

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 °F DB, 60 °F WB; outdoor temperature 47 °F DB, 43 °F WB; 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.

