## **VRF Outdoor Unit** 38VMA240RDL6-1 - 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		38VMA240RDL6-1				
PERFORMANCE						
Nominal Cooling Capacity	Btu/h	240,000				
Nominal Heating Capacity	Btu/h	270,000				
Maximum Total Connected Indoor Unit Capacity		50% to 150%				
SIMULTANEOUS COOLING AND HEATING EFFICIENCY†						
SCHE, Ducted FCUs		28.0				
SCHE, Ductless FCUs		30.0				
COOLING EFFICIENCY†						
EER/IEER, Ducted FCUs	Btu/Wh	11.0/21.1				
Power Consumption, Ducted FCUs	kW	20.73				
EER/IEER, Ductless FCUs	Btu/Wh	11.2/22.4				
Power Consumption, Ductless FCUs	kW	20.36				
HEATING EFFICIENCY†						
COP at 47°F, Ducted FCUs	W/W	3.57				
Power Consumption, Ducted FCUs	kW	21.02				
COP at 47°F, Ductless FCUs	W/W	3.71				
Power Consumption, Ductless FCUs	kW	20.22				
Fan Type (Qty)	Propeller (4)					
Airflow, Standard Range	CFM	14,500				
Sound Pressure	dBA	64.0				
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	460/3/60
Minimum Circuit Amps (MCA)	А	52
Recommended Fuse Size	А	60
COMPRESSORS		
Type (Number)		Inverter Hermetic Scroll (3)
FAN MOTOR		
Motor Type (Steps)	Brushless DC (35)	
Motor Output	kW	0.235 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.

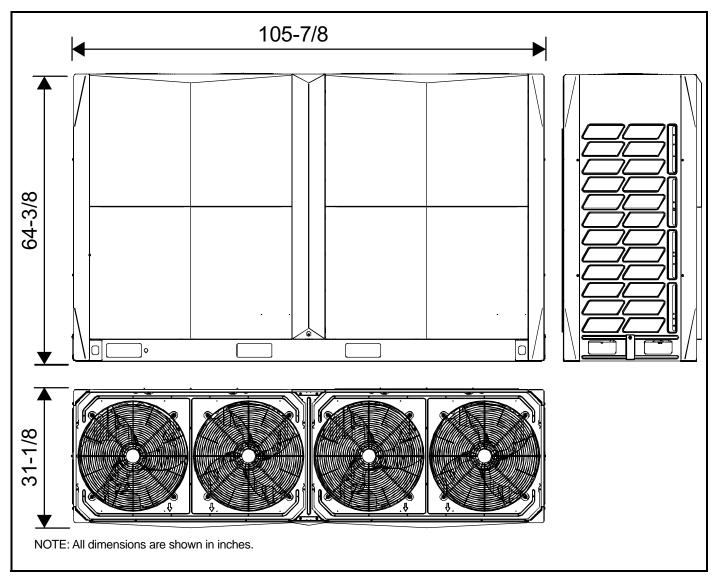
Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb \*Requires setting by menu functions.

††Additional charge required.

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

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 38VMR240L6-C-1SD	Pg 1	02-17	Replaces: New			

### DIMENSIONAL DRAWING OUTDOOR UNIT 38VMA240RDL6-1





© Carrier Corporation 2017