



T-1090 & T-1090 MAX 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

- ☐ PTC Precsion Temp Comtrol
- Arctic Package
- Monitor Package
- Premium 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	T-1090	T-1090 MAX
	35°F 0°F -20°F	35°F 0°F -20°F
Engine power BTU/hr (Up to)	32,000 21,000 13,500	35,000 22,500 14,250
Electric power BTU/hr (Up to)	27,000 15,500 11,000	28,500 19,000 13,000
Heating capacity (35°F/0°F ambient)		
Engine power (BTU/hr)	14,000	20,000
Electric power (BTU/hr)	14,000	14,000
Airflow: on high speed engine operation		
Airflow volume @ 0 Pa static pressure	1,800 ft ³ /min	1,800 ft ³ /min
Weight (Condensing Unit):		
Standard: cooling/heating on engine operation	1,014 lbs	1,051 lbs
With SmartPower electric standby: cooling/heating on engine/electric standby	1,123 lbs	1,160 lbs
Engine: 3 cylinder, liquid cooled		
Model	TK 380	TK 380
Rating	19.3 hp	19.3 hp
Maintenance Interval	2000 hrs	2000 hrs
Compressor: lightweight aluminum alloy	V 100	V 100
Model Displacement	X-430 30 cu. in.	X-430 30 cu. in.
Electric standby motor (option1)	50 cu. iri.	50 Cu. III.
	200 - 230 / 3 / 60	200 - 230 / 3 / 60
Voltage / phase / cycles Rating	12 hp	200 - 230 / 3 / 60 12 hp
Electric standby motor (option2)	12116	12116
Voltage / phase / cycles	460 / 3 / 60	460 / 3 / 60
Rating	12 hp	12 hp
Refrigerants: R-404A zero Ozone Depletion Potential (ODP), internationally ap	<u> </u>	
Charge	6.3 lbs	7.5 lbs



