

# VRF Outdoor Unit 38VMA288RDS5-1 - Heat Recovery



## Submittal Data

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



### Heat Recovery Features

- Modules available from 6 to 28 tons
- Modules have inverter-driven scroll compressors
- Direct-drive, inverter-driven outdoor motor
- Up to 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  
 (-25° 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

Header Model			38VMA288RDS5-1
<b>PERFORMANCE</b>			
Nominal Cooling Capacity	Btu/h	287,700	
Nominal Heating Capacity	Btu/h	323,000	
Maximum Total Connected Indoor Unit Capacity			50% to 150%
<b>SIMULTANEOUS COOLING AND HEATING EFFICIENCY†</b>			
SCHE, Ducted FCUs		27.0	
SCHE, Ductless FCUs		29.3	
<b>COOLING EFFICIENCY†</b>			
EER/IEER, Ducted FCUs	Btu/Wh	9.8/20.5	
Power Consumption, Ducted FCUs	kW	27.96	
EER/IEER, Ductless FCUs	Btu/Wh	10.4/21.0	
Power Consumption, Ductless FCUs	kW	26.35	
<b>HEATING EFFICIENCY†</b>			
COP at 47°F, Ducted FCUs	W/W	3.42	
Power Consumption, Ducted FCUs	kW	25.54	
COP at 47°F, Ductless FCUs	W/W	3.38	
Power Consumption, Ductless FCUs	kW	25.84	
Fan Type (Qty)	Propeller (4)		
Airflow, Standard Range	CFM	15,500	
Sound Pressure	dBA	64.8	
External Static Pressure*	in. wg	0.24	

### LEGEND

db	— Dry Bulb
COP	— Coefficient of Performance
EER	— Energy Efficiency Ratio
FCU	— Fan Coil Unit
IEER	— Integrated Energy Efficiency Ratio
wb	— Wet Bulb
SCHE	— Simultaneous Cooling and Heating Efficiency

ELECTRICAL		
Power Supply	V/Ph/Hz	208-230/3/60
Minimum Circuit Amps (MCA)	A	104
Recommended Fuse Size	A	110
COMPRESSORS		
Type (Number)		Inverter Hermetic Scroll (3)
FAN MOTOR		
Motor Type (Steps)	Brushless DC (35)	
Motor Output	kW	0.265 x 4
PHYSICAL DATA		
Pipe Connection Size - Liquid (High Pressure)	in.	1-1/8
Pipe Connection Size - Gas (Low Pressure)	in.	1-3/8
Refrigerant	R-410A	
Factory Charge††	lb	77.2
Unit Width	in.	105-7/8
Unit Height	in.	64-3/8
Unit Depth	in.	31-1/8
Net Weight	lb	1627

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

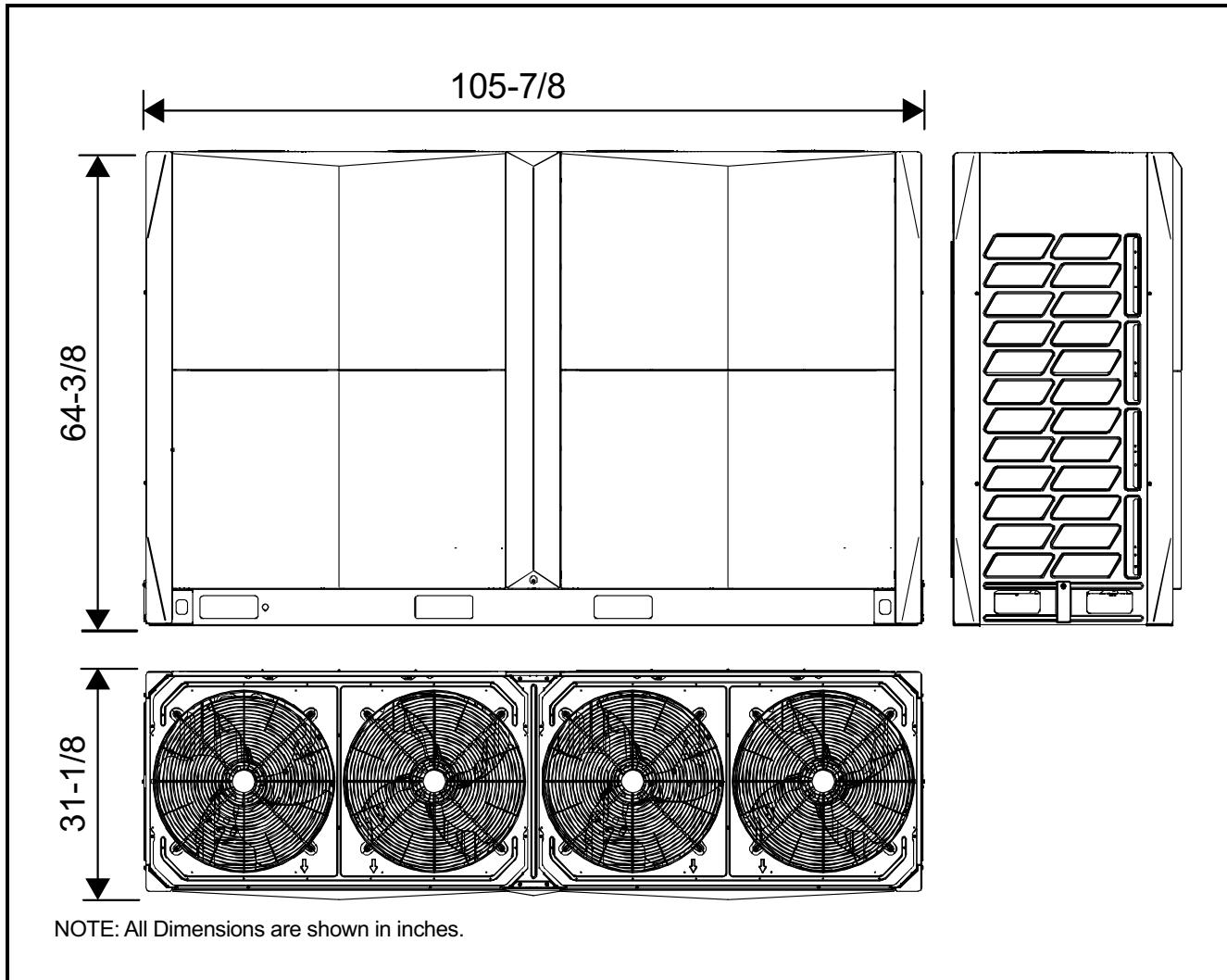
Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db  
 Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb

\*Requires setting by menu functions.

††Additional charge required.

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

**DIMENSIONAL DRAWING  
OUTDOOR UNIT 38VMA288RDS5-1**



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