**T-560R**  
Enhanced self-powered refrigeration unit for small & medium sized trucks

- Proven performance up to 55 °C  
- As tough as the conditions it works in  
- Full Thermo King service and parts support  
- Ease of use for error-proof operation  
- Market leading performance and economy  
- Reduced environmental impact  
- Frozen, chill or fresh cargo up to 5.5m body  
- Stylish new appearance  
- Refrigerant: Standard: R-452A / Optional: R-134a

### Specifications

<table>
<thead>
<tr>
<th>Compressor</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>X214 Deep Sump</td>
<td></td>
</tr>
<tr>
<td>Displacement</td>
<td>228 cm³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Refrigerant Charge</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Charge</td>
<td>2.5 kg</td>
<td></td>
</tr>
</tbody>
</table>

### Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

- Capacity on engine power 0°C: 6300 W  
- Capacity on engine power -20°C: 3500 W  
- Capacity on electrical stand by 0°C: 4800 W  
- Capacity on electrical stand by -20°C: 2500 W

### Generic (Boxlength, Refrigerant, ...)

- Boxlength: 4.0 - 5.5 m  
- Refrigerant: R-404A/R-452A  
- Airflow: 2150 m³/hr  
- Controller: Truck Smart Reefer 3

### Airflow

- on high speed engine operation  
  - Airflow volume @ 0 pa static pressure: 2150 m³/hr  
  - Discharge velocity - airthrow: 5.5 m/sec

### Weight

<table>
<thead>
<tr>
<th>Weight including battery</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Model 30</td>
<td>370 (Whisper option +17)</td>
<td>kg</td>
</tr>
<tr>
<td></td>
<td>kg</td>
<td></td>
</tr>
<tr>
<td>Model 50</td>
<td>400 (Whisper option +17)</td>
<td>kg</td>
</tr>
</tbody>
</table>

### Engine

- Model: TK 270  
- Rating: 7.5 kW  
- Maintenance Interval: 1000 hrs  
- no. of cylinders/displacement: TK 270V / 2 / 570 cm³

### Electrical Stand by Motor

- Voltage / Phase / Frequency: 400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60  
- Rating: 4.5 kW
Self Powered Truck - Single Temperature

T-600R
Delivering what matters

- Quiet operation
- Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste

### Specifications

**Compressor**
- Model: X214
- Displacement: 228 cm³

**Refrigerant Charge**
- Charge: 3.4 kg

**Refrigeration Capacity**
- System net cooling capacity under A.T.P. conditions at 30 °C ambient:
  - Capacity on engine power 0°C: 6700 W
  - Capacity on engine power -20°C: 4000 W
  - Capacity on electrical stand by 0°C: 4800 W
  - Capacity on electrical stand by -20°C: 3200 W

**Generic (Boxlength, Refrigerant, ...)**
- Boxlength: 5.5 - 6 m
- Refrigerant: R-404A/R-452A
- Airflow: 2700 m³/hr
- Controller: Truck Smart Reefer 3

**Airflow on high speed engine operation**
- Airflow volume @ 0 pa static pressure: 2700 m³/hr
- Discharge velocity - airthrow: 5.2 m/sec

**Weight**
- including battery:
  - Model 30: 441 kg
  - Model 50: 473 kg

**Engine**
- Model: TK 370
- Rating: 11.2 kW
- Maintenance Interval: 2000 hrs
- no. of cylinders/displacement: TK 370 / 3 / 855 cm³

**Electrical Stand by Motor**
- Voltage / Phase / Frequency: 400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
- Rating: 4.5 kW

### Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Unit</th>
<th>Condenser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>617 mm</td>
<td>617 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1887 mm</td>
<td>919 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>919 mm</td>
<td>1887 mm</td>
</tr>
</tbody>
</table>

### Features and Options

#### Life cost management
- ThermoKare Service contracts
- Cycle-Sentry start/stop control system
- EMI 2000 extended maintenance
- Fuel level sensor
- Thermo King high performance battery
- Thermo King Energy battery
- Premium AGM battery
- 2-year warranty coverage

