

All-Electric Bus HVAC Solutions





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Choose from a range of clean, efficient solutions.

Redefine passenger comfort and energy efficiency for buses with Thermo King® all-electric bus HVAC units, a part of the evolve™ portfolio. The TE-Series, RLFE-Series, and AMII E-Series are designed to integrate with various bus types, catering to different integration preferences of bus manufacturers. These state-of-the-art HVAC units offer a wide range of comfort cooling and heating while extending battery life, contributing to your organization's decarbonization efforts.

Drive excellence into your transit system

Enhanced Rider Comfort

Maximize passenger comfort with a wider range of compressor and fan variability, allowing for precise load matching.

Compliance with Regulations

Meet and exceed regulatory requirements with reduced refrigerant connections, ensuring a compliant and environmentally responsible solution.

Reduced Total Cost of Ownership

Optimize operational costs and reduce components with a single variable speed compressor, minimizing repairs, cutting replacement costs and ensuring precise temperature control.



Dependable, Durable Bus Operation

Benefit from an optional integrated battery temperature management system that simplifies bus systems, enhancing reliability and longevity.

Comprehensive Bus System Control

Achieve control over the entire bus's climate system, including floor heaters and driver's defroster, through a single controller, the Thermo King IntelligAIRE® III.

Thermo King offers a variety of temperature-controlled transport solutions to help you achieve your decarbonization goals. As a global climate innovator, we're dedicated to transforming tomorrow, today through bold ambition and decisive action.

Efficiency that keeps buses on the road longer

Electric HVAC solutions by Thermo King provide highly efficient cooling and heating, enabling extended battery life and minimized downtime. Our electric HVAC systems:

- Seamlessly align with zero emissions goals making them the optimal choice for transit authorities investing in electric buses.
- Maintain compatibility with battery electric buses, hydrogen fuel cell buses, and hybrid buses.
- Ensure a consistently comfortable cabin, even when the bus is stopped as well as fast recovery after door openings.

Learn More. Contact your local Thermo King dealer for complete specifications on any of the products listed.



Capitalize on sustainability goals

Take advantage of funding from the Bipartisan Infrastructure Law (BIL) and the Inflation Reduction Act (IRA) allocated to capital projects for zero-emission buses. Thermo King supports your commitment to sustainability by delivering top-notch HVAC solutions that align with evolving industry standards.



RLFE-Series

Unique Through-Roof Design



AMII E-Series

Low-Profile Rooftop Design



TE-Series

Rear Mount Design





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.

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