

VRF Outdoor Unit 38VMA336HDS6-1 - Heat Pump



Submittal Data

Job Data _____ Location _____
 Buyer _____ Buyer PO # _____ Carrier # _____
 Unit Number _____ Model Number _____
 Performance Data Certified By _____ Date _____



Heat Pump Features

- 6, 8, 10, and 12 ton modules available
- Modules have inverter-driven scroll compressors
- Direct-drive, inverter-driven outdoor motor
- Modules can be combined to form larger systems, up to 36 tons
- 3280 ft (1000 m) actual total system piping (liquid line)
- 656 ft (200 m) actual piping length from outdoor unit to furthest fan coil
- Up to 3937 ft (1200 m) control wiring between the outdoor units and indoor units
- Operating temperature range
 Cooling (db): 5° to 125°F
 (-15° to 52°C)
 Heating (wb): -5° to 64°F
 (-21° to 18°C)
- Protection: high pressure sensor and switch, low pressure sensor and switch, process controller board fuse, inverter overload protection
- 7-year compressor limited warranty
- 5-year parts limited warranty

| | | |
|--|----------------|--------------------|
| Combination Model | 38VMA336HDS6-1 | |
| Header Unit Model | 38VMA120HDS6-1 | |
| Follower Model | 38VMA120HDS6-1 | |
| Follower Model | 38VMA096HDS6-1 | |
| PERFORMANCE | | |
| Nominal Cooling Capacity | Btu/h | 319,200 |
| Nominal Heating Capacity | Btu/h | 360,000 |
| Maximum Total Connected Indoor Unit Capacity | | 50% to 135% |
| COOLING EFFICIENCY† | | |
| EER/IEER, Ducted FCUs | Btu/Wh | 10.60/19.20 |
| Power Consumption, Ducted FCUs | kW | 27.40 |
| EER/IEER, Ductless FCUs | Btu/Wh | 11.70/19.00 |
| Power Consumption, Ductless FCUs | kW | 27.00 |
| HEATING EFFICIENCY† | | |
| COP at 47°F, Ducted FCUs | | 3.25 |
| Power Consumption, Ducted FCUs | kW | 29.20 |
| COP at 47°F, Ductless FCUs | | 3.31 |
| Power Consumption, Ductless FCUs | kW | 28.50 |
| Fan Type (Qty) | | Propeller (6) |
| Airflow, Standard Range | CFM | 8250 + 8250 + 7650 |
| Sound Pressure | dBA | 66.5 |
| External Static Pressure* | in. wg | 0.24 |
| ELECTRICAL | | |
| Power Supply | V/Ph/Hz | 460/3/60 |
| Minimum Circuit Amps (MCA) | A | 3 X 25 |
| Recommended Fuse Size | A | 3 X 30 |

| COMPRESSORS | | |
|---|-----|------------------------------|
| Type (Number) | | Inverter Hermetic Scroll (3) |
| FAN MOTOR | | |
| Motor Type (Steps) | | Inverter Direct Driven (13) |
| Motor Output | kW | 6 X 0.27 |
| PHYSICAL DATA | | |
| Pipe Connection Size - Liquid (High Pressure)** | in. | 3/4 (Brazed) |
| Pipe Connection Size - Gas (Low Pressure)** | in. | 1-3/8 (Brazed) |
| Balance | in. | 1/4 (Brazed) |
| Refrigerant | | R-410A |
| Factory Charge†† | lb | 3 X 37.5 |
| Unit Width | in. | 3 X 52-3/4 |
| Unit Height | in. | 64-3/8 |
| Unit Depth | in. | 31-1/8 |
| Net Weight | lb | 3 X 659 |
| REQUIRED ACCESSORY | | |
| Twinning Kit | | 40VM900022 |

†Rated per AHRI (Air-Conditioning, Heating and Refrigeration Institute) 1230 Standard.

Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
 Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb

*Requires setting by menu functions.

