

VRF Indoor Unit 45VMF012---3—4-Way Cassette



Submittal Data

Job Name _____ Location _____
Tag _____



STANDARD FEATURES

- Delivers air in all four directions
- Knock out for OA opening
- Louver control (fixed or swing)
- Three fan speeds - high, medium, and low
- Built-in condensate lift mechanism
- Built in EXV (Electronic Expansion Valve) for installation ease

INDOOR UNIT MODEL		45VMF012---3
PERFORMANCE		
Total Cooling Rated Capacity	Btu/h	12,000
Total Heating Rated Capacity	Btu/h	13,500
Airflow (H / M / L)	CFM	544 / 420 / 296
Sound Pressure (H / M / L)	dBA	41.4 / 37.6 / 32
ELECTRICAL		
Power Supply	V/Ph/Hz	208-230/1/60
Indoor Fan Motor Rated Motor (Output)	W	45
Minimum Circuit Amps (MCA)	A	0.92
Maximum Overcurrent Protection	A	15.0
Motor Type		DC

PHYSICAL DATA		
Pipe Connection Size - Liquid	in.	1/4 (OD)
Pipe Connection Size - Suction	in.	1/2 (OD)
Pipe Connection Size - Drain	in.	1 (OD)
Refrigerant		R-454B
Unit Width	in.	33-1/8
Unit Height	in.	8
Unit Depth	in.	33-1/8
Unit Net Weight	lbs.	50.7
Panel Width	in.	37-3/8
Panel Height	in.	3
Panel Depth	in.	37-3/8
Panel Net Weight	lbs.	12.8

ACCESSORIES

- ☐ Wireless Remote Controller 45VM900001
- ☐ Wired Remote Controller - Non-Prog. 45VM900002
- ☐ Grille 45VM001---

Technical drawing of the FCU-1000 (1000mm) showing front, side, and top views with dimensions in mm and inches.

Front View Dimensions:

- Overall width: 950 (37-3/8) (with panel)
- Overall height: 950 (37-3/8) (with panel)
- Internal width: 840 (33-1/16)
- Internal height: 840 (33-1/16)
- Distance from top edge to top of panel: 84 (3-5/16)
- Distance from bottom edge to bottom of panel: 84 (3-5/16)
- Distance from left edge to left of panel: 84 (3-5/16)
- Distance from right edge to right of panel: 84 (3-5/16)
- Distance from top edge to top of panel: 84 (3-5/16)
- Distance from bottom edge to bottom of panel: 84 (3-5/16)
- Distance from left edge to left of panel: 84 (3-5/16)
- Distance from right edge to right of panel: 84 (3-5/16)
- Distance from top edge to top of panel: 84 (3-5/16)
- Distance from bottom edge to bottom of panel: 84 (3-5/16)
- Distance from left edge to left of panel: 84 (3-5/16)
- Distance from right edge to right of panel: 84 (3-5/16)

Side View Dimensions:

- Overall width: 136 (5-3/8)
- Overall height: 106 (4-3/16)
- Distance from top edge to top of panel: 45 (1-3/4)
- Distance from bottom edge to bottom of panel: 122.5 (4-13/16)
- Distance from left edge to left of panel: 122.5 (4-13/16)
- Distance from right edge to right of panel: 122.5 (4-13/16)

Top View Dimensions:

- Overall width: 205 (8-1/16)
- Overall height: 323 (12-3/4)
- Distance from top edge to top of panel: 205 (8-1/16)
- Distance from bottom edge to bottom of panel: 205 (8-1/16)
- Distance from left edge to left of panel: 205 (8-1/16)
- Distance from right edge to right of panel: 205 (8-1/16)

Labels and Notes:

- 4-M4
- Φ105 (4-1/8)
- Φ103 (4-1/16) (Fresh air inlet)
- Side air outlet (available for four sides)
- Suspension bolt
- 40 (5-1/2) [the thickness of panel sealing sponges is reduced from 20 mm to 10mm (13/16 in to 3/8 in)]
- 52 (2-1/16)
- Panel
- Ceiling
- Φ23 (15/16) (internal diameter)
- Drain pipe Φ25 (1) (outer diameter)
- E: Connect to refrigerant piping (liquid side)
- Hex nut (to adjust level)
- F: Connect to refrigerant piping (gas side)

A	B	C	D	E	F
246 (9-11/16)	163 (4-3/8)	103 (4-1/16)	41.5 (1-5/8)	Φ 12.7 (1/2)	Φ 6.35 (1/4)

