



T-Series

An all-new line of self-powered truck units destined to become the new industry benchmark.





Welcome to the all-new T-Series

Delivering what matters.

They're here. After years of engineering research and development. After extensive customer input. After exhaustive testing in the lab and on the road. After all of this and much more, the all-new T-Series line of truck units from Thermo King is ready to deliver what you and your customers demand. Lower life cycle costs. Lower fuel consumption. Cleaner, quieter operation. Unmatched performance and reliability. Greater capacities at lower operating speeds. Precise temperature control. Ease of use and service.

The new T-Series: Delivering what matters.



Greater Fuel Savings

Fuel costs recently reached record levels and take a big bite out of your budget every day. The T-Series

was developed to take advantage of the latest fuel-saving technologies, including:

- ✓ Stationary and Over-the-Road Hybrid SmartPower™ electric operation
- ✓ Fuel efficient engineering for less fuel consumed in all ambient conditions, hauling fresh or frozen
- ✓ ETV (electronic throttling valve) pulls down temperature faster, consuming less fuel to reach the set point
- ✓ Advanced Fuel-Saving Control Technology with the new SR-2 T-Series controller means less fuel consumed



Easy to Use and Service

The latest technological advances mean little if the driver can't use the equipment easily and properly. The T-Series features the intuitive

new SR-2 T-Series controller and other enhancements for easy use and service:

- ✓ Symbolic Display on controller for easy, error-free operation
- ✓ Easy Service Accessibility to electrical and engine compartments
- ✓ Liquid Level Fill Alerts warn of low fluid levels
- ✓ Programmable Service Intervals and Scheduled Maintenance Reminders keep unit running at peak efficiency



Lower Life Cycle Costs

Reducing the everyday costs of operating the reefer was essential in the development of these new units.

The following features of the T-Series will help you realize reduced operating costs, every day you run, for the life of the unit:

- ✓ TSR-2 controller helps ensure correct parameters are set for every load, quickly and easily
- ✓ EMI-2000 means longer service maintenance intervals
- ✓ Our longest truck unit warranty ever (See your Thermo King dealer for details)
- ✓ Hybrid SmartPower™ reduces engine hours, resulting in lower maintenance costs



Cleaner and Quieter


The T-Series was developed not just to meet environmental requirements, but to set new benchmarks in the

reduction of emissions, waste and noise pollution:

- ✓ Hybrid SmartPower™ electric operation produces zero emissions
- ✓ Whisper™ quiet operation
- ✓ Cleanest diesel engine in class
- ✓ EMI-2000 reduces waste
- ✓ Poly-V quiet belt technology reduces noise

*Thermo King is
the Green Leader*

Thermo King offers industry-leading products and solutions that enable businesses around the world to reduce energy consumption and costs and decrease harmful environmental emissions.

The  symbol indicates a feature that delivers a significant environmental advantage over previous models or the competition.

Choose from the Latest in Compressor Technology!



The Most Advanced Scroll Compressors Ever

The clear choice for peak efficiency and maximum cooling capacity.

- High efficiency
- Greater capacity
- Lower fuel consumption
- Less vibration
- Lower diesel emissions
- Less noise

Up to 10% Fuel Savings with Scroll

Results from independent testing based on regional average ambient temperatures.

Estimated Annual Fuel Consumption

■ Scroll ■ Recip

St. Louis test



Boston test



Chicago test



Reliable Reciprocating Compressors

The industry standard for proven reliability and easy service.

- High volumetric efficiency due to more pumping capacity per cubic inch
- Reliable, time-tested design
- Field-repairable for easy service
 - No special tools or facilities required
 - Removable and replaceable cast iron cylinder sleeve design



Over-the-road Hybrid SmartPower™

In addition to our SmartPower electric standby, Thermo King's new T-Series is available with over-the-road Hybrid SmartPower, which provides electric operation while moving.

