T- AND UT-SERIES HYBRID
— time to switch, time to win —

HYBRID

SINGLE- AND MULTI-TEMPERATURE HYBRID REFRIGERATION SOLUTIONS FOR TRUCKS
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Thermo King, undisputed leader in diesel-powered refrigeration, recently joined forces with Frigoblock, acknowledged experts in electric-powered solutions. The result, built on the success of the SLXi Hybrid trailer range, is a full range of hybrid truck units. The T- and UT-Series offer you the benefits of both diesel and electric power in a choice of single or multi-temperature configurations, nosemount or undermount installations.

Diesel and electric energy sources each have their own advantages. By combining them in a hybrid, you can be assured that your operation will meet and exceed current and future environmental regulations.

Thermo King Hybrid truck solutions provide the lowest total cost of ownership and the smallest environmental footprint.

They enable refrigerated truck operators to meet tomorrow’s challenges today:
» Reducing your environmental footprint to comply with ever more stringent requirements from customers
» Ensuring the distribution of fresh and frozen products in densely populated urban areas where access is limited to low-noise, low-emissions vehicles
» Retaining the flexibility and autonomy needed to operate either urban distribution or inter-urban transport
» Making the switch to game-changing technology while reducing your operating cost.

HYBRID
Time to switch. Time to win.
T-Series and UT-Series Hybrid: Time To Switch

SWITCH for access and productivity
» More and more cities are restricting or banning vehicles due to noise or diesel emissions. T- and UT-Series Hybrids ensure current and future access to these delivery locations, maximizing fleet utilization.

SWITCH for a future-proof operation
» Our hybrid solution means you can leverage the economy and low emissions of the most advanced GreenTech truck engines without compromising performance.
» Emissions can be cut by over 90 % while noise can be reduced to minimal levels for urban deliveries and improved driver comfort.

Sound Pressure (dBA)

-6 dBA (on average)

Hybrid mode can operate below 60 dB (model dependent)
SWITCH, connect and advance

» Thermo King BlueBox gives the T- and UT-Series Hybrids advanced connectivity and extended communication capability for optimised fleet management and productivity.

» The system automatically selects the best operating mode for the current circumstances. When the vehicle comes to a halt, the unit’s controller monitors temperature requirements and vehicle location. The Hybrid unit can be set to operate exclusively on electric mode if required in the Low Emission Zone.

SWITCH and save

» Operational efficiencies mean that a full return on investment can be obtained within a short time period.

» Operating in hybrid mode can deliver substantial fuel savings when compared with diesel.

» Savings of up to 50% of fuel and related CO₂ emissions per year are achievable for each vehicle operating in hybrid mode.
**Retrofittable so no need to wait for new equipment purchases**

» The T- and UT-Series Hybrids give you the opportunity to optimise your existing fleet while minimising your environmental footprint.
» Your Thermo King Dealer can advise on the best retrofit solution for your specific needs.
» Your asset values can be maintained while securing short-term investments.
» You retain total flexibility in choosing alternative fuels such as LNG, CNG and biofuel.

**Full support from the most extensive Dealer service network in the industry**

» The Thermo King Dealer network employs 1400 certified technicians and is fully equipped to maintain advanced hybrid systems.
» With over 500 authorised service points open 24/7 in 75 countries, you will never be far away from expert support.
Urban Periphery: Switch Mode

Urban Zone: Electric Mode Only

LOW EMISSION ZONE EXCEPT HYBRIDS
Thermo King and Frigoblock combine proven technologies

Frigoblock alternator and inverter technology:

Approved by leading truck manufacturers, our water-cooled asynchronous alternator combined with our inverter filter has been developed to provide:

» constant voltage and frequency to the unit regardless of vehicle engine speed
» rapid start-up with low mechanical stress
» optimum load temperature control with minimum power consumption
» with a compact design, low weight and an extended life.
Thermo King T- and UT-Series Hybrid refrigeration units

» Units can run over the road on full electric or autonomous diesel power and on electric stand-by when parked.
» The diesel drive remains available when the truck engine is turned off.
» Hybrid mode is available for all applications: single- or multi-temperature, standard or Whisper.
» Market-leading low fuel consumption in hybrid and diesel operation.
» Thermo King BlueBox (available as a factory installed option) for the most advanced telematics and connectivity.
» Low-GWP R-452A refrigerant as standard for the greenest possible solution.

Frigoblock inverter transforms electricity from alternator to power T- and UT-Series refrigeration units

» Delivers constant voltage and frequency to the unit regardless of vehicle engine speed.
» Guarantees rapid start-up of the unit with low mechanical stress.
» Provides optimum load temperature control with minimum power consumption.

‘Shore power’ plug in for electric operation at loading docks
Choose your Hybrid.

Hybrid technology is available on a wide range of T-Series and UT-Series models. In addition to a choice of nosemount and undermount installations, you can choose from a range of multi-temp configurations. In this way you can optimise your vehicle utilisation and delivery capabilities while maintaining exceptionally low cost of ownership.

All T-Series and UT-Series models feature an extensive range of performance-enhancing options so you can tailor your fleet to your specific operational requirements.
By choosing a Thermo King Hybrid, you demonstrate your commitment to minimizing the environmental footprint of your business in terms of carbon emissions, particulate emissions and operating noise. With no compromise on ROI, performance or load protection, this is a choice you will want to make.
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 further information, please contact:
www.europe.thermoking.com

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