37VMH
VRF High Heat Heat Pump Outdoor Unit
37VMA144HDS5H1

Submittal Data

Job Name _____ Location _____

Tag _____

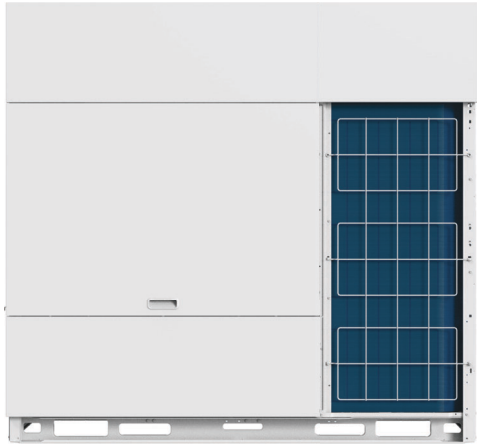

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Fig. 1 – High Heat Heat Pump Outdoor Unit

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	37VMA144HDS5H1	
PERFORMANCE		
Nominal Cooling Capacity	Btu/h	144,000
Nominal Heating Capacity	Btu/h	160,000
Maximum Total Connected Indoor Units		23
COOLING EFFICIENCY*		
EER, Ducted FCUs	Btu/Wh	11.6
EER, Ductless FCUs	Btu/Wh	12.1
IEER, Ducted FCUs	Btu/Wh	21.5
IEER, Ductless FCUs	Btu/Wh	22.5
HEATING EFFICIENCY*		
COP, Ducted FCUs	kW	3.68
COP, Ductless FCUs	kW	3.96
Airflow	CFM	8800 + 8800
System Sound Pressure, Cooling/Heating	dBA	65/67
ELECTRICAL		
Power Supply	V/Ph/Hz	208-230/3/60
Minimum Circuit Amps (MCA)	A	45 + 45
Maximum Overcurrent Protection (MOP)	A	50 + 50

COMPRESSORS		
Type (Number)	DC Inverter Scroll x 1 (2)	
Compressor Rated Load Amps	A	31 + 31
FAN MOTOR		
Motor Type (Qty.)	Propeller Fan x 2 (2)	
Motor Output	W	(665+665)+(665+665)
PHYSICAL DATA		
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8
Pipe Connection Size - Liquid (High Pressure)	in.	1/2
Refrigerant		R-454B
Factory Charge†	lbs.	22.04 + 22.04
Unit Width	in.	52-3/4 x 2
Unit Height	in.	69-5/16 x 2
Unit Depth	in.	32-1/2 x 2
Unit Net Weight	lbs.	639 + 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.

OUTDOOR UNIT HIGH HEAT HEAT PUMP 37VMA144HDS5H1 DIMENSIONAL DRAWING

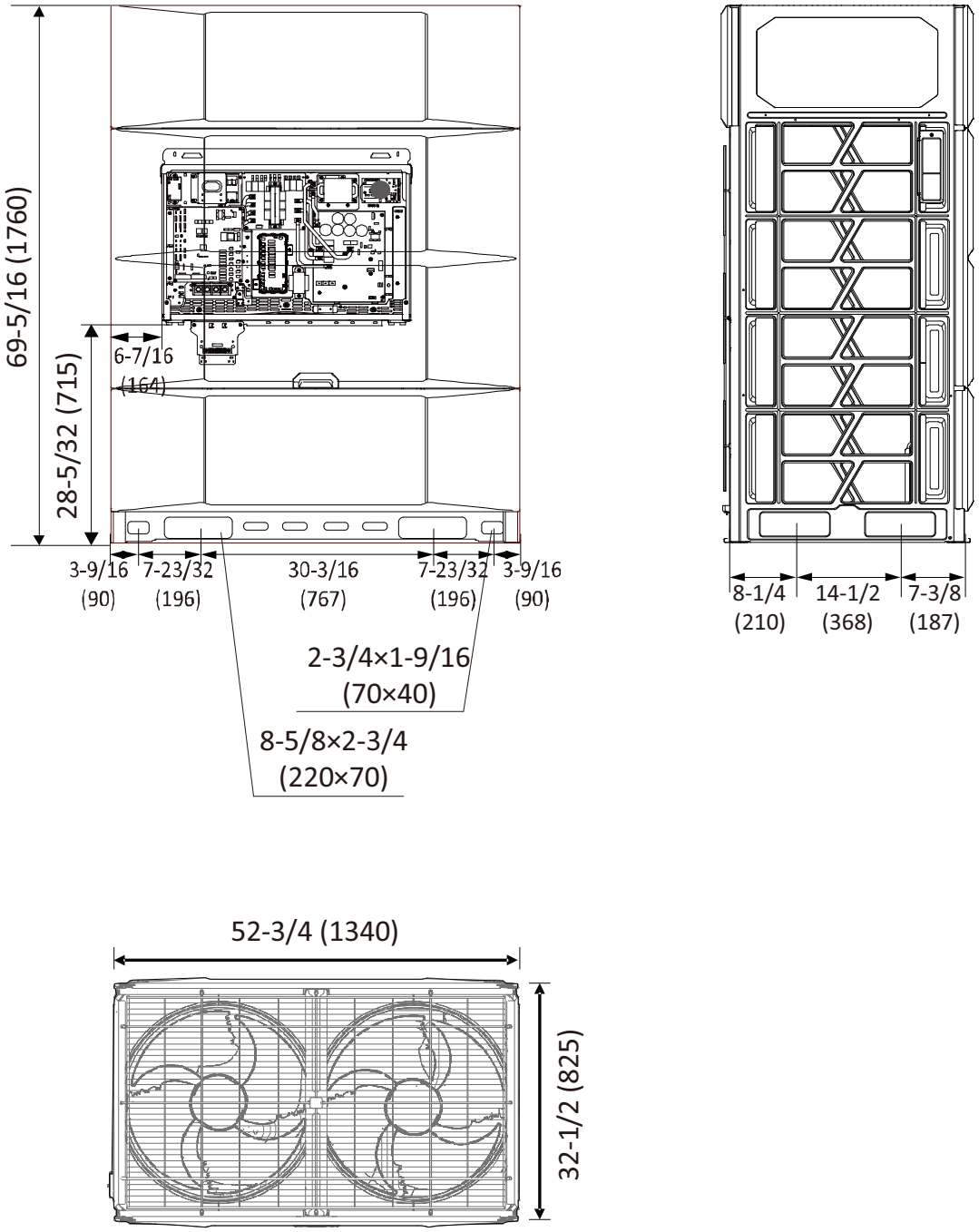

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Fig. 2 – Dimensional Drawing

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