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
- 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		
PERFORMANCE				
Nominal Cooling Capacity	Btu/h	288,000		
Nominal Heating Capacity	Btu/h	323,000		
Maximum Total Connected Indoor Unit Capacity		50% to 150%		
SIMULTANEOUS COOLING AND HEATING EFFICIENCY†				
SCHE, Ducted FCUs		27.0		
SCHE, Ductless FCUs		29.3		
COOLING EFFICIENCY†				
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		
HEATING EFFICIENCY†				
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

Dry Bulb
Coefficient of Performance
Energy Efficiency Ratio
Fan Coil Unit
Integrated Energy Efficiency Ratio
Wet Bulb
Simultaneous Cooling and Heating

Integrated Energy Efficiency Ratio
Wet Bulb
Simultaneous Cooling and Heating Efficiency

ELECTRICAL		
Power Supply	V/Ph/Hz	208-230/3/60
Minimum Circuit Amps (MCA)	Α	104
Recommended Fuse Size	Α	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

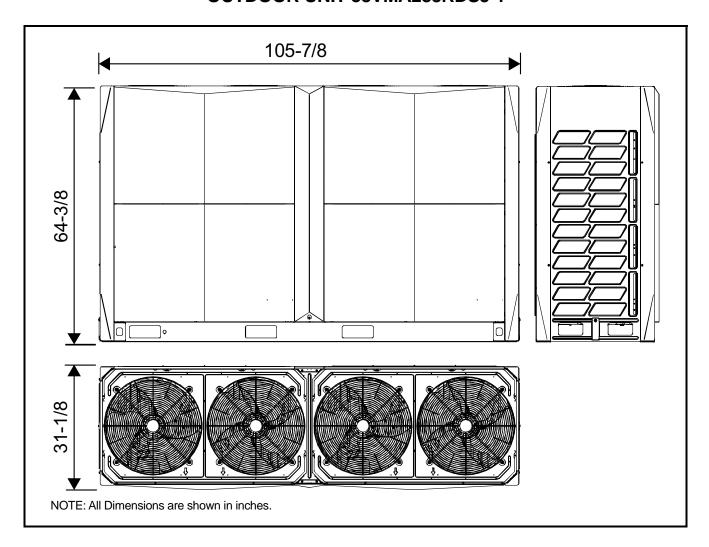
Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb

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

^{*}Requires setting by menu functions.

^{††}Additional charge required.

DIMENSIONAL DRAWING OUTDOOR UNIT 38VMA288RDS5-1







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