VRF Outdoor Unit 38VMA312RDS5-1 - 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 ٠ 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 ٠

Header Model		38VMA312RDS5-1				
PERFORMANCE						
Nominal Cooling Capacity	Btu/h	312,000				
Nominal Heating Capacity	Btu/h	342,000				
Maximum Total Connected Indoor Unit Capacity		50% to 150%				
SIMULTANEOUS COOLING AND HEATING EFFICIENCY†						
SCHE, Ducted FCUs		26.5				
SCHE, Ductless FCUs		28.5				
COOLING EFFICIENCY†						
EER/IEER, Ducted FCUs	Btu/Wh	9.5/19.8				
Power Consumption, Ducted FCUs	kW	31.16				
EER/IEER, Ductless FCUs	Btu/Wh	9.3/20.2				
Power Consumption, Ductless FCUs	kW	31.83				
HEATING EFFICIENCY†						
COP at 47°F, Ducted FCUs	W/W	3.36				
Power Consumption, Ducted FCUs	kW	27.39				
COP at 47°F, Ductless FCUs	W/W	3.2				
Power Consumption, Ductless FCUs	kW	28.85				
Fan Type (Qty)	Propeller (4)					
Airflow, Standard Range	CFM	16,500				
Sound Pressure	dBA	66.4				
External Static Pressure*	in. wg	0.24				

LEGEND

db COP EER FCU

IEER

wb SCHE

END
 Dry Bulb
 Coefficient of Performance
 Energy Efficiency Ratio
 Fan Coil Unit
 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)	A	106	
Recommended Fuse Size	A	110	
COMPRESSORS			
Type (Number)		Inverter Hermetic Scroll (3)	
FAN MOTOR			
Motor Type (Steps)	Brushless DC (35)		
Motor Output	kW	0.31 x 4	
PHYSICAL DATA			
Pipe Connection Size - Liquid (High Pressure)	in.	1-1/8	
Pipe Connection Size - Gas (Low Pressure)	in.	1-5/8	
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.

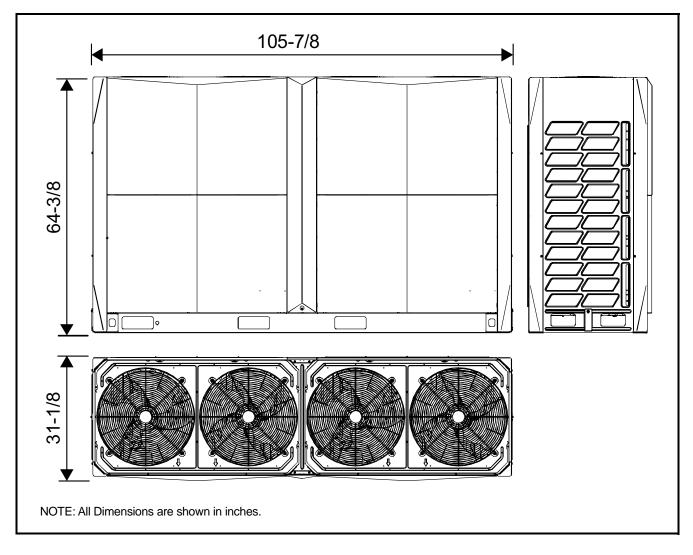
Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb *Requires setting by menu functions.

††Additional charge required.

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

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.							
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DIMENSIONAL DRAWING OUTDOOR UNIT 38VMA312RDS5-1





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