

VRF Outdoor Unit 38VMA264HDS6-1 - 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 | 38VMA264HDS6-1 | |
| Header Unit Model | 38VMA144HDS6-1 | |
| Follower Model | 38VMA120HDS6-1 | |
| PERFORMANCE | | |
| Nominal Cooling Capacity | Btu/h | 258,300 |
| Nominal Heating Capacity | Btu/h | 286,000 |
| Maximum Total Connected Indoor Unit Capacity | | 50% to 135% |
| COOLING EFFICIENCY† | | |
| EER/IEER, Ducted FCUs | Btu/Wh | 9.80/19.00 |
| Power Consumption, Ducted FCUs | kW | 24.20 |
| EER/IEER, Ductless FCUs | Btu/Wh | 9.70/19.00 |
| Power Consumption, Ductless FCUs | kW | 23.90 |
| HEATING EFFICIENCY† | | |
| COP at 47°F, Ducted FCUs | | 3.20 |
| Power Consumption, Ducted FCUs | kW | 23.80 |
| COP at 47°F, Ductless FCUs | | 3.27 |
| Power Consumption, Ductless FCUs | kW | 22.80 |
| Fan Type (Qty) | Propeller (4) | |
| Airflow, Standard Range | CFM | 8830 + 8250 |
| Sound Pressure | dBA | 66.5 |
| External Static Pressure* | in. wg | 0.08 |
| ELECTRICAL | | |
| Power Supply | V/Ph/Hz | 460/3/60 |
| Minimum Circuit Amps (MCA) | A | 33 + 25 |
| Recommended Fuse Size | A | 40 + 30 |

| COMPRESSORS | | |
|---|-----------------------------|----------------------------------|
| Type (Number) | | Inverter Hermetic Scroll (3) |
| FAN MOTOR | | |
| Motor Type (Steps) | Inverter Direct Driven (13) | |
| Motor Output | kW | 0.340 + 0.300 + 0.270 + 0.270 |
| 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 | 2 X 37.5 |
| Unit Width | in. | 2 X 52-3/4 |
| Unit Height | in. | 64-3/8 |
| Unit Depth | in. | 31-1/8 |
| Net Weight | lb | 780 + 659 |
| REQUIRED ACCESSORY | | |
| Twining Kit | 40VM900021 | |

†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 twining 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.

Printed in U.S.A.

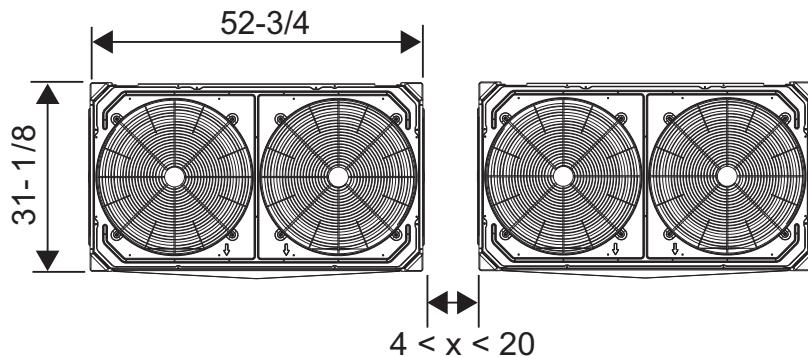
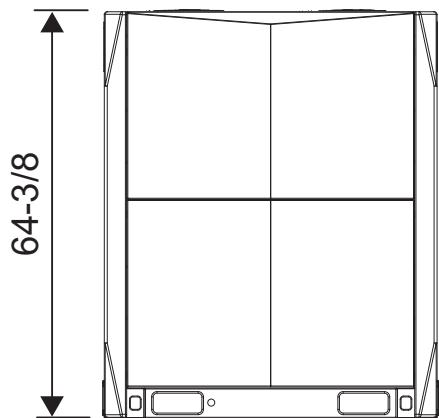
Form 38VMH2646-C-2SD

Pg 1

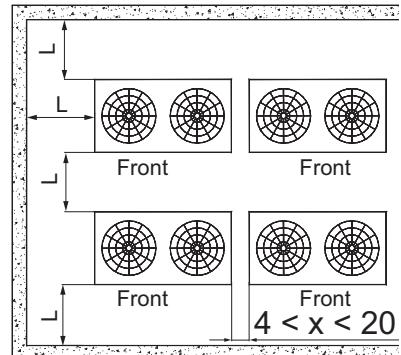
08-18

Replaces: 38VMH2646-C-1SD

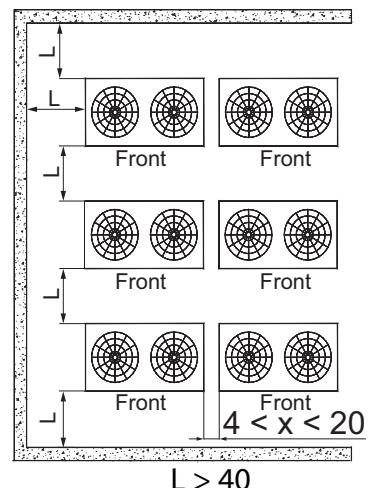
DIMENSIONAL DRAWING
OUTDOOR UNIT COMBINATION 38VMA264HDS6-1