**Main pipe size leaving twinning kit.

††Additional charge required.

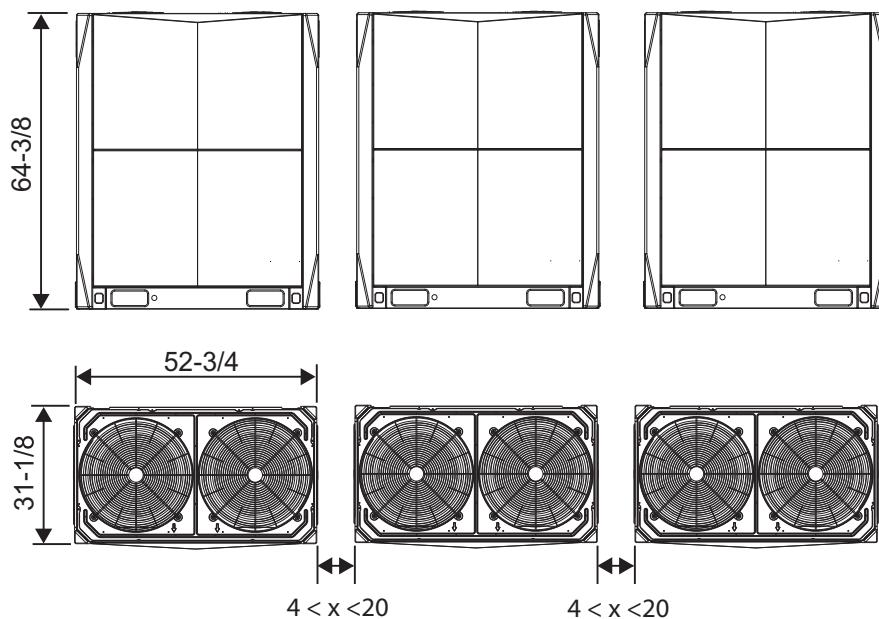
NOTE: Unit cabinet and coil slab shall be capable of withstanding 500-hour salt spray test.

LEGEND

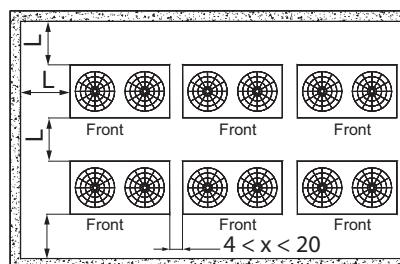
| | |
|------|--------------------------------------|
| db | — Dry Bulb |
| COP | — Coefficient of Performance |
| EER | — Energy Efficiency Ratio |
| FCU | — Fan Coil Unit |
| IEER | — Integrated Energy Efficiency Ratio |
| wb | — Wet Bulb |

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

DIMENSIONAL DRAWING
OUTDOOR UNIT COMBINATION 38VMA336HDS6-1

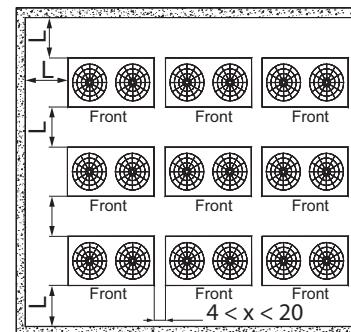


Two rows



Note: $L \geq 40$ in.

