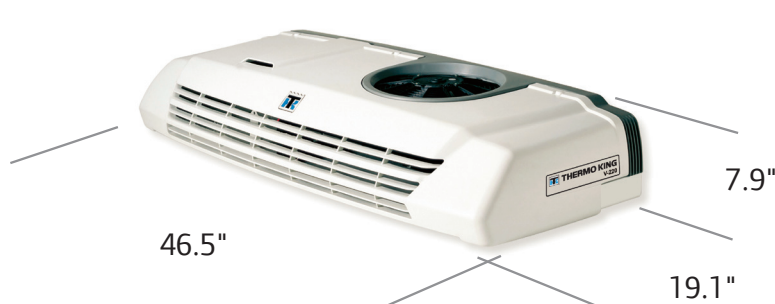


## SPECIFICATION SHEET

# 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
- Temps down to 25°F

### R-404A Refrigerant for Frozen Applications

- Greater cooling capacity
- Better temp management for frozen loads
- Temps down to -20°F



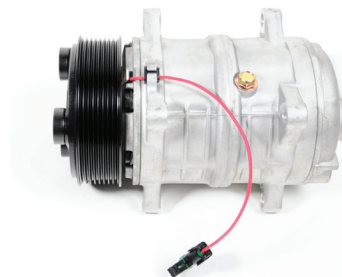
## Unit Features

- Engine-driven compressor
- Modular design system
- SmartPower™ electric standby option
- Direct Smart Reefer® 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, electric and hot gas heat options
- Unit includes installation kit

## Engine Mounted Compressor

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

- Double A groove
- Poly V groove
- 7.99 in<sup>3</sup> disp.



# 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	N/A
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

Standby Compressor: 6 cylinder, housed in condensing unit for standby systems. Housed in engine compartment for all others.	
Displacement	7.99 inches <sup>3</sup>
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/3 Phase/60 Hz	11.0 A
230V/1 Phase/60 Hz	14.0 A
115V/1 Phase/60 Hz	22.0 A
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 (hose kit not included in weight)	11.2 lbs
Heating Kits	20 lbs

\*Temperature locked out below 25°F on R-134a units.

All Thermo King equipment is backed by the Thermo King dealer service network, with nearly 200 locations across North America.

