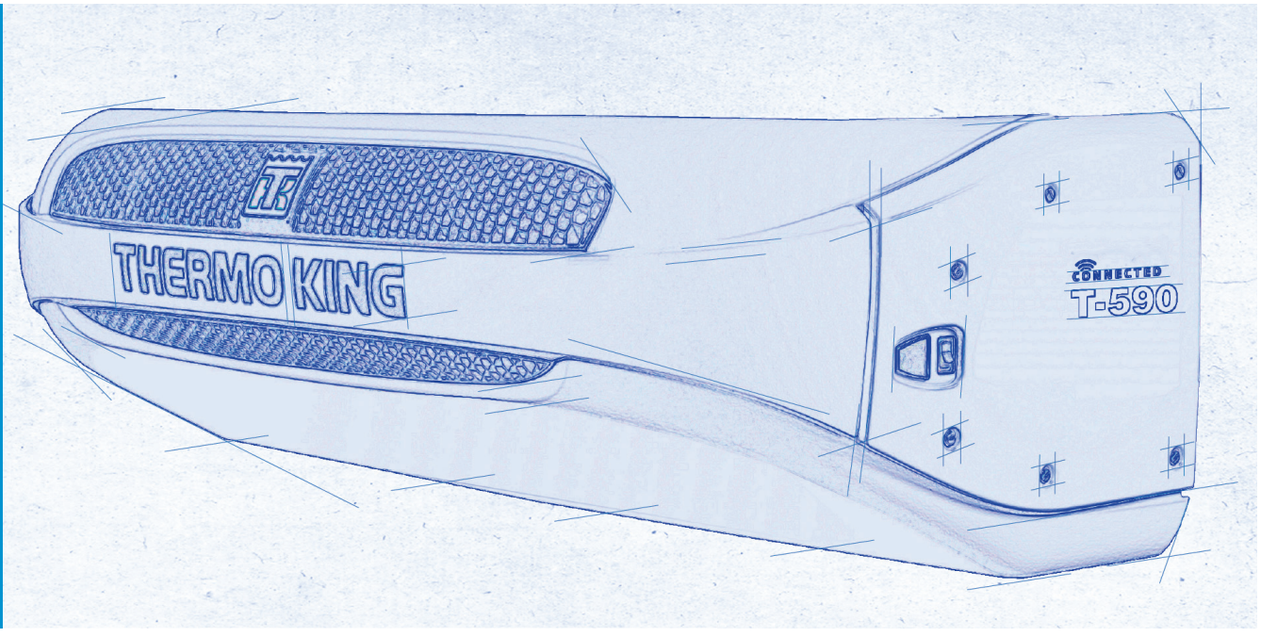


T-590
SPECIFICATIONS



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:

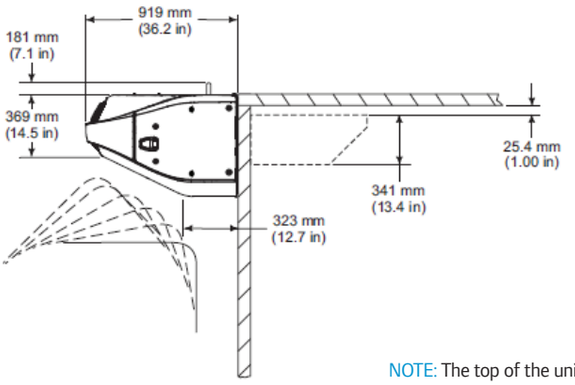
- ☐ SmartPower™ Electric Standby (230V and 460V)
- ☐ Whisper® Noise Reduction
- ☐ Top Screen
- ☐ Snow Cover
- ☐ Solar panels (40W and 110W options)
- ☐ Electronic Door Switches
- ☐ Body Mount HMI
- ☐ TouchPrint Premium
- ☐ Arctic Package
- ☐ Monitor Package

SYSTEM PERFORMANCE

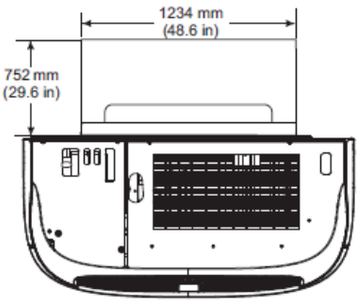
Refrigeration capacity: System net cooling capacity at 100°F ambient temperature and high speed engine/60 Hertz electric power

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 ft^3/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		

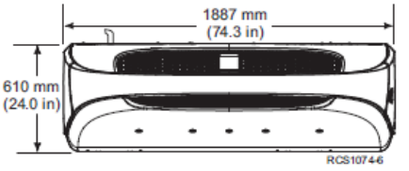
SIDE VIEW



TOP VIEW



FRONT VIEW



NOTE: The top of the unit to be mounted flush with the top of the cargo box when possible. The top of the evaporator to be positioned 25.4 mm (1.00 in.) below ceiling.

The dimension from the top of the cargo box to the evaporator cutout will vary depending on the type of box, truck cab tilt clearance. etc.

TK 56763-1-PL (11/24)
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