37VMH
VRF High Heat Heat Pump Outdoor Unit
37VMA072HDS5H1

Submittal Data

Job Name_____ Location_____
Tag _____

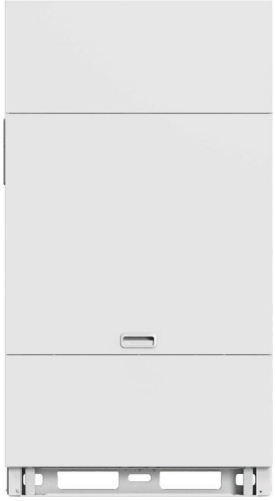

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Fig. 1 – High Heat Heat Pump Outdoor Unit

VRF High Heat 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	37VMA072HDS5H1	
PERFORMANCE		
Nominal Cooling Capacity	Btu/h	72,000
Nominal Heating Capacity	Btu/h	80,000
Maximum Total Connected Indoor Units		13
COOLING EFFICIENCY*		
EER, Ducted FCUs	Btu/Wh	12.2
EER, Ductless FCUs	Btu/Wh	12.7
IEER, Ducted FCUs	Btu/Wh	22
IEER, Ductless FCUs	Btu/Wh	23
HEATING EFFICIENCY*		
COP, Ducted FCUs	kW	3.87
COP, Ductless FCUs	kW	4.3
Airflow	CFM	8800
System Sound Pressure, Cooling/Heating	dBA	62/64
ELECTRICAL		
Power Supply	V/Ph/Hz	208-230/3/60
Minimum Circuit Amps (MCA)	A	45
Maximum Overcurrent Protection (MOP)	A	50

COMPRESSORS		
Type (Number)	DC Inverter Scroll (1)	
Compressor Rated Load Amps	A	31
FAN MOTOR		
Motor Type (Qty.)	Propeller Fan (2)	
Motor Output	W	665 + 665
PHYSICAL DATA		
Pipe Connection Size - Gas (Low Pressure)	in.	3/4
Pipe Connection Size - Liquid (High Pressure)	in.	3/8
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.	639

*. 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 HIGH HEAT HEAT PUMP 37VMA072HDS5H1 DIMENSIONAL DRAWING

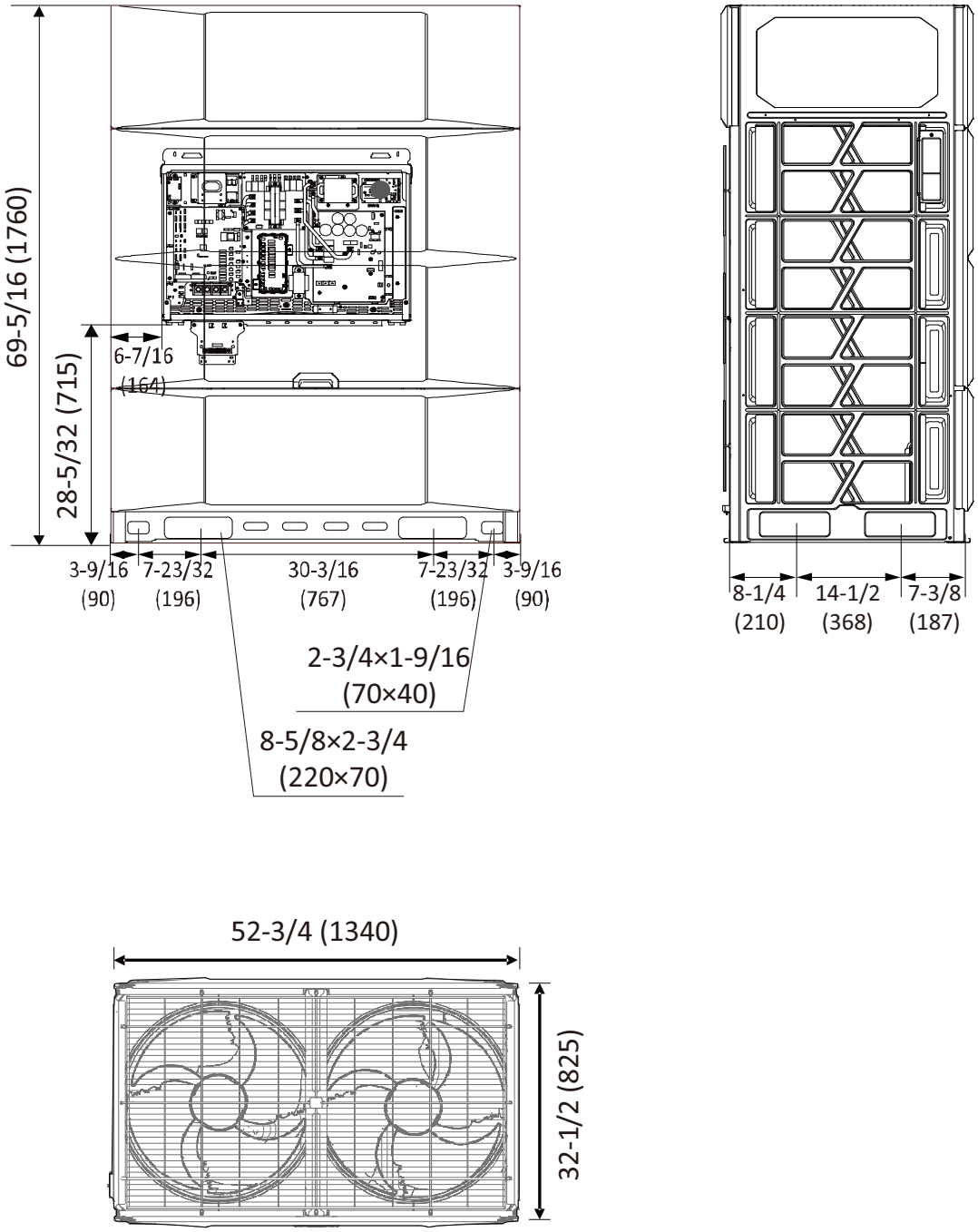

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Fig. 2 – Dimensional Drawing

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Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.