



T-590 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
- Top Screen
- Snow Cover
- Solar panels (40W and 110W options)
- Electronic Door Switches
- Body Mount HMI
- TouchPrint Premium
- Arctic Package
- Monitor Package

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)	15,500	10,000	5,500
Electric power BTU/hr (Up to)	14,000	8,000	5,000
Heating capacity (35°F/0°F ambient)			
Engine power (BTU/hr)	10,500		
Electric power (BTU/hr)	6,000		
Airflow: on high speed engine operation			
Airflow volume @ 0 Pa static pressure	1,500 ft³/min		
Weight (Condensing Unit):			
Standard: cooling/heating on engine operation	910 lbs		
With SmartPower electric standby: cooling/heating on engine/electric standby	973 lbs		
Engine: 3 cylinder, liquid cooled			
Model	TK 374		
Rating	13.3 hp		
Maintenance Interval	2000 hrs		
Compressor: lightweight aluminum alloy			
Model	X-214		
Displacement	14 cu. in.		
Electric standby motor (option1)			
Voltage / phase / cycles	200 - 230 / 3 / 60		
Rating	7.2 hp		
Electric standby motor (option2)			
Voltage / phase / cycles	460 / 3 / 60		
Rating	7.2 hp		
Refrigerants: R-452A zero Ozone Depletion Potential (ODP), internationally approved			
Charge	5.3 lbs		

