



FDT100VNPWVH

10.0 (2.1 ~ 10.2)

Indoor Unit : FDT100VH

Outdoor Unit : FDC100VNP-W

Specifications

R32

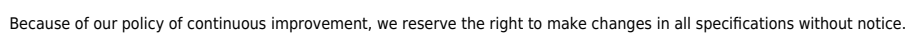
Indoor unit			FDT100VH	
Outdoor unit			FDC100VNP-W	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz	
Nominal cooling capacity (Min~Max)		kW	10.0 (2.1 ~ 10.2)	
Nominal heating capacity (Min~Max)		kW	10.0 (1.7 ~ 10.4)	
Power consumption	Cooling/Heating	kW	2.84 / 2.33	
EER/COP	Cooling/Heating		3.52 / 4.29	
Inrush current		A	5	
Max. running current		A	19	
Sound power level*1	Indoor	Cooling/Heating	dB(A)	62 / 62
	Outdoor	Cooling/Heating		68 / 67
Sound pressure level*1	Indoor	Cooling (Hi/Me/Lo/Ulo)		47 / 39 / 36 / 30
		Heating (Hi/Me/Lo/Ulo)		47 / 39 / 36 / 29
	Outdoor	Cooling/Heating		56 / 54
Air flow	Indoor	Cooling (Hi/Me/Lo/Ulo)	m³/min	37 / 26 / 23 / 17
		Heating (Hi/Me/Lo/Ulo)		37 / 26 / 23 / 17
	Outdoor	Cooling/Heating		75 / 79
Exterior Dimensions	Indoor	Height x Width x Depth	mm	Unit: 298 x 840 x 840 Panel: 35 x 950 x 950
	Outdoor			845 x 970 x 370
Net weight	Indoor / Outdoor		kg	30(Unit:25 Standard Panel:5) / 57
Refrigerant		Type/GWP	R32/675	
Refrigerant		Charge	kg/TCO2Eq	1.7/1.148
Refrigerant piping size		Liquid/Gas	ø inch	6.35(1/4") / 15.88(5/8")
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
Panel		T-PSA-5BW-E, T-PSAE-5BW-E (White) / T-PSA-5BB-E, T-PSAE-5BB-E (Black)		
Air filter quantity			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	
Energy Class (Cooling/Heating)			A+ +/A+	
SEER			7.08	
SCOP (Average climate)			4.53	
Pdesign (cooling/heating(@-10°C))		kW	10.0/6.4	
Annual Electricity Consumption (cooling/heating)		kWh/a	495/1977	
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.
- : 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.

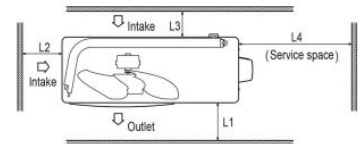
Models FDT100VH, 125VH, 140VH



Technical drawing of the rear view of the device. Dimensions are indicated in millimeters (mm). Labels point to specific components:

- Terminal block**: Points to the top connection points.
- Service panel**: Points to the central vertical panel.
- 165.5**: Vertical dimension from the top to the center of the service panel.
- 25**: Horizontal dimension from the center line to the edge of the service panel.
- 48.5**: Vertical dimension from the bottom to the top of the base.
- 103.5**: Total vertical dimension of the device.
- 30°**: Angle of the base flange.
- A**: Points to the bottom mounting bracket.
- B**: Points to the bottom mounting bracket.
- C**: Points to the bottom mounting bracket.

- (1) It must not be surrounded by walls on 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 subjected 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 unit's height.
- (6) The model name label is attached on the lower right corner of the front panel.



Examples of installation Dimensions	I	II	III
L1	Open	Open	500
L2	300	250	Open
L3	100	150	100
L4	250	250	250

Symbol	Content
A	Service valve connection (gas side) $\varnothing 15.88(5/8")$ (Flare)
B	Service valve connection (liquid side) $\varnothing 6.35(1/4")$ (Flare)
C	Pipe / cable draw-out hole
D	Drain discharge hole $\varnothing 20 \times 3$ places
E	Anchor bolt hole M10 $\times 4$ places