37VMH
VRF Heat Pump Outdoor Unit
37VMA168HDS6-1

Submittal Data

Job Name _____ Location _____

Tag _____

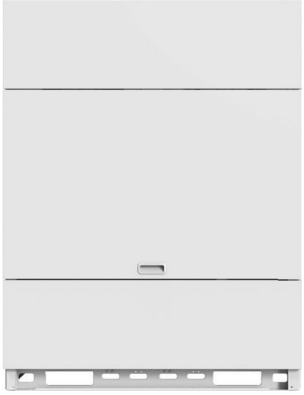

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Fig. 1 – Heat Pump Outdoor Unit

VRF Heat Pump Features

- Systems are offered as heat pump only.
- Units are offered in 3ph 60Hz 230V (208V-230V) and 3ph 60Hz 460V configurations.
- Indoor units are powered from a dedicated power supply (not powered by outdoor unit).
- The system will utilize R-454B as a refrigerant.
- Heating Operation Range: -22°F to 86°F
- Cooling Operation Range: 5°F to 126°F

UNIT MODEL	37VMA168HDS6-1	
PERFORMANCE		
Cooling Capacity	Btu/h	168,000
Heating Capacity	Btu/h	188,000
Maximum Total Connected Indoor Units		26
COOLING EFFICIENCY*		
EER, Ducted FCUs	Btu/Wh	10.2
EER, Ductless FCUs	Btu/Wh	10.4
IEER, Ducted FCUs	Btu/Wh	20.6
IEER, Ductless FCUs	Btu/Wh	21.8
HEATING EFFICIENCY*		
COP, Ducted FCUs	kW	3.26
COP, Ductless FCUs	kW	3.4
Airflow	CFM	10333
System Sound Pressure, Cooling/Heating	dBA	64/66
ELECTRICAL		
Power Supply	V/Ph/Hz	460/3/60
Minimum Circuit Amps (MCA)	A	34
Maximum Overcurrent Protection (MOP)	A	40

COMPRESSORS		
Type (Number)	DC Inverter Scroll (2)	
Compressor Rated Load Amps	A	13.5 + 13.5
FAN MOTOR		
Motor Type (Qty.)	Propeller Fan (2)	
Motor Output	W	840 + 840
PHYSICAL DATA		
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8
Pipe Connection Size - Liquid (High Pressure)	in.	5/8
Refrigerant		R-454B
Factory Charge†	lbs.	22.04
Unit Width	in.	52-3/4
Unit Height	in.	69-5/16
Unit Depth	in.	32-1/2
Unit Net Weight	lbs.	825

*. Rated per AHRI (Air-Conditioning, Heating and Refrigeration Institute) 210/240 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
†. Additional charge required.

Footnote Legend

db	Dry Bulb
SEER	Seasonal Energy Efficiency Ratio
FCU	Fan Coil Unit
HSPF	Heating Seasonal Performance Factor
wb	Wet Bulb

OUTDOOR UNIT HEAT PUMP 37VMA168HDS6-1
DIMENSIONAL DRAWING

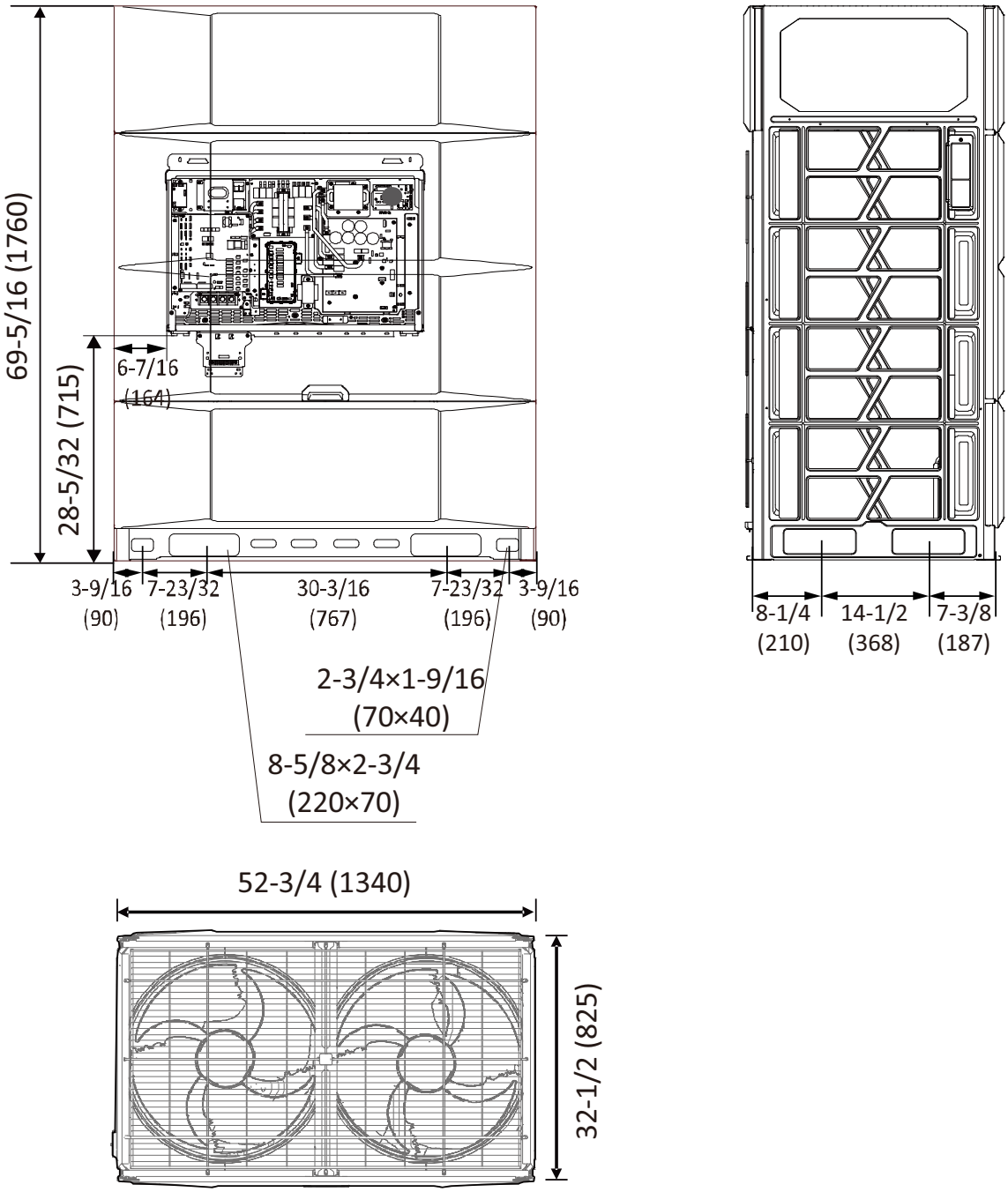

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Fig. 2 – Dimensional Drawing

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