Two rows



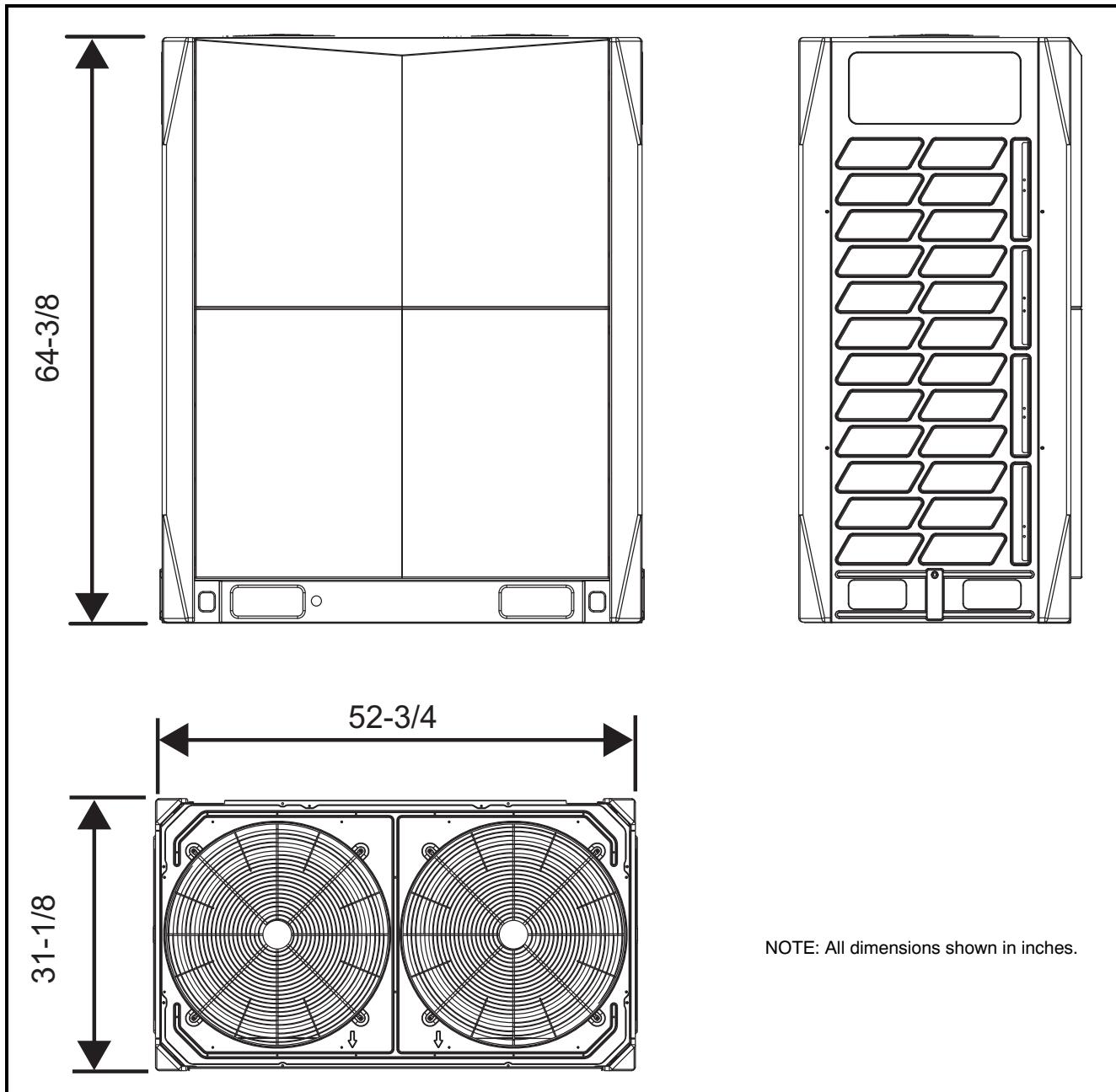
More than two rows



NOTE: All dimensions shown in inches.

| MODEL NAME | OUTDOOR UNIT | |
|----------------|----------------|----------------|
| | HEADER UNIT | FOLLOWER UNIT |
| 38VMA264HDS5-1 | 38VMA144HDS5-1 | 38VMA120HDS5-1 |

DIMENSIONAL DRAWING
OUTDOOR SINGLE UNIT 38VMA144HDS6-1 and 38VMA120HDS6-1



© Carrier Corporation 2018