#### Data capture & communications
- TouchPrint data capture
- TouchPrint Printer
- ServiceWatch maintenance logger
- DAS (Data Acquisition System)
- TracKing? (tracking and load monitoring)
- Wintrac (data analysis software)

#### Load Protection
- TSR-3 standard in-cab display
- Heater Bar Kit
- Water Heater
- Auto phase correction
- SafeGuard battery protection kit
- Door switches
- Diesel/electric auto switching

#### Customization
- TSR-3 premium in-cab display
- Whisper noise attenuating kit
- TSR-3 rear remote control
- Electronic Fuel Capture
- Hose management kit
- Solar Panel
- Body mount enclosure
- 90L fuel tank
- Triple Combo Display

- Not Available
- Standard Feature
- Option: Factory Supplied
- Option: Dealer Supplied
Self Powered Truck - Single Temperature

T-800R

Delivering what matters

- Quiet operation
- Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Unit</th>
<th>Condenser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>617 mm</td>
<td>617 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1887 mm</td>
<td>1887 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>919 mm</td>
<td>919 mm</td>
</tr>
</tbody>
</table>

Specifications

**Compressor**
- Model: X214
- Displacement: 228 cm³

**Refrigerant Charge**
- Charge: 3.6 kg

**Refrigeration Capacity**

System net cooling capacity under A.T.P. conditions at 30 °C ambient
- Capacity on engine power 0°C: 7800 W
- Capacity on engine power -20°C: 4200 W
- Capacity on electrical stand by 0°C: 6000 W
- Capacity on electrical stand by -20°C: 3200 W

**Generic (Boxlength, Refrigerant, ...)**
- Boxlength: 6.5 - 7.5 m
- Refrigerant: R-404A/R-452A
- Airflow: 2700 m³/hr
- Controller: Truck Smart Reefer 3

**Airflow**

on high speed engine operation
- Airflow volume @ 0 pa static pressure: 2700 m³/hr
- Discharge velocity - airthrow: 5.2 m/sec

**Weight**
including battery
- Model 30: 444 (Whisper option +17) kg
- Model 50: 477 (Whisper option +17) kg

**Engine**
- Model: TK 370
- Rating: 11.2 kW
- Maintenance Interval: 2000 hrs
- no. of cylinders/displacement: TK 370 / 3 / 855 cm³

**Electrical Stand by Motor**
- Voltage / Phase / Frequency: 400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
- Rating: 4.5 kW

**Features and Options**

- Life cost management
- ThermoKare Service contracts
- Cycle-Sentry start/stop control system
- EMI 2000 extended maintenance
- Fuel level sensor
- Thermo King high performance battery
- Thermo King Energy battery
- Premium AGM battery
- 2-year warranty coverage

- Data capture & communications
  - TouchPrint data capture
  - TouchPrint Printer
  - ServiceWatch maintenance logger
  - DAS (Data Acquisition System)
  - TracKing? (tracking and load monitoring)
  - Wintrac (data analysis software)

- Load Protection
  - TSR-3 standard in-cab display
  - Heater Bar Kit
  - Water Heater
  - Auto phase correction
  - SafeGuard battery protection kit
  - Door switches
  - Diesel/electric auto switching

- Customization
  - TSR-3 premium in-cab display
  - Whisper noise attenuating kit
  - TSR-3 rear remote control
  - Electronic Fuel Capture
  - Hose management kit
  - Solar Panel
  - Body mount enclosure
  - 90L fuel tank
  - Triple Combo Display

- Not Available
- Standard Feature
- Option: Factory Supplied
- Option: Dealer Supplied
Self Powered Truck - Single Temperature