- ✓ Electric operation uses 40 - 60% less fuel than diesel operation
- ✓ Emissions are reduced by 40 - 60%
- ✓ Less wear and tear on engine for reduced maintenance
- ✓ Reduced noise and vibration by 87%



Reduce maintenance costs and waste with

EMI-2000

extended maintenance interval

- Reduces clean up and disposal costs
- Reduces environmental impact with less spillage and less waste
- Extends engine life
- Lower maintenance costs than competitive models
- More uptime with less time in the shop

The All-M



T-500R



T-600R



T-800R



T-1000R

Replaces	MD-100	MD-200	MD-300	RD-II
Capacity				
35/100	15,000	17,500	20,000	24,000
0/10	9,000	10,500	12,500	16,500
-20/-100	5,250	7,035	7,875	10,500
Engine Heat	11,000	13,000	14,000	15,000
Key Features	<p>Symbolic controller interface Tier 4 diesel engine Electric evap fans ACTiV (Ambient Compensating Throttle Valve)</p> <p>New TSR-2 microprocessor control system Symbolic controller interface Aerodynamic Thermo Plastic recyclable Gelyo injected molded skins with in-mold color Poly-V stretchy belt system with quiet channel technology Self-tensioning idler pulley 60+% part commonality across platform Mini power tray for compressor, motor & pulley Tier 4 diesel engine Robotic welded steel frame with automotive grade 2 coat paint covering Liquid level fill alerts Silicone hoses Time tested TK 2 cylinder reciprocating compressor ACTiV (Ambient Compensating Throttle Valve)</p>			
Key Options	<p>Hybrid SmartPower Hose management system Body mount HMI enclosure systems 134a refrigerant Whisper™ quiet operation Top cover system</p> <p>Hybrid SmartPower operation Hose management system Telematics Data acquisition systems Hand-held SR-2 electronic diagnostic tool Body mount HMI enclosure systems Incremental heating (electric & over the road) 134a refrigerant Whisper quiet operation Top cover system</p>			

Application Chart

Box Size	14	16	18	20	22	24
35°F -2°C	T-500R T-600R	T-500R T-600R	T-500R T-600R	T-600R T-600	T-600R T-600	T-600R T-600
0°F -18°C	T-600R T-600	T-600R T-600	T-600R T-600	T-600R T-600	T-800R T-800	T-1000R T-1000
-20°F -29°C	T-1000R T-800	T-1000R T-1000	T-1000R T-1000	T-1000R T-1000	T-1000R T-1000	T-1000

New T-Series



T-600



T-800



T-1000



T-800
SPECTRUM



T-1000
SPECTRUM

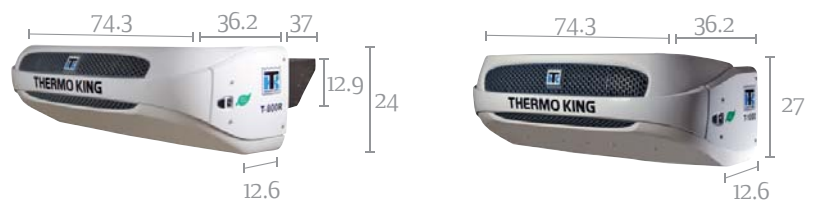
	TS-300	TS-500		
18,500	23,500	27,500	23,500	27,500
12,000	13,500	19,000	13,500	19,000
7,290	8,100	12,960	8,100	12,960
13,000	14,000	15,000	14,000	15,000

- New TSR-2 microprocessor control system
- Symbolic controller interface
- Aerodynamic Thermo Plastic recyclable Gelyo injected molded skins with in-mold color
- Poly-V stretchy belt system with quiet channel technology
- Self-tensioning idler pulley
- 60+% part commonality across platform
- Common power tray for compressor, motor & pulley
- Tier 4 diesel engine
- Robotic welded steel frame with automotive grade 2 coat paint covering
- Liquid level fill alerts
- Silicone hoses
- New generation TK486 scroll compressor
- Whisper quiet operation
- Top cover system
- ACTiV (Ambient Compensating Throttle Valve)

- Hybrid SmartPower operation
- ETV
- Hose management system
- Telematics
- Data acquisition systems
- Hand-held SR-2 electronic diagnostic tool
- Body mount HMI enclosure systems
- Incremental heating (electric & over the road)
- 134a refrigerant

- Hybrid SmartPower operation
- Hose management system
- Telematics
- Data acquisition systems
- Hand-held electronic diagnostic tool
- Body mount HMI enclosure systems
- Incremental heating (electric & over the road)

Specifications (inches)



SPECTRUM S-2 & S-3 Evaps



T-600R
T-600



T-800R
T-800

T-1000R
T-1000

T-1000R
T-1000

Contact
Your Local
Thermo King
Dealer

Contact
Your Local
Thermo King
Dealer

The New TSR-2 Controller

Easy to use. Hard to beat.



