T-560R
— go extra, stay mini —
SINGLE TEMPERATURE SELF-POWERED REFRIGERATION SOLUTIONS FOR TRUCKS
Capacity is everything. You know it. We know it. Because with capacity comes the ability to optimise the day-to-day. It means faster pull down, so your fleet is ready to roll sooner, do more deliveries and delight more customers.

This is why we re-engineered our T-500R unit, and took it to the next level.

Step forward to the T-560R from Thermo King. A self-powered refrigeration unit for both small and medium-sized trucks that sets a new industry standard for reliability, efficiency, and performance. It’s got enhanced capacity, within the same neat package.

» Enhanced Fresh & Frozen cooling capacity (up to 20% more compared to T-500R)
» Faster pull down for quicker start up and more deliveries
» Proven performance up to 55°C
» R-452A future-proof, low GWP refrigerant.
» High efficiency GreenTech TK270 engine
» 1000 hours extended maintenance interval (EMI)
» X214 Compressor for maximum uptime and reliability

With the T-560R unit, Thermo King helps you re-imagine what’s possible in your business.

Extra Fresh & Frozen Capacity: enhanced capacity and faster pull down increases your options, enhances your performance, and supports route optimisation for smarter deliveries.

Extra Flexibility: higher capacity allows for better fleet optimisation, quickly adapting to Fresh or Frozen goods’ needs and making sure you have the right temperature, right when you need it.

Extreme Temperatures: designed to operate in the toughest ambient conditions, to protect your load up to 55°C ambient.

Extra Savings: with increased fuel efficiency and lower maintenance costs, coupled with our service contract options to drive down the total life cost of each unit.

Extra Uptime: with extended maintenance intervals which keep individual vehicles working and earning for longer, while also hitting sustainability targets.
The inside story

The T-560R is built to last and builds on the outstanding reputation of its predecessor, the T-500R.

TK 270 diesel engine: high efficiency power source
X214 reciprocating compressor: bullet-proof reliability and increased uptime
Evaporator fans: Very Long Life (VLL) electric fans keep your unit on the road longer and reduce maintenance costs
E-coated frame: total corrosion resistance for extended life and greater resale value
Micro-channel condenser coil & radiator: avoid corrosion, reduce refrigerant charge & improve efficiency
Plastic external panels: light, strong and corrosion resistant to keep your fleet looking its best

Innovation where it matters most

TK 270 diesel engine:
- 2 cylinder, proven design for transport refrigeration
- 1000 hours between oil changes
- Over 100,000 units sold

X214 reciprocating compressor:
- Deep sump 2 cylinder reciprocating design
- Field proven reliability
- >10,000 hours service interval

Evaporator fans:
- Three 12V Electrical Fans
- Very Long Life fans (double the life of conventional fans)
- Reduced maintenance costs

E-coated frame:
- Coating technology from the automotive industry
- Electrical current attracts paint on the metal for more complete coverage
- Total corrosion resistance

Micro-channel condenser coil & radiator:
- All-aluminium design prevents galvanic corrosion
- Lighter and more efficient technology
- Increased capacity with refrigerant charge reduced by 30%*

Plastic external panels:
- Complete corrosion resistance
- Fibre reinforced to resist impact
- Scratches can be removed quickly and easily

*compared with traditional fin and tube technology

Maintenance conditions – maximize your uptime

Engine oil filter: 1000 hours (EMI: 1000 hours)
Belt life: 5000 hours (EMI: 2000 hours)
Refrigerant life: 5 years
Evaporator: 3 VLL (Very Long Life) electric fans (double the life of conventional fans)
Each new Thermo King product has first to undergo stringent testing to ensure the highest levels of reliability and operating economy, and the T-560R is no exception.

At our state-of-the-art global research and development centre, the unit is exposed to a variety of hostile conditions, extreme temperatures, and non-stop endurance tests. Next up, it’s subjected to exhaustive field trials, and only after consistently positive reviews do we finally give the unit our seal of approval.

With Thermo King, you can be sure the T-560R will meet your expectations for quality, reliability, and dependability.

