

VRF Outdoor Unit 38VMA120HDS6-1 - 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): -13° to 64°F (-21° to 10.5°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

Header Unit Model		38VMA120HDS6-1
PERFORMANCE		
Nominal Cooling Capacity	Btu/h	117,600
Nominal Heating Capacity	Btu/h	126,000
Maximum Total Connected Indoor Unit Capacity		50% to 135%
COOLING EFFICIENCY†		
EER/IEER, Ducted FCUs	Btu/Wh	11.20/21.90
Power Consumption, Ducted FCUs	kW	9.60
EER/IEER, Ductless FCUs	Btu/Wh	11.70/22.50
Power Consumption, Ductless FCUs	kW	8.80
HEATING EFFICIENCY†		
COP at 47°F, Ducted FCUs		3.45
Power Consumption, Ducted FCUs	kW	9.80
COP at 47°F, Ductless FCUs		3.60
Power Consumption, Ductless FCUs	kW	9.00
Fan Type (Qty)		Propeller (2)
Airflow, Standard Range	CFM	8250
Sound Pressure	dBA	63
External Static Pressure*	in. wg	0.08
ELECTRICAL		
Power Supply	V/Ph/Hz	460/3/60
Minimum Circuit Amps (MCA)	A	25
Recommended Fuse Size	A	30

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

COMPRESSORS

Type (Number)	Inverter	Hermetic Scroll (1)
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FAN MOTOR

Motor Type (Steps)	Inverter Direct Driven (13)
Motor Output	kW 2 X 0.27

PHYSICAL DATA

Pipe Connection Size - Liquid (High Pressure)	in.	1/2 (Brazed)
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 (Brazed)
Balance	in.	1/4 (Brazed)
Refrigerant		R-410A
Factory Charge††	lb	37.5
Unit Width	in.	52-3/4
Unit Height	in.	64-3/8
Unit Depth	in.	31-1/8
Net Weight	lb	659

†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

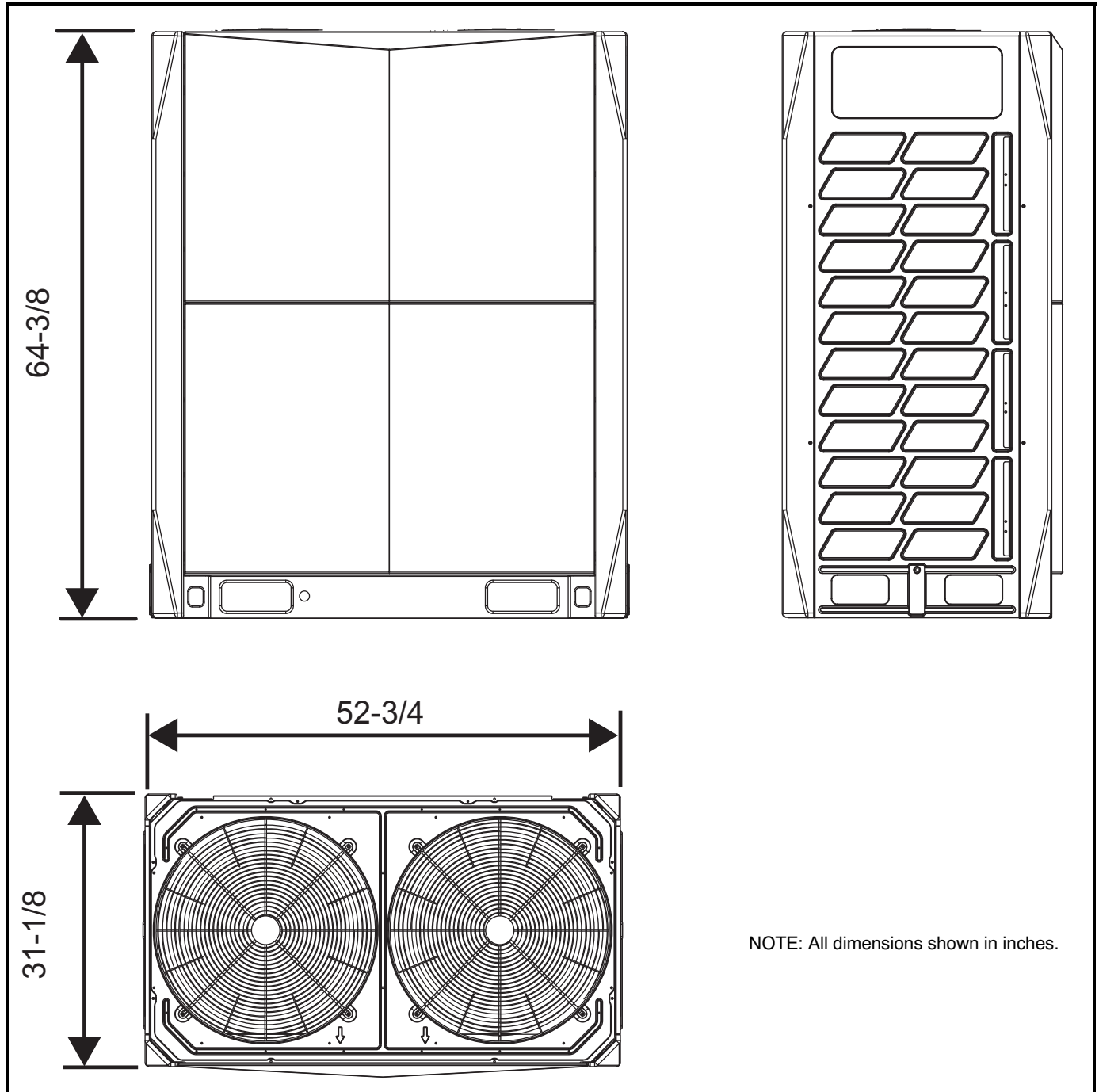
*Requires setting by menu functions.

††Additional charge required.

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

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

DIMENSIONAL DRAWING OUTDOOR UNIT 38VMA120HDS6-1



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Replaces: 38VMH1206-C-1SD