

Specification Sheet

V-220/V-220 MAX



Thermo King has a Direct Drive unit to meet the needs of your specific application—fresh or frozen!

R-134a Refrigerant for Fresh Applications

- Lower pressure refrigerant means a longer unit lifespan
- More reliable with better temp management for fresh loads

R-404A Refrigerant for Frozen Applications

- Greater cooling capacity
- Better temp management for frozen loads

Unit Features

- Engine-driven compressor
- Modular design system
- SmartPower electric standby option
- DSR-III controller
- Jet Lube compressor lubrication
- Jet Cool compressor injection cooling (R-404A MAX units)
- Automatic hot gas defrost
- Hour meters - Road/standby/total hours plus maintenance counter
- Coolant heat and hot gas heat options
- Unit includes installation kit

Engine Mounted Compressor

The TM 13 is typically the appropriate compressor and is available with the following belt configurations:

- Double A groove
- Poly V groove



System Performance

V-220 Refrigeration Capacity (System net cooling capacity at 100°F ambient and high speed engine operation)

	Engine Power BTU/hr	SmartPower Electric Standby BTU/hr
35°F	5,930	4,700
0°F*	N/A	2,120
Refrigerant: R-134a (Ideally suited for fresh applications - temperature locked out below 25°F)		
Ozone Depletion Potential		Zero
Chlorine		Zero

V-220 MAX Refrigeration Capacity (System net cooling capacity at 100°F ambient and high speed engine operation)


	Engine Power BTU/hr	SmartPower Electric Standby BTU/hr
35°F	7,160	5,250
0°F	4,775	3,410
-20°F	3,170	2,265
Refrigerant: R-404A (Ideally suited for higher capacity frozen applications)		
Ozone Depletion Potential		Zero
Chlorine		Zero

V-220/V-220 MAX Specifications

Compressor: 6 cylinder, housed in condensing unit	
Displacement	8.0 inches ³
Evaporator: ES220	
Airflow Capacity	650 cfm
Heating Capacity (Optional)	BTU/hr
Engine Coolant Heat	14,400
Electric Heater Strips	5,000
Hot Gas Heating (Not available on V-220 Series)	N/A
Electric Standby Options	Total Standby Current Consumption
230V/1 Phase/50 Hz	7.9A
230V/1 Phase/60 Hz	9.5A
115V/1 Phase/60 Hz	14.0A
System Weight	
V-220 10/10 MAX Condenser w/o SmartPower	73 lbs
V-220 20/20 MAX Condenser w/SmartPower	155.3 lbs
ES220 Evaporator	29.5 lbs
Installation Kit	62 lbs
Heating Kit	10 lbs

*Temperature locked out below 25°F.

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