THERMO KING

Precedent® S-750i

The Sustainable Cold Chain Solution



TRANE TECHNOLOGIES

Precedent S-750i

A PROVEN CHOICE IN COLD CHAIN LOGISTICS

The S-750i is a diesel electric unit designed for transport fleets, retailers, and pharmaceutical companies seeking solutions that are most efficient on electric power. This unit introduces cost savings, greater uptime, lower emissions, and another proven choice within the Precedent platform.

HISTORIC SUCCESS: *Decades of customer-driven innovation since 1938*



Model A

- **1938:** First commercially successful self-contained mechanical refrigeration unit introduced for over-the-road use.



Models D and E

- **1947–1959:** These units were one-piece, nose-mounted, self-contained refrigeration units.



NWD and Crown 500

- **1960–1980:** The NWD was a one-piece, front-mount, self-contained heating and cooling unit powered by a four-cylinder liquid-cooled diesel engine. The Crown 500 offered custom options such as paint, stainless-steel grille, and racing stripes.

1938 — 1939 — 1947 — 1959 — 1960



Model C

- **1939:** First nose-mount trailer unit introduced to the market. Due to its durability, reliability, and ease of maintenance, it was chosen for use by the US military during WWII.



UWD

- **1959–1980:** Thermo King's first diesel-powered unit.



Proven emissions compliant

Utilizing the proven S-Series engine, the S-750i meets current and proposed CARB ULETRU emissions without the use of a DPF. Integrated shore power, embedded telematics with 12 months of service, and R452A refrigerant position this unit well for future regulatory changes.

Choose with confidence

The enhanced operational efficiencies and sustainability performance benefits fleets transporting long haul or inner city. The S-750i represents another option in trailer refrigeration, it runs more efficiently on shore power, making it an ideal investment for customers using or considering shore power operation long-term.



SB

- **1979–2015:** Selected for its reliability, ease of serviceability, and unique non-intrusive evaporator. These were for local and long-distance trailers, domestic refrigerated containers, and intermodal rail applications.



Precedent S-750i

- **2022–present:** The first use of diesel electric in the Precedent platform. This also introduced the Thermo King scroll compressor for trailer TRUs.

1974 — 1979 — 2016 — 2022



XNWD

- **1974–1979:** The first wide-post trailer unit provided a low-intrusion flat evaporator for high-cube trailer loads.



Precedent

- **2013–present:** Designed to deliver CARB compliance and improve total cost of ownership, S-Series remains the only commercially available non-DPF ULETRU solution.

PROVEN INN

AN INNOVATIVE, CONNECTED, AND ENERGY-EFFICIENT SOLUTION

The S-750i leverages many of the proven aspects of the Precedent platform and introduces new features with this new model:

- First use of diesel electric architecture with integrated shore power.
- First use of 3-speed engine.
- First use of next-generation control system.

BENEFITS OF SHORE POWER OPERATION



- Increased efficiency—4x more efficient than diesel.
- Environmental impact—fewer emissions than diesel.
- Quieter operation—at least 3 decibels quieter than diesel motor operation.
- Less maintenance—reduces engine hour operation.
- Longer TRU life—with less diesel operation, engine maintenance time frames are extended.

BENEFITS OF THE PRECEDENT S-750i

- Reduced shore power operating costs with integrated electrically driven Thermo King scroll compressor.
- Reduced engine run hours and engine maintenance due to quicker pull down and recovery from null and intelligent use of 3 available engine speeds.
- Confidence to pick up any load at any dock with the industry's deepest frozen unit capacity.
- Integrated and enabled telematics with 12 months of TracKing service* included at no charge to keep you connected at all times.
- A new controller and user interface designed for ease of use and convenience that features a full-color, high-resolution display, and:
  - Our fastest ever boot-up to save you valuable time.
  - Durable, fully enclosed design that meets an IP69K rating—submersible, dust proof, and resistant to shocks.
  - Fuel consumption information on the display—including consumption level and remaining fuel (if optional fuel level sensor fitted).
  - Proactive alarms—which display alarm codes and recommended "next best action."
  - Data logging—with over 1 year capacity.

**One year of service at 15-minute reporting interval when unit is on and 60-minute reporting interval when unit is off, including two-way control functionality. Additional charges may apply.*



Condenser Grilles
Upgraded condenser grilles with improved airflow and debris protection. LEDs and chrome available.

Sustainable
Combining R452A refrigerant, integrated shore power operation, and CARB ULETRU compliance makes this one of the most sustainable TRU's on the market.

Economizer Refrigeration System
Intelligent use of subcooling allows the S-750i to achieve industry leading cooling capacity while maximizing fuel efficiency when "extra" capacity is not needed.

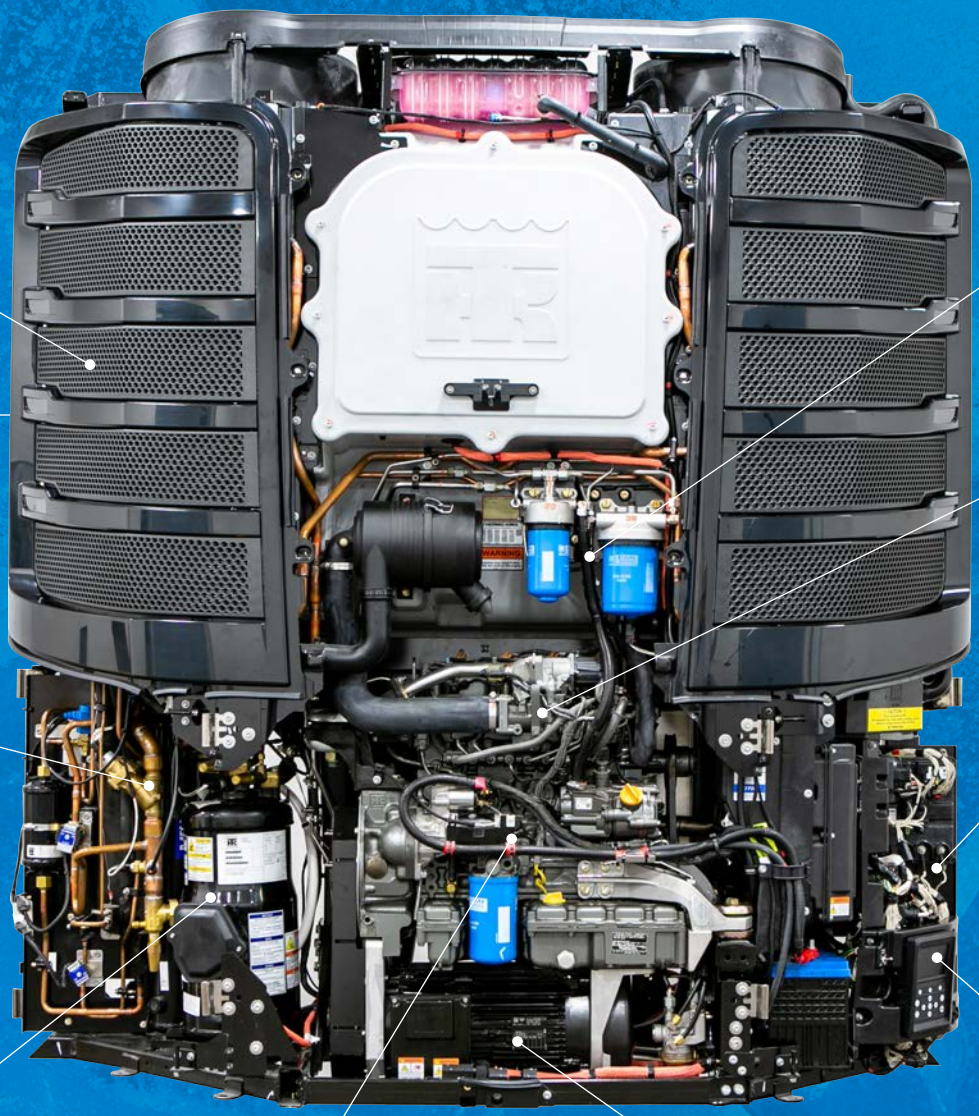


Thermo King Scroll Compressor
Designed and built by the leader in transport refrigeration and backed by a 7-year warranty.

OVATION

THERMO KING®

Precedent S-750i





Fuel Filtration

Duel filtration system with integrated water separation and oversized holding reservoir. Available in 3K or 4K service intervals.

Enhanced EGR

With an expected 10K hour service interval, this ULETRU compliance technology lowers your total cost of ownership.

Integrated and Active Telematics

12 months of TracKing® telematics service included to keep you connected.



New, Easy-To-Use HMI and Controller

The new control on the S-750i is the smartest and most user-friendly on the market.

S-Series Engine

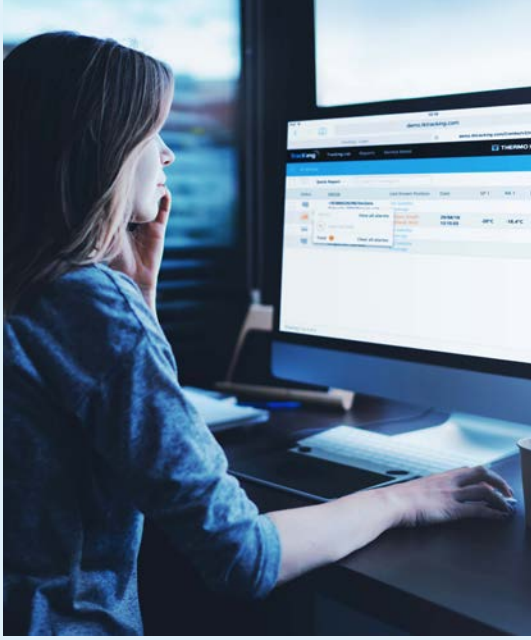
ULETRU compliant since 2013 with 100,000+ engines in operation, making Precedent's diesel engine solution anything but experimental.



Precedent Generator

Designed with a belt drive, this architecture offers flexibility in engine speed operation and simplifies maintenance compared to directly coupled generators.

TELEMATICS



Use telematics to increase your profitability

Telematics data is all about helping your fleet be more responsive. Knowing immediately when an issue occurs makes you more effective in how you respond—keeping your deliveries on time and avoiding load loss.

It also helps monitor temperature, offers rapid alarm detection and security alerts when the doors are opened, and detects fuel loss.

With ConnectedSuite™ telematics, you have the information you need at your fingertips. Every S-750i unit comes equipped to deliver the data you need, and does so for the first 12 months of ownership with no service charge.



- **Real-time Asset Connectivity**
  Track location, reefer status, load temperature, and many more critical data points. With optional two-way control, you can take the guesswork out of setting up the reefer for your drivers.
- **Compliance and Security**
  Visibility to ensure temperature compliance, asset security, and cargo traceability wherever your fleet is located.
- **Maximize Uptime**
  Eliminate unscheduled breakdowns and improve maintenance by remotely monitoring and diagnosing issues with your TRU.
- **Thermo King Connect Mobile App**
  Real-time critical information on your fleet, two-way control, notification of alarms and events, as well as an SOS function to get you in touch with your closest Thermo King Dealer wherever you are, 24/7.
- **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.

SUPPORT WHEREVER YOU NEED US

With the Thermo King Dealer Network, you have access to service and proactive maintenance at over 200 locations. Find the support that's closest to you with the online dealer locator—complete with contact details and service offerings.
Visit: thermoking.com/dealers

SUSTAINABILITY

Sustainability is the answer

As part of Trane Technologies, sustainability is at the core of our business—it's part of our business strategy and greater purpose. As a world leader in creating comfortable, sustainable, and efficient environments, it's our responsibility to put the planet first.

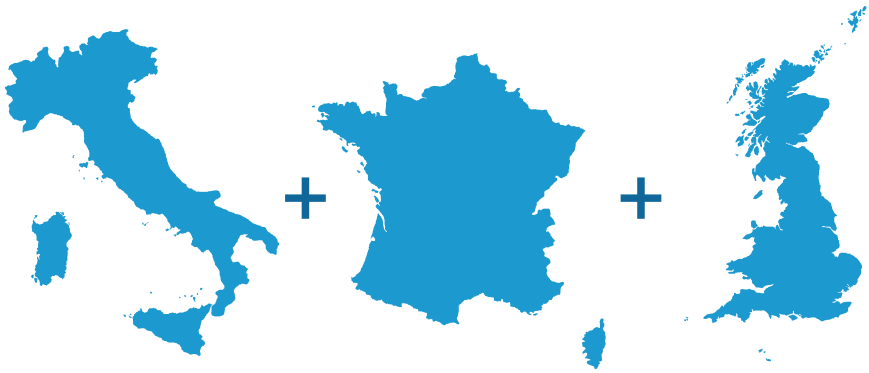
LEADING BY EXAMPLE

We're committed to reducing one gigaton of carbon emissions (CO_2e) from our customers' footprint by 2030 through our Gigaton Challenge. This is the largest customer climate commitment made by any B2B company, and could equate to 2% of the world's annual emissions.

Thermo King's zero-emissions product offerings in the evolve™ portfolio, align with Trane Technologies 2030 Sustainability Commitments to reduce customer greenhouse gas emissions by 1 billion metric tons.

1 Gigaton of CO_2e =

annual emissions of



Italy + France + U.K.

Precedent S-750i Sustainability



45% reduction in GWP versus prior refrigerants (R452A versus R404A)



96% less particulate matter than <25hp solutions



52% less NOx than <25hp solutions



3 lbs CO_2 emissions savings per running hour converted to S-750i high-efficiency shore power

With the introduction of the S-750i unit, we're continuing our journey to a more sustainable future. Join us!

THERMO KING

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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