



# 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:*

- |   |   |  |  |
|---|---|--|--|
| <input type="checkbox"/> SmartPower™ Electric Standby (230V and 460V) | <input type="checkbox"/> Whisper® Noise Reduction | <input type="checkbox"/> Solar panels (40W and 110W options) | <input type="checkbox"/> Arctic Package  |
| <input type="checkbox"/> S2/S3 Remote Evaps                           | <input type="checkbox"/> Top Screen               | <input type="checkbox"/> Body Mount HMI                      | <input type="checkbox"/> Monitor Package |
| <input type="checkbox"/> S2/S3 Remote Evaps Guards                    | <input type="checkbox"/> Snow Cover               | <input type="checkbox"/> TouchPrint Premium                  |  |
|   | <input type="checkbox"/> 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		

