

VRF Indoor Unit 45VMV054A---3 — Vertical AHU



Submittal Data

Job Name _____ Location _____

Tag _____



STANDARD FEATURES

- Dual Drainage Spouts
- Three Fan Speeds - High, Medium and Low
- Multipoise installation in vertical, horizontal left, horizontal right, and downflow configuration
- DC Fan Motor
- Built in EXV (Electronic Expansion Valve) for Installation Ease
- Removable Front Panel Provides Easy Access
- Configurable for download operation
- Internal A2L Refrigerant Sensor

Indoor Unit Model		45VMV054A---3
PERFORMANCE		
Cooling Rated Capacity	Btu/h	54,000
Heating Rated Capacity	Btu/h	60,000
Airflow (H / M / L) ⁴	CFM	1808/1718/1627/ 1537/1447/1356/ 1266
Sound Pressure (H / M / L) ⁶	dBA	39/36/34/31.5/29/ 25/22
External Static Pressure ⁵	in (wg)	0.2 (0-0.8)
ELECTRICAL		
Power Supply	V/Ph/Hz	208-230/1/60
Motor Type		DC
Indoor Unit Fan Motor Rated Motor Output	W	750
Minimum Circuit Amps	A	5.65
Maximum Overcurrent Protection	A	15

ACCESSORIES (Optional)

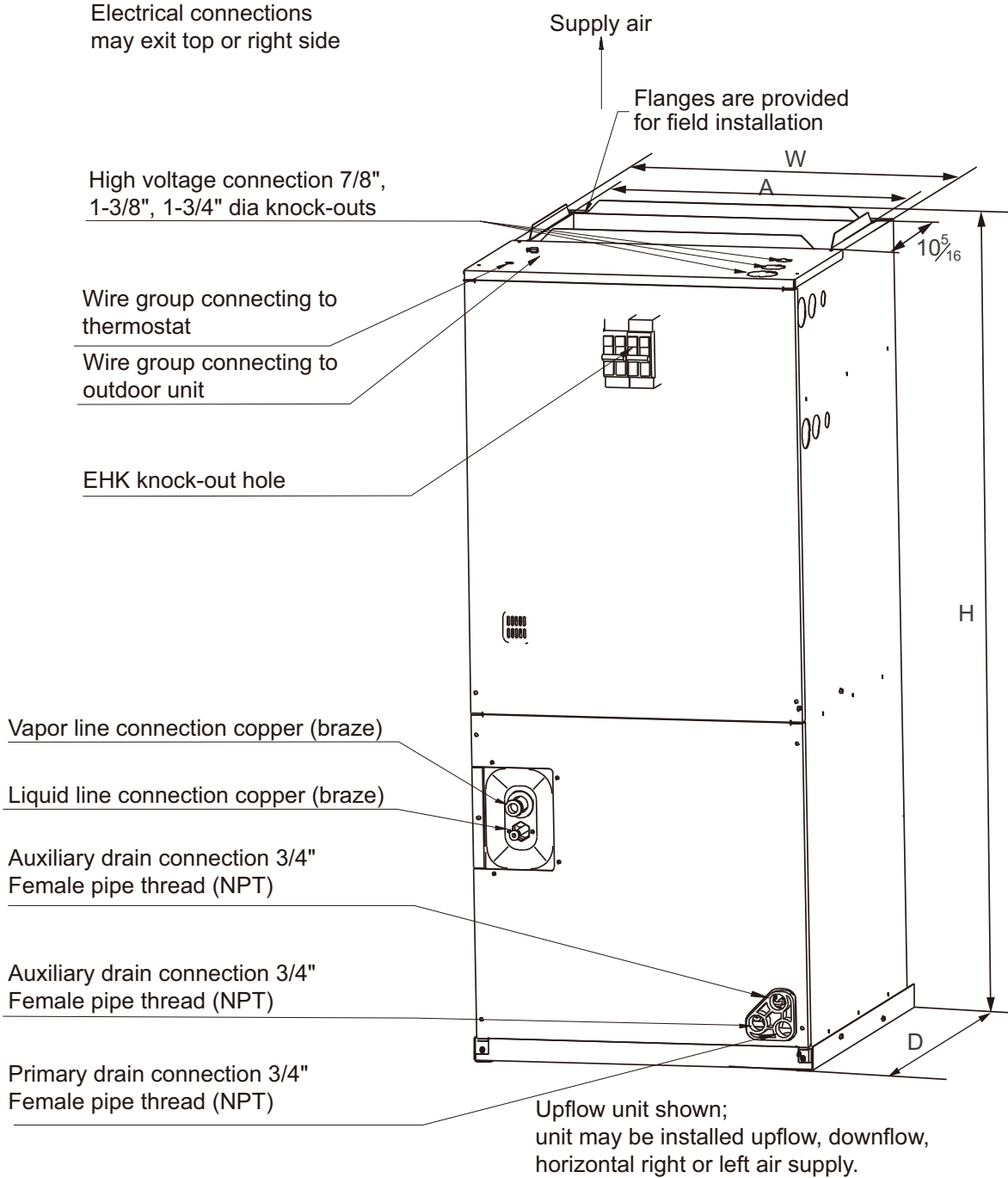
- ☐ Wireless Remote Controller 45VM900001
- ☐ Wired Remote Controller - Non-Prog. 45VM900002
- ☐ 5kW Heat Strip 45VM910005
- ☐ 7.5kW Heat Strip 45VM910007
- ☐ 10kW Heat Strip 45VM910010
- ☐ 15kW Heat Strip 45VM910015
- ☐ 20kW Heat Strip 45VM910020

PHYSICAL DATA		
Pipe Connection Size - Liquid	in.	3/8 (OD)
Pipe Connection Size - Suction	in.	3/4 (OD)
Pipe Connection Size - Drain	in.	1 (OD)
Refrigerant		R-454B
Unit Width	in.	22-1/8
Unit Height	in.	54-1/2
Unit Depth	in.	24
Net Weight	lb	157

1. Indoor temperature 80°FDB, 67°FWB; outdoor temperature 95°FDB, 75°FWB; equivalent refrigerant piping length 295-1/4in. with zero level difference.
2. Indoor temperature 70°FDB, 60°FWB; outdoor temperature 47°FDB, 43°FWB; equivalent refrigerant piping length 295-1/4in. with zero level difference.
3. AHU adopts a brand-new special-shaped heat exchanger with different number of rows and different Tube pitch at different positions.
4. Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
5. Stable operation external static pressure range. (Note: setting external static pressure outside the unit's optimal static pressure range may lead to higher noise levels and lower airflow rate. For the optimal external static pressure range refer to the unit's installation manual.)
6. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured
7. 59-1/16in. below the unit in an anechoic chamber.
8. The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

DIMENSIONAL DRAWING INDOOR UNIT VERTICAL AHU 45VMV054A---3

Note: 25" clearance is required in the front of the unit for filter and coil maintenance.



Unit Height "H" in (mm)	Unit Width "W" in [mm]	Unit Length "D" in (mm)	Supply Duct "A"	Unit Weight (lbs [kg])
54-1/2 [1385]	22-1/8 [560]	24 [610]	19-1/2 [496]	157 [71]