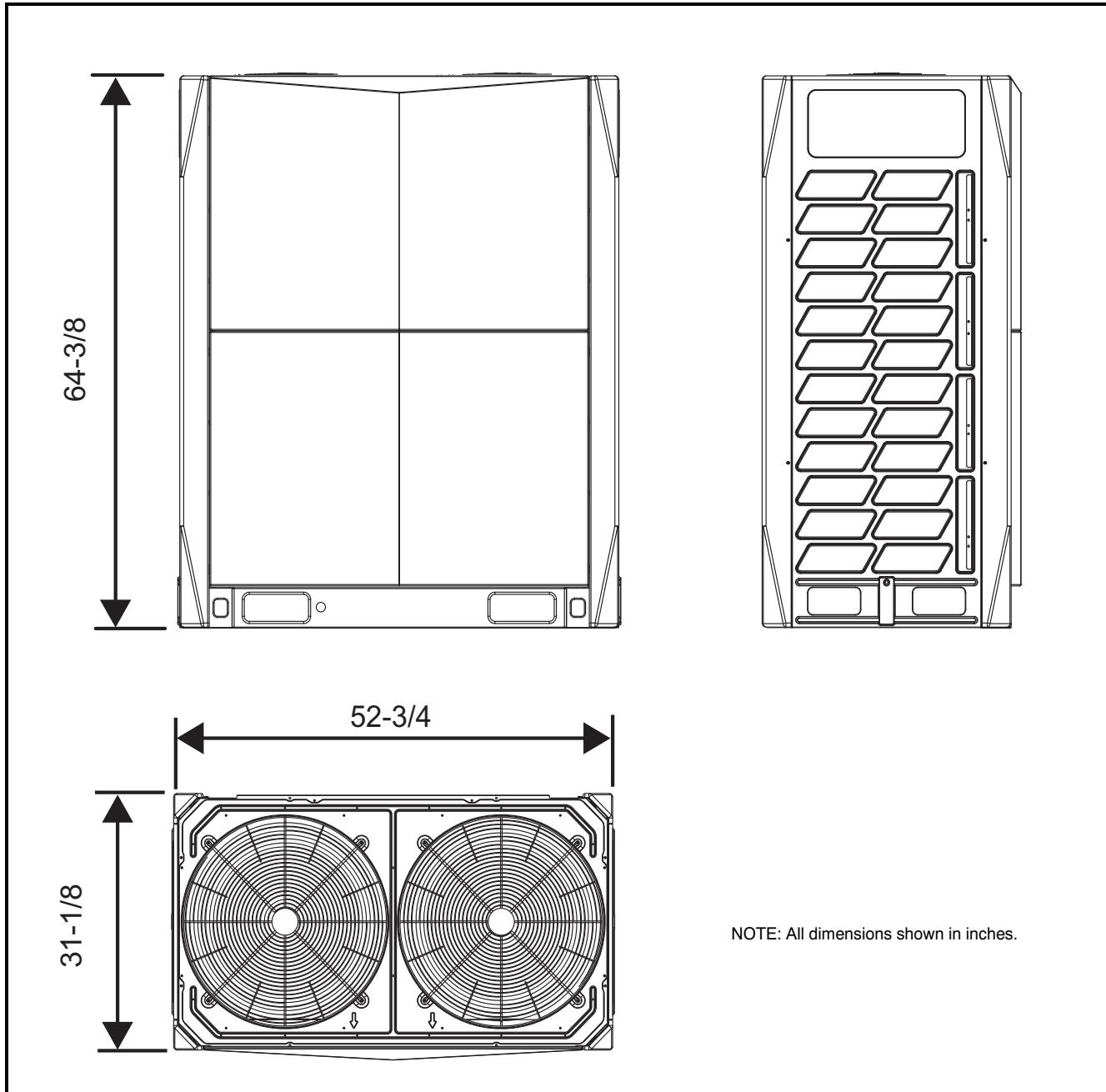
More than two rows



Note: All dimensions are shown in inches.

| Model Name | Outdoor Unit | | |
|----------------|----------------|----------------|----------------|
| | Header Unit | Follower Unit | Follower Unit |
| 38VMA336HDS6-1 | 38VMA120HDS6-1 | 38VMA120HDS6-1 | 38VMA096HDS6-1 |

DIMENSIONAL DRAWING
OUTDOOR SINGLE UNIT 38VMA120HDS6-1 and 38VMA096HDS6-1



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Replaces: 38VMH3366-C-1SD

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