When it comes to the environment and meeting regulatory requirements, we’ve also got you covered. From improved fuel efficiency and lower emissions, to more environmentally friendly refrigerant, the T-560R is designed to help you grow sustainably in a dynamic market.

Environmental benefits include:

» Fuel consumption reduced by up to 5% (regardless of capacity increase)
» Low emission GreenTech engine meets 2019 NRMM* regulations
» R-452A refrigerant reduces GWP** by more than 45% compared to previous refrigerant, minimizing environmental impact
» Whisper technology reduces operating noise levels by 20% to enable inner city delivery

*Non-Road Mobile Machinery
**Global Warming Potential

45% reduction in refrigerant GWP

Less emissions: refrigerant R-452A provides a future proof solution to more stringent global legislation on greenhouse gases. GreenTech engine exhaust gas emissions are compliant with the most stringent requirements from NRMM regulation (Stage V - 2019).
**Remote Watch**
- New feature that allows the Thermo King service team to remotely access the unit from anywhere in the world
- Only requires a USB port and an internet connection
- User-friendly interface providing on the road service, minimising vehicle downtime

**Warranty coverage**
2 year warranty coverage on unit and options (2nd year warranty coverage subject to mid-term inspection)

**Cycle-Sentry**
Stops the engine when refrigeration is not needed, and restarts it when refrigeration or battery charge is called for.
- Fuel and CO₂ savings of up to 80%
- Increased component life
- Reduced maintenance costs

**Extended Maintenance Interval: EMI 1000**
Thermo King EMI 1000 will extend maintenance intervals and reduce operating costs by:
- Reducing clean-up and disposal costs
- Reducing environmental impact with less spillage and less oil, filter, and coolant waste
- Extending engine life with improved, highly efficient filtration

**Thermo King EnergyOne Silver Battery**
Incorporates silver-calcium technology to extend service life by over 20% more than conventional batteries.

**Auto phase correction**
- Avoids reverse fan rotation while on electric stand-by
- Protects the load

**Diesel/electric auto switching**
- Automatically starts diesel engine if electric stand-by fails
- Manual override for ferry operation
- Protects the load automatically (without manual intervention)

**TherMax system**
- Faster defrosting cycles.

**Password protected controller**
- Prevents unauthorised access
- Protects against cargo loss, especially in high ambient temperatures

**Body mount enclosure**
Allows external mounting of in-cab displays on drawbar truck bodies, allowing for easier access.

**ThermoKare™**
ThermoKare offers a complete selection of service contract options, to help you manage maintenance costs and hence total life cost of a unit.

**Thermo King EnergyOne Gold Battery**
For customers that operate in colder climates, this 760 CCA upgraded wet cell battery delivers greater power than the standard battery.

**Thermo King EnergyOne Platinum Battery**
- Uses Absorbed Glass Mat (AGM) technology with deep cycle capability and enormous cranking power (880 CCA)
- Maintains capacity at extremely low temperatures better than a wet cell battery
- Avoids the cost of battery replacements through an expected five to eight year service life
- Also backed by Thermo King’s 2 year warranty

**90L Fuel tank**
- Approved for diesel and bio-diesel
- Vibration resistant to Thermo King standards
- Mechanical fuel gauge with option to upgrade to electrical
- Galvanised drain plug as standard
- Corrosion resistant installation kit (e-coated)
Key features and options

**Door switches**
Reduce the load temperature rise and detect theft by monitoring door openings and save fuel when doors are open by turning off the unit.

