THERMO KING

SPECIFICATION SHEET

V-520 RT/V-520 RT MAX

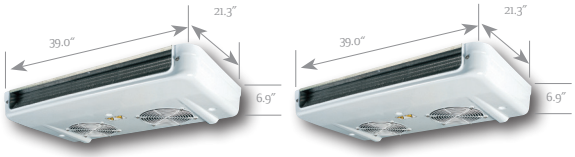
Without SmartPower



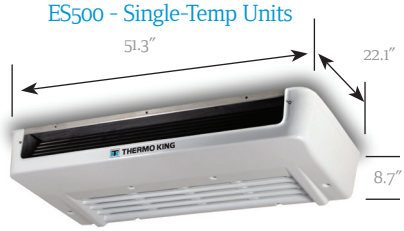


With SmartPower

ES300 - SPECTRUM Units



ES500 - Single-Temp Units



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-452A 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 controller
- Jet Lube compressor lubrication
- Jet Cool compressor injection cooling
- Automatic hot gas defrost
- Optional heating package
- Installation kit

Engine Mounted Compressor

V-520 RT units use a swash plate compressor and it is available with the following belt configurations:

- Double A groove
- Poly V groove



System Performance

V-520 RT Refrigeration Capacity

(System net cooling capacity at 100°F ambient and 2,400 RPM engine operation)

	35°F	0°F
Engine Power Swash Plate (BTU/hr)	12,200	5,000
Engine Power Recip. Comp. (BTU/hr)	13,700	5,410
Smart Power Electric Standby (BTU/hr)	10,000	3,500
Refrigerant		R-134a
Charge		3.5 lbs
Ozone Depletion Potential		Zero
Chlorine		Zero

V-520 RT MAX and V-520 RT SPECTRUM™ Refrigeration Capacity

(System net cooling capacity at 100°F ambient and 2,400 RPM engine operation)

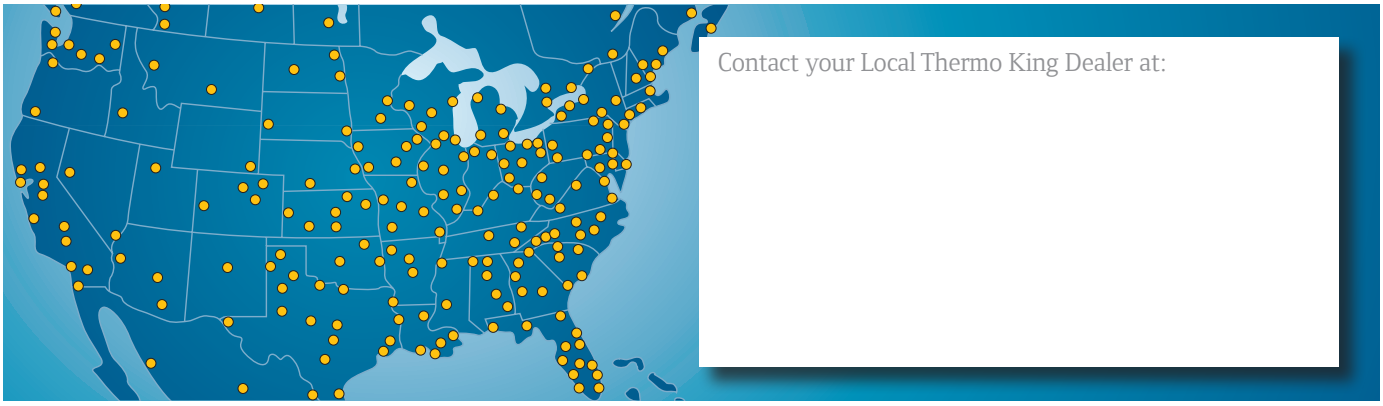
	35°F	0°F	-20°F
Engine Power Swash Plate (BTU/hr)	15,500	8,200	5,000
Engine Power Recip. Comp. (BTU/hr)	16,600	8,700	5,300
Smart Power Electric Standby (BTU/hr)	10,400	6,600	3,500
Refrigerant			R-452A
Charge			3.5 lbs

V-520 RT and V-520 RT MAX System Specifications

Evaporator Airflow Capacity	
ES500 (Single Temp)	1,415 cfm
ES300 (Multi Temp)	765 cfm
Electric Standby Option	**Total Current Consumption**
230V/1 Phase/60 Hz	12.7A
230V/3 Phase/60 Hz	14.1A
Hot Gas Heat Option (MAX Only)	
BTU/HR	14,000

System Weight	
V-520 RT Condensing Unit (w/o SmartPower)	101 lbs
V-520 RT Condensing Unit (w/SmartPower)	190 lbs
ES500 Evaporator (Single Temp)	60 lbs
ES300 Evaporator (SPECTRUM Multi Temp [2 req'd])	40 lbs
Swashplate Compressor	16 lbs
Install Kit	10 lbs
Hose Kit	16 lbs

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



Contact your Local Thermo King Dealer at:

TK 55050-18-PL (2/12)
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