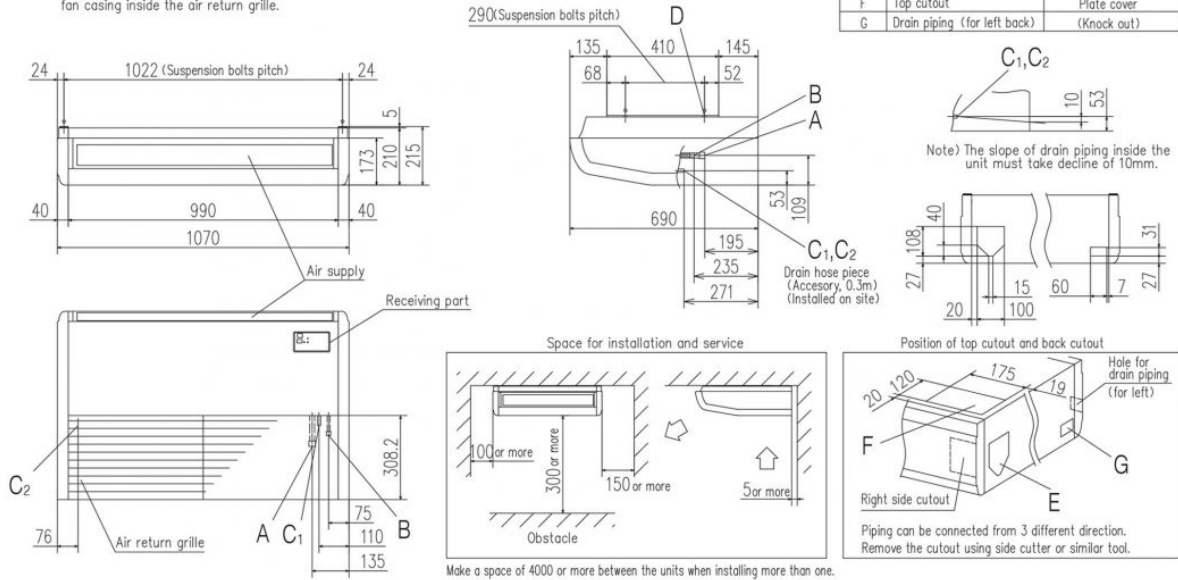
Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

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

Models FDE40VH, 50VH

Note (1) The model name label is attached on the fan casing inside the air return grille.



FDC100VNA, 125VNA, 140VNA 100VSA, 125VSA, 140VSA

