

Heat King[®] 450 Series

Highest capacity transport heater for
dependable freeze protection



Maximum Freeze Protection

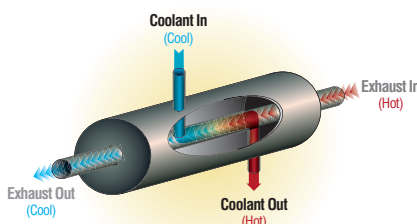
Heat King® keeps transported products above freezing in the coldest conditions and delivers maximum uptime, ease of maintenance and long-term reliability with its heavy duty, rugged and simple design. Whether transporting via the road or rail, Heat King is the highest capacity transport heater available today with 50,000 BTUs.

Heat King 450 Maximum Output (MAX)

The Heat King 450 MAX utilizes a stainless steel exhaust heat exchanger that extracts even more heat from the engine, allowing the unit to become 70% efficient in the transfer of energy from diesel fuel to heat. This design produces 33% more heat capacity and transfers heat more efficiently than the closest competitor product.

This allows operators to use thinner walled trailers, which increases the overall payload capacity, and ensures loads are protected from freezing in the coldest climates.

Heat King is also available in a high output model.



50,000 BTUs

Highest capacity transport heater available today.

Key Features:

- Extra capacity available for longer, thin-walled trailers
- Powder coated aluminum exterior and aluminum frame for industry-leading extended corrosion resistance.
- Standard, 40w ThermoLite solar panel
- Factory equipped with Tracking telematics for 24 months
- Automatic cycle-sentry heating for freeze protection
- Powerful airflow that circulates throughout entire cargo
- DOT-approved for transport of flammable liquids and gasses
- High and low speeds for optimal fuel economy
- EPA Tier IV compliant

System Performance

Heating Capacity

Engine Speed	BTU/hr	Watts	RPM
Heat King 450 MAX			
High	50,000	14,650	3,200
Low	10,000	2,930	1,550

Heat King 450 HO

High	36,000	10,550	3,050
Low	10,000	2,930	1,550

Airflow

Engine Speed	CFM	M ³ /hr
Heat King 450 MAX		
High	3,600	5,925
Low	1,700	2,800

Heat King 450 HO

High	3,400	5,600
Low	1,700	2,800



Standard features for best-in-class reliability and performance

Telematics



With ConnectedSuite™ telematics, you have the data you need to help keep deliveries on time and avoid load loss. Every Heat King unit comes factory equipped with Tracking telematics and 24 months of no cost service.

Telematics provides:

Real-time asset connectivity

Track location, unit status, fuel level, load temperature, and many more critical data points.

Compliance and security

Visibility to ensure temperature compliance, asset security, and cargo traceability wherever your fleet is located.

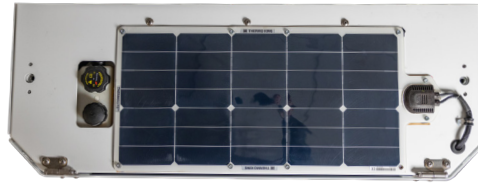
Data sharing

Seamless, straightforward integration into any third-party website or system.

Extensive reports

Tracking offers both custom and standard reporting options, allowing you to quickly get to the information you need to make business critical decisions.

Solar



A ThermoLite® 40w solar panel now comes standard on all Heat King models to offer:

Increased battery life

Keeping batteries charged all year round will negate failure from extended periods of low charge levels and proliferation of sulfation.

Fuel savings

Reduces load on the engine with alternator working less and reduced cycle-sentry operation.

Extended component life

Run time is reduced, alternator offloading and reduced starter engagement.

Improved employee efficiency

Cuts time spent managing low battery alarms and battery breakdowns.

ThermoGuard® VII



The reliable ThermoGuard VII controller optimizes heater performance and offers:

Maximized fuel economy

Integrated cycle-sentry feature ensures optimal fuel economy by automatically cycling the unit on or off based on set point, conditions, and flash-loadable user programming.

Compact Design

Can be mounted directly to or recessed into the trailer.

Ease of use

Operational data and alarm codes are automatically logged and can be downloaded via USB.

Flash loadable programming and diagnostics through PC monitor USB interface.

Includes on/off switch, hour meter and display.

Warranty

The unit and its components are warranted to be free from defects in material and workmanship from date in service as follows:

- 12 months parts and labor - entire unit including ThermoGuard TG-VII microprocessor
- 24 months parts and labor - injection pump, engine and internal parts and radiator coil

The full terms of the warranty are available upon request



Thermo King – by Trane Technologies (NYSE: TT), a global climate innovator – is a worldwide leader in sustainable transport temperature control solutions. Thermo King has been providing transport temperature control solutions for a variety of applications, including trailers, truck bodies, buses, air, shipboard containers and railway cars since 1938. For more information, visit thermoking.com or tranetechnologies.com.