**T-1000R**
Delivering what matters

- Quiet operation
- Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste

### Specifications

**Compressor**
- Model: X426 C5

**Refrigerant Charge**
- Charge: 3.4 kg

**Refrigeration Capacity**
System net cooling capacity under A.T.P. conditions at 30 °C ambient
- Capacity on engine power 0°C: 9600 W
- Capacity on engine power -20°C: 5300 W
- Capacity on electrical stand by 0°C: 6700 W
- Capacity on electrical stand by -20°C: 4100 W

**Generic (Boxlength, Refrigerant, ...)**
- Boxlength: 7.5 - 8.5 m
- Refrigerant: R-404A/R-452A
- Airflow: 3200 m³/hr
- Controller: Truck Smart Reefer 3

**Airflow**
- on high speed engine operation
  - Airflow volume @ 0 pa static pressure: 3200 m³/hr
  - Discharge velocity - airthrow: 6.2 m/sec

**Weight**
- including battery
  - Model 30: 457 kg (Whisper option +17)
  - Model 50: 514 kg (Whisper option +17)

**Engine**
- Model: TK 376
- Rating: 14.6 kW
- Maintenance Interval: 2000 hrs
- no. of cylinders/displacement: TK 376 / 3 / 1115 cm³

**Electrical Stand by Motor**
- Voltage / Phase / Frequency: 400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
- Rating: 7.5 kW

### Features and Options

**Life cost management**
- ThermoKare Service contracts
- Cycle-Sentry start/stop control system
- EMI 2000 extended maintenance
- Fuel level sensor
- Thermo King high performance battery
- Thermo King Energy battery
- Premium AGM battery
- 2-year warranty coverage

**Data capture & communications**
- TouchPrint data capture
- TouchPrint Printer
- ServiceWatch maintenance logger
- DAS (Data Acquisition System)
- TracKing? (tracking and load monitoring)
- Wintrac (data analysis software)

**Load Protection**
- TSR-3 standard in-cab display
- Heater Bar Kit
- Water Heater
- Auto phase correction
- SafeGuard battery protection kit
- Door switches
- Diesel/electric auto switching

**Customization**
- TSR-3 premium in-cab display
- Whisper noise attenuating kit
- TSR-3 rear remote control
- Electronic Fuel Capture
- Hose management kit
- Solar Panel
- Body mount enclosure
- 90L fuel tank
- Triple Combo Display

- Not Available
- Standard Feature
- Option: Factory Supplied
- Option: Dealer Supplied
THERMO KING

T-1200R

Delivering what matters

- Quiet operation
- Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste

Specifications

<table>
<thead>
<tr>
<th>Category</th>
<th>Model</th>
<th>X430 C5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant Charge</td>
<td>Charge</td>
<td>3.8 kg</td>
</tr>
<tr>
<td>Refrigeration Capacity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System net cooling capacity under A.T.P. conditions at 30 °C ambient</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacity on engine power 0°C</td>
<td>12500 W</td>
<td></td>
</tr>
<tr>
<td>Capacity on engine power -20°C</td>
<td>6800 W</td>
<td></td>
</tr>
<tr>
<td>Capacity on electrical stand by 0°C</td>
<td>9250 W</td>
<td></td>
</tr>
<tr>
<td>Capacity on electrical stand by -20°C</td>
<td>5200 W</td>
<td></td>
</tr>
<tr>
<td>Generic (Boxlength, Refrigerant, ...)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boxlength</td>
<td>8.5+ m</td>
<td></td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R-404A/R-452A</td>
<td></td>
</tr>
<tr>
<td>Airflow</td>
<td>3300 m³/hr</td>
<td></td>
</tr>
<tr>
<td>Controller</td>
<td>Truck Smart Reefer 3</td>
<td></td>
</tr>
</tbody>
</table>

Airflow on high speed engine operation

Airflow volume @ 0 pa static pressure | 3300 m³/hr |
Discharge velocity - airthrow | 6.4 m/sec |

Weight including battery

Model 30 | 460 (Whisper option +17) kg |
Model 50 | 517 (Whisper option +17) kg |

Engine

Model | TK 376 |
Rating | 14.6 kW |
Maintenance Interval | 2000 hrs |
no. of cylinders/displacement | TK 376 / 3 / 1115 cm³ |

Electrical Stand by Motor

Voltage / Phase / Frequency | 400 /3 /50 -- 230 /3 /50 |
|                           | 230 /3 /60 |
Rating | 7.5 kW |

Features and Options

Life cost management

- TK Long Life AGM Battery
- ThermoKare Service contracts
- Cycle-Sentry start/stop control system
- EMI 2000 extended maintenance
- Fuel level sensor
- Thermo King high performance battery
- Thermo King Energy battery
- Premium AGM battery
- 2-year warranty coverage

Data capture & communications

- TouchPrint data capture
- TouchPrint Printer
- ServiceWatch maintenance logger
- DAS (Data Acquisition System)
- TracKing? (tracking and load monitoring)
- Wintrac (data analysis software)
- Remote Watch

Load Protection

- TSR-3 standard in-cab display
- Heater Bar Kit
- Auto phase correction
- SafeGuard battery protection kit
- Password protected controller
- Door switches
- Diesel/electric auto switching

Customization

- TSR-3 premium in-cab display
- Whisper noise attenuating kit
- TSR-3 rear remote control
- Body mount enclosure
- 90L fuel tank
- Triple Combo Display

Not Available
Standard Feature
Option: Factory Supplied
Option: Dealer Supplied
T-800R SPECTRUM
T-Series Spectrum: Solutions for multi-temp distribution

With a tireless focus on reducing noise and emissions while maximizing performance, the new range of T-Series Spectrum units are designed to meet the grueling demands of Multi temperature distribution.

We also understand that all distribution operations are not the same. That is why all T-Series Spectrum units are available with a choice of two or three blower remote evaporators that can be used in a number of configurations. With the ability to support up to three zones in both compartment and lane applications, we have a solution to match your unique needs. Your Thermo King representative can assist you in selecting the right unit for your operations.

---

**Dimensions**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Condenser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>617 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1887 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>919 mm</td>
</tr>
</tbody>
</table>

**Specifications**

**Compressor**
- Model: X214

**Refrigerant Charge**
- Charge: R-404A = 4.0; R-452A = 6.0 kg

**Refrigeration Capacity**
- System net cooling capacity under A.T.P. conditions at 30 °C ambient
  - Capacity on engine power 0°C: 8000 W
  - Capacity on engine power -20°C: 3850 W
  - Capacity on electrical stand by 0°C: 6200 W
  - Capacity on electrical stand by -20°C: 2800 W

**Generic (Boxlength, Refrigerant, ...)**
- Boxlength: 6.5 - 7.5 m
- Refrigerant: R-404A/R-452A
- Airflow: S-2 = 1320, S-3 = 1980 m³/hr
- Controller: Truck Smart Reefer 3

**Airflow**
- on high speed engine operation
  - Airflow volume @ 0 pa static pressure: S-2 = 1320, S-3 = 1980 m³/hr
  - Discharge velocity - airthrow: 9.5 m/sec

**Weight**
- including battery
  - Model 30: 357 kg
  - Model 50: 389 kg

**Engine**
- Model: TK 370
- Rating: 11.2 kW
- Maintenance Interval: 2000 hrs
- no. of cylinders/displacement: TK 370 / 3 / 855 cm³

**Electrical Stand by Motor**
- Voltage / Phase / Frequency: 400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
- Rating: 4.5 kW

**Features and Options**

**Life cost management**
- ThermoKare Service contracts
- Cycle-Sentry start/stop control system
- EMI 2000 extended maintenance
- Fuel level sensor
- Thermo King high performance battery
- Thermo King Energy battery
- Premium AGM battery
- 2-year warranty coverage

**Data capture & communications**
- TouchPrint data capture
- TouchPrint Printer
- ServiceWatch maintenance logger
- DAS (Data Acquisition System)
- TracKing? (tracking and load monitoring)
- Wintrac (data analysis software)