Powerful and simple to use, the new TSR-2 Controller makes it easy for your drivers to accurately manage the temperature in the truck, no matter what you're hauling. Step-by-step instructions, depicted in symbolic form, make precisely setting and adjusting the reefer quick and easy, helping your drivers, your customers and, ultimately, your bottom line.

New Symbolic Interface

No language required, so it's easy-to-understand and use, no matter what language the driver speaks. Designed to greatly reduce operator errors.

Fuel Savings

The TSR-2 features several improved fuel-saving features:

- CYCLE-SENTRY™ mode
- ETV
- Economy mode
- Electronic door switch input

Enhanced FreshSet™

Provides the tool to optimize protection of fresh loads and eliminate worries. Combined with the Electronic Throttling Valve (ETV), this system provides optimum unit capacity over the full range of ambient and cargo temperatures.

Improved Diagnosing with ServiceWatch™

Better diagnostics make it easier for drivers to understand and respond to potential problems, the first line of defense in transport refrigeration.

ServiceWatch preventative maintenance logger is a precise built-in recorder that provides improved diagnostics and keeps track of system performance and functionality. It records all operational parameters to significantly improve service diagnostics.

Easy-to-Read LED Display

New LED (Light Emitting Diode) display is bright and clear for better visibility in all light conditions and functions perfectly in all temperature conditions.

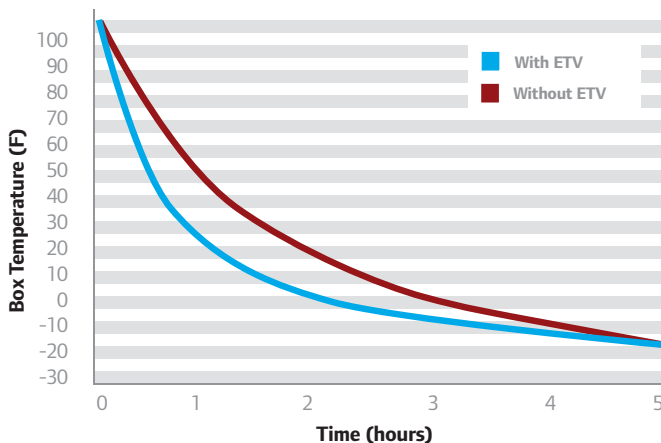
Enhanced Safety and Security

At the end of the day, protecting your load is what it's all about. The TSR-2 was designed to make that job easier and even more effective with:

- Keypad with lock-out
- Mode-lock
- Phase-correction
- Diesel/electric auto switching
- Setpoint warning
- Return or discharge air control (with ETV)
- Liquid fill alerts
- Different security access levels for appropriate personnel
- Engine and electric hour display
- DAS (easy control box access) and TracKing capability

Save time and fuel with ETV

ETV (electronic throttling valve) gets your truck to the right temperature faster.



ETV: The fastest pull down (and pull up) in the industry with less fuel used and fewer emissions

Unmatched Quality and Reliability

Using the latest and most rigorous testing techniques at state-of-the-art R&D centers worldwide, Thermo King's new T-Series delivers unsurpassed quality in every unit.

- Quality and Reliability delivered day 1
- Dedicated engineering and testing
- State-of-the-art testing centers worldwide