**Whisper™ noise attenuating kit**
» The Whisper™ low noise kit reduces noise levels significantly over standard units.

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### LIFE COST MANAGEMENT

**Remote Watch**

**Warranty coverage**

**Cycle-Sentry™ interval**

**EMI 1000: Extended maintenance**

**TK Battery - EnergyOne Silver (Wet Cells 640 CCA)**

**TK Battery - EnergyOne Gold (Wet Cells 760 CCA)**

**TK Battery - EnergyOne Platinum (AGM 880 CCA)**

**ThermoKare™**

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### LOAD PROTECTION

**Auto phase correction**

**Diesel/electric auto switching**

**Password Protected controller**

**TherMax system**

**Body mount enclosure**

**90L Fuel tank**

**Door switches**

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### CUSTOMIZATION

**Whisper noise attenuating kit**

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**Specifications**

**REFRIGERATION CAPACITY: SYSTEM NET COOLING CAPACITY AT 30°C AMBIENT TEMPERATURE UNDER ATP CONDITIONS**

<table>
<thead>
<tr>
<th>Return air to evaporator</th>
<th>0°C</th>
<th>-20°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity on engine power W</td>
<td>6300</td>
<td>3500</td>
</tr>
<tr>
<td>Capacity on electric stand-by W</td>
<td>4800</td>
<td>2500</td>
</tr>
</tbody>
</table>

**REFRIGERATION CAPACITY: SYSTEM NET HEATING CAPACITY AT -18°C AMBIENT TEMPERATURE**

<table>
<thead>
<tr>
<th>Return air to evaporator</th>
<th>2°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity on engine power W</td>
<td>1800</td>
</tr>
<tr>
<td>Capacity on electric stand-by W</td>
<td>1000**</td>
</tr>
</tbody>
</table>

**AIRFLOW ON HIGH-SPEED ENGINE OPERATION**

| Airflow Volume @ 0 Pa static pressure m³/hr | 2150 |

**WEIGHT**

| Model 30: cooling and heating on engine operation kg | 370 * |
| Model 50: cooling and heating on engine and electric stand-by operation kg | 400 * |

**ENGINE: LOW EMISSIONS, 2 CYLINDER, LIQUID COOLED**

| Model TK 270 |
| Rating kW | 7.5 |
| Maintenance Interval hrs | 1000 |

* Battery not included. With Whisper noise attenuating kit option: +10kg
** With Electric Heat Option 2500W capacity is achievable

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| Not Available | Standard Feature | Option: Factory Supplied | Option: Dealer Supplied |
**SPECIFICATIONS T-560R**

**COMPRESSOR: LIGHTWEIGHT ALUMINIUM ALLOY**
- Model: X214 Deep Sump
- Displacement: cc 228

**ELECTRIC STAND-BY OPTION**
- Voltage / Phase / Frequency:
  - 400V/3Ph/50Hz
  - 230V/3Ph/50Hz
  - 230V/3Ph/60Hz
- Rating: kW 4.5

**REFRIGERANT: R-452A, FUTURE PROOF COMPLIANCE WITH F-GAS REGULATIONS (2020 REVISION)**
- Charge: kg 2.5

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**Dimensions (in millimeters)**

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**WARRANTY SUMMARY**

Specific terms of the Ingersoll Rand Ltd. 24 month full warranty are available on request (refer to TK 60483). Thermo King excludes liability in contract and tort (including without limitation negligent) for any special, indirect or consequential damages by reason of the installation or use of any product, except for its mechanical failure.
Keeping you moving:
Thermo King service and parts support

Access to trained and experienced specialists
Every customer of the T-560R receives 24/7 back-up from the world-renowned Thermo King Dealer network. As a result, you can rely on a fast and efficient response to any operational issues – including product installation, diagnostics, and maintenance.

Unmatched serviceability and improved parts support
The T-560R is designed to use components that are common to the already existing members of the T-Series range. We’ve done this to help ensure greater availability of parts, faster repair times, and Exceptional reliability.

ANYWHERE IN EUROPE, MIDDLE EAST AND AFRICA

» Over 500 authorised service points in 75 countries
» 1400 fully trained and certified technicians with Gold, Silver and Bronze Certi-Tech expertise certifications
» Open and available 24/7

OUR DEALER SERVICE NETWORK
ANYTIME, ANYWHERE, ALWAYS THERE

MORE DEALER SERVICES
✓ Emergency assistance
✓ Service contracts
✓ Genuine Thermo King parts
✓ Options and Accessories
✓ Mobile service
✓ Calibration and leak testing
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:
europe.thermoking.com

Find your nearest dealer on
dealers.thermoking.com