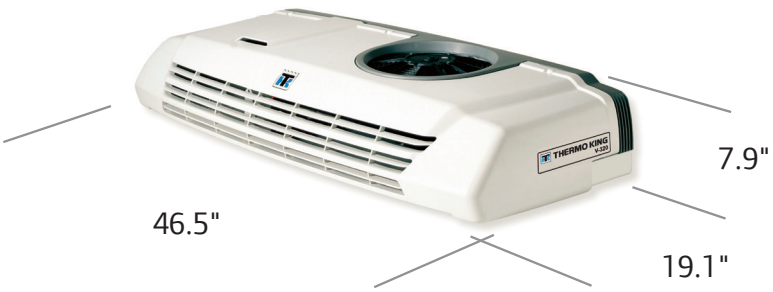
THERMO KING

SPECIFICATION SHEET

V-320/V-320 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-452A Refrigerant for Frozen Applications

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

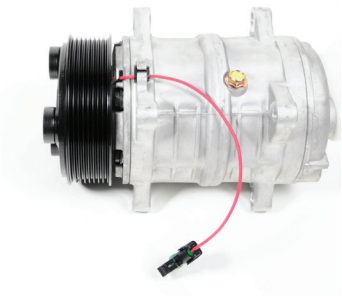
Unit Features

- Engine-driven compressor
- Modular design system
- SmartPower™ electric standby option
- Direct Smart Reefer® III controller
- Jet Lube compressor lubrication
- Jet Cool compressor injection cooling (V-320 MAX)
- 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 15 is typically the appropriate compressor and is available with the following belt configurations:

- Double A groove
- Poly V groove
- Variable groove
- 8.91 in^3 disp.



System Performance

V-320 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	9,590	6,690
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-320 MAX Refrigeration Capacity (System net cooling capacity at 100°F ambient and high speed engine operation)

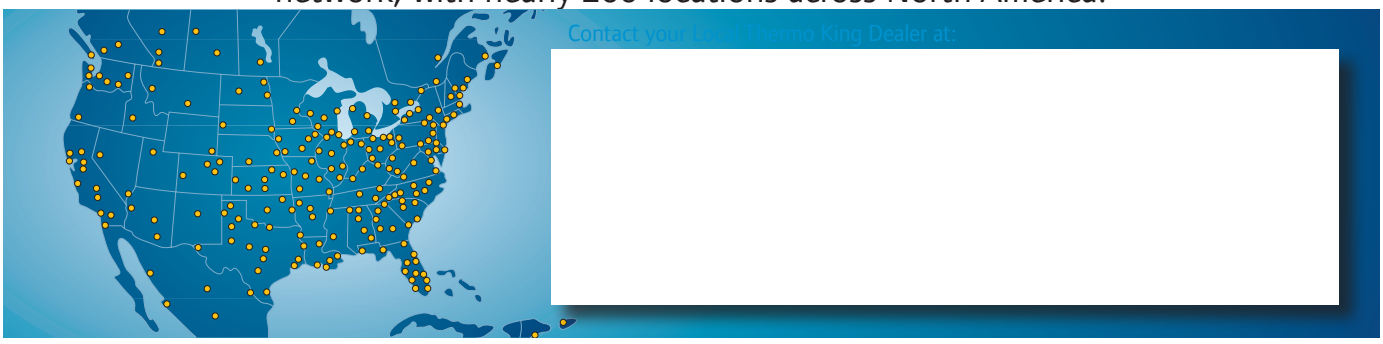
	Engine Power BTU/hr	SmartPower Electric Standby BTU/hr
35°F	10,015	5,801
0°F	5,835	3,790
-20°F	3,535	2,565
Refrigerant: R-452A (Ideally suited for higher capacity frozen applications)		
Ozone Depletion Potential		Zero
Chlorine		Zero

V-320/V-320 MAX Specifications

Standby Compressor: 6 cylinder, housed in condensing unit for standby systems only. Housed in engine compartment for all others.	
Displacement	8.91 inches^3
Evaporator: ES300	
Airflow Capacity	765 cfm
Heating Capacity (Optional)	BTU/hr
Engine Coolant Heat	14,400
Electric Heater Strips	5,000
Hot Gas Heating (Truck Engine)	10,875
Hot Gas Heating (Electric Standby)	5,393
Electric Standby Options	Total Standby Current Consumption
230V/3 Phase/60 Hz	11.0A
230V/1 Phase/60 Hz	14.0A
115V/1 Phase/60 Hz	22.0A
System Weight	
V-320 10/10 MAX Condenser w/o SmartPower	73 lbs
V-320 20/20 MAX Condenser w/SmartPower	155.3 lbs
ES320 Evaporator V-320-10/20/20 MAX	34.5 lbs
ES320 Evap V-320-10 MAX/30 MAX/50 MAX	53.0 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.



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