T-Series Optional Features

	T-500R	T-600R	T-800R	T-1000R	T-600	T-800	T-1000	SPECTRUM T-800	SPECTRUM T-1000
380/3/50 Electric Motor	■	■	■	■	■	■	■	■	■
220 & 380/3/60 Electric Motor	■	■	■	■	■	■	■	■	■
460/3/60 Electric Motor	■	■	■	■	■	■	■	■	■
Battery (truck)	■	■	■	■	■	■	■	■	■
Battery Box	■	■	■	■	■	■	■	■	■
Body Mount Enclosure for HMI	■	■	■	■	■	■	■	■	■
DAS	■	■	■	■	■	■	■	■	■
Door Switch	■	■	■	■	■	■	■	■	■
Easy-Read Thermometer	■	■	■	■	■	■	■	■	■
Electric Evap Heater	■	■	■	■	■	■	■	■	■
Engine Block Heater	■	■	■	■	■	■	■	■	■
Evap Side Screens	■	■	■	■	■	■	■	■	■
Fuel Tank	■	■	■	■	■	■	■	■	■
Low Decibel Kit	■	■	■	■	■	■	■	■	■
Special Finish Paint	■	■	■	■	■	■	■	■	■
R-134a Refrigerant	■	■	■	■	■	■	■	■	■
Remote Indicator Light	■	■	■	■	■	■	■	■	■
Synthetic Oil	■	■	■	■	■	■	■	■	■
Three-Temperature Kit	■	■	■	■	■	■	■	■	■
TS Hose Management	■	■	■	■	■	■	■	■	■
Top Screen	■	■	■	■	■	■	■	■	■
Rear Remote Control (flushmount)	■	■	■	■	■	■	■	■	■
Single Temp with Remote Evap	■	■	■	■	■	■	■	■	■
ETV	■	■	■	■	■	■	■	■	■
Factory-Installed Telematics	■	■	■	■	■	■	■	■	■
Quick Oil Drain Kit (external mounted, quick connect)	■	■	■	■	■	■	■	■	■
Hand Held SR-2	■	■	■	■	■	■	■	■	■
Electronic Diagnostic Tool	■	■	■	■	■	■	■	■	■
Snow Cover	■	■	■	■	■	■	■	■	■

■ Available option ■ Not available ■ Standard feature

Available Thermo Gard™ Service Programs

Silver

Centralized Billing

Billing made easy to save you time and money.

Gold

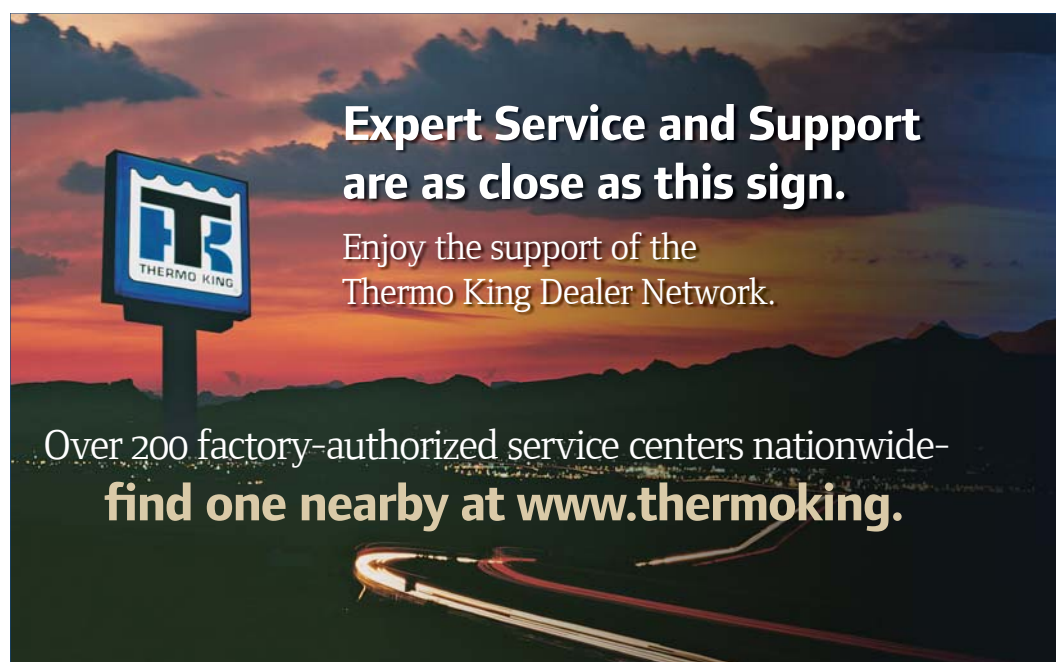
Extended Warranty

Flexible configurations that can be designed to meet your specific business requirements.

Platinum

Guaranteed Maintenance

Four service plan options designed to lower costs and increase uptime.



Expert Service and Support are as close as this sign.

Enjoy the support of the Thermo King Dealer Network.

Over 200 factory-authorized service centers nationwide—**find one nearby at www.thermoking.com.**



Providing equipment and services to manage controlled-temperature environments for food and other temperature-sensitive products, our Climate Control Technologies sector encompasses both transport and stationary refrigeration solutions. Our product brands include Thermo King®, a world leader in transport temperature control systems, and Hussmann®, a manufacturer of refrigeration and food merchandising equipment.

www.thermoking.com www.hussmann.com www.ingersollrand.com

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