

INTRODUCING THE e1000: ALL-ELECTRIC REFRIGERATION SYSTEM FOR CLASS 5-7 STRAIGHT TRUCKS

Cooling capacity of a diesel engine system with the zero-emissions of all-electric performance.



ADVANCED DESIGN

Full-electric single-temp unit design:

- Electric power takeoff (ePTO) integration allowing for connection with electric chassis system
- Capacity to support box sizes from 16 to 28 ft with fresh and frozen setpoints in all climates
- 200lbs lighter weight than diesel equivalents

USER-FRIENDLY OPERATION

HMI design offers improved user experience:

- Easy-to-use interface with graphic color screen
- Improved alarm and maintenance reminders

Telematics as standard feature:

- Pull data insights and energy consumption reports
- Over-the-air updates

MAXIMIZED EFFICIENCY

Fully electric system with no diesel engine to maintain:

- Variable speed compressor and fans
- Reduced noise and vibration for increased efficiency
- Use of R-452A refrigerant with a lower GWP value
- New control system for improved efficiency
- e1000 can be operational when vehicle is running or charging with ability to request power when vehicle is off



The all-new e1000 is uniquely positioned to satisfy the needs of class 5-7 truck operators with the benefits of all-electric technology. As part of Thermo King's evolve™ product line, the e1000 unit easily matches the performance of the leading diesel offerings, while offering increased reliability, lower weight, and reduced noise.

Full-electric single-temp unit

- Designed to integrate into the battery pack on electric chassis with electric power takeoff (ePTO):
- T-1090 equivalent cooling capacity
- Uses R-452A, which is a low GWP refrigerant
- Improved temperature control for more reliable performance
- Lower weight than diesel equivalents
- Reduced noise and vibration for increased efficiency

Maximized efficiency with all-new high voltage architecture:

- Variable speed compressor and fans
- Added Economizer for increased performance
- Electric heat
- Optimized control algorithm design
- e1000 can be operational when vehicle is running or charging with ability to request power when vehicle is off

New HMI design offers improved user experience:

- Easy-to-use interface with graphic color screen
- Improved alarm and maintenance reminders

Telematics as standard feature:

- Pull data insights and energy consumption reports
- Over-the-air updates



CHALLENGING WHAT'S POSSIBLE FOR A GREENER TOMORROW

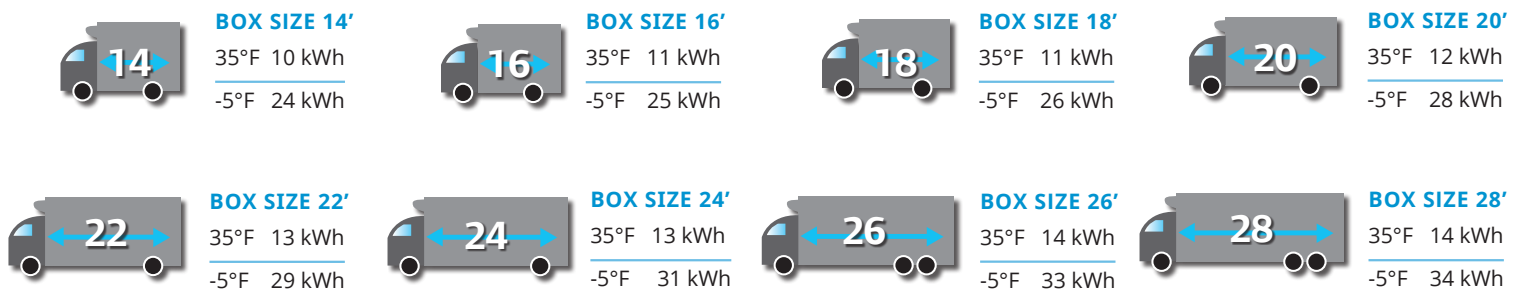
As a worldwide leader in temperature control solutions, Thermo King strives to deliver the most efficient and sustainable products to its customers and is constantly innovating ways to help them reduce the carbon footprint of their operations and the world.

The evolve™ product line offers an array of ALL-ELECTRIC versions of transport temperature control products that provide efficient end-to-end cold chain solutions.

The evolve™ portfolio builds on Thermo King's ongoing efforts to help customers reduce their environmental impact and meet sustainability goals as they transition their fleets to meet future environmental regulations.

APPLICATIONS CHART

The e1000 is designed for use with Class 5-7 vehicles and offers the capacity and performance you need with the electrical efficiency you require for a variety of cargo box sizes



Assuming 3" of insulation for 35°F, and 4" for -5°F at an 80°F ambient; ten door openings for ten minutes each per day on a ten hour route with box pre-cooled to setpoint; box dimensions of 96"W and 96"H on trucks 10' and over in length .

Unit selection may vary. Consult Thermo King for a detailed analysis of your requirements.

Example based on Industry Data of 1.8 kWh/mile: For a 35°F setpoint on a 22' box, your mileage reduction would be 8 miles.