**Load Protection**
- TSR-3 standard in-cab display
- Heater Bar Kit
- Auto phase correction
- SafeGuard battery protection kit
- Door switches
- Diesel/electric auto switching

**Customization**
- Whisper kit acoustic
- TSR-3 premium in-cab display
- TSR-3 rear remote control
- Electronic Fuel Capture
- Hose management kit
- Solar Panel
- Evaporator guard
- Body mount enclosure
- 90L fuel tank
- Drain Kit for Transverse Remote Evap
- Triple Combo Display

- Not Available
- Standard Feature
- Option: Factory Supplied
- Option: Dealer Supplied
T-1000R SPECTRUM
T-Series Spectrum: Solutions for Multi temp distribution

With a tireless focus on reducing noise and emissions while maximizing performance, the new range of T-Series Spectrum units are designed to meet the grueling demands of Multi temperature distribution.

We also understand that all distribution operations are not the same. That is why all T-Series Spectrum units are available with a choice of two or three blower remote evaporators that can be used in a number of configurations. With the ability to support up to three zones in both compartment and lane applications, we have a solution to match your unique needs. Your Thermo King representative can assist you in selecting the right unit for your operations.

**Specifications**

<table>
<thead>
<tr>
<th>Compressor</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>X426 CS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Refrigerant Charge</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Charge</td>
<td>R-404A = 5.86; R-452A = 6.1 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Refrigeration Capacity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>System net cooling capacity under A.T.P. conditions at 30 °C ambient</td>
<td></td>
</tr>
<tr>
<td>Capacity on engine power 0°C</td>
<td>10000 W</td>
</tr>
<tr>
<td>Capacity on engine power -20°C</td>
<td>5800 W</td>
</tr>
<tr>
<td>Capacity on electrical stand by 0°C</td>
<td>6300 W</td>
</tr>
<tr>
<td>Capacity on electrical stand by -20°C</td>
<td>4000 W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Generic (Boxlength, Refrigerant, ...)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Boxlength</td>
<td>7.5 - 8.5 m</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R-404A/R-452A</td>
</tr>
<tr>
<td>Airflow</td>
<td>S-2 = 1320, S-3 = 1980 m3/hr</td>
</tr>
<tr>
<td>Controller</td>
<td>Truck Smart Reefer 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Airflow on high speed engine operation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Airflow volume @ 0 pa static pressure</td>
<td>S-2 = 1320, S-3 = 1980 m3/hr</td>
</tr>
<tr>
<td>Discharge velocity - airthrow</td>
<td>9.5 m/sec</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight including battery</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Model 30</td>
<td>373 kg</td>
</tr>
<tr>
<td>Model 50</td>
<td>430 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Engine</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>TK 376</td>
</tr>
<tr>
<td>Rating</td>
<td>14.6 kW</td>
</tr>
<tr>
<td>Maintenance Interval</td>
<td>2000 hrs</td>
</tr>
<tr>
<td>no. of cylinders/displacement</td>
<td>TK 376 / 3 / 1115 cm³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical Stand by Motor</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage / Phase / Frequency</td>
<td>400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60</td>
</tr>
<tr>
<td>Rating</td>
<td>7.5 kW</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Unit</th>
<th>Condenser</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>688 mm</td>
<td>688 (Whisper option 704) mm</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1887 mm</td>
<td>1887 mm</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>919 mm</td>
<td>919 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Features and Options</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Life cost management</td>
<td></td>
</tr>
<tr>
<td>ThermoKare Service contracts</td>
<td></td>
</tr>
<tr>
<td>Cycle-Sentry start/stop control system</td>
<td></td>
</tr>
<tr>
<td>EMI 2000 extended maintenance</td>
<td></td>
</tr>
<tr>
<td>Fuel level sensor</td>
<td></td>
</tr>
<tr>
<td>Thermo King high performance battery</td>
<td></td>
</tr>
<tr>
<td>Thermo King Energy battery</td>
