



T-1090 SPECTRUM SPECIFICATIONS

T-90 SERIES... EXPECT MORE.

Since 1938, Thermo King's priority has been to develop innovative products that meet and exceed the ever changing needs of our customers.

The development of the T-90 Series of transport refrigeration units for straight trucks continues the legacy of customer-focused innovation. Taking our self-powered truck refrigeration models to a new level, the next-generation T-90 Series offers the right solutions for today's challenges. Whether you're looking for more capacity, trustworthy reliability and performance, fuel efficiency, unprecedented temperature pull-down and recovery, convenient maintenance intervals, or all of the above, the T-90 Series will not let you down. And now with the integration of our ConnectedSuite™ telematics package and the standardization of our premium HMI included, you truly get MORE WITH THERMO KING.



KEY OPTIONS

Customize your unit to fit your business needs:

- SmartPower™ Electric Standby (230V and 460V)
- Whisper® Noise Reduction
- Solar panels (40W and 110W options)
- Arctic Package
- S2/S3 Remote Evaps
- Top Screen
- Body Mount HMI
- Monitor Package
- S2/S3 Remote Evaps Guards
- Snow Cover
- TouchPrint Premium
- Electronic Door Switches

SYSTEM PERFORMANCE

Refrigeration capacity: System net cooling capacity at 100°F ambient temperature and high speed engine/60 Hertz electric power

Return air to evaporator			
	35°F	0°F	-20°F
Engine power BTU/hr (Up to)	34,000	22,000	13,000
Electric power BTU/hr (Up to)	28,500	16,500	9,000
Heating capacity (35°F/0°F ambient)			
Engine power (BTU/hr)		19,000	
Electric power (BTU/hr)		13,500	
Airflow: on high speed engine operation			
Airflow volume @ 0 Pa static pressure		N/A	
Weight (Condensing Unit):			
Standard: cooling/heating on engine operation		883 lbs	
With SmartPower electric standby: cooling/heating on engine/electric standby		992 lbs	
Engine: 3 cylinder, liquid cooled			
Model		TK 380	
Rating		19.3 hp	
Maintenance Interval		2000 hrs	
Compressor: lightweight aluminum alloy			
Model		X-430	
Displacement		30 cu. in.	
Electric standby motor (option1)			
Voltage / phase / cycles		200 - 230 / 3 / 60	
Rating		12 hp	
Electric standby motor (option2)			
Voltage / phase / cycles		460 / 3 / 60	
Rating		12 hp	
Refrigerants: R-404A zero Ozone Depletion Potential (ODP), internationally approved			
Charge		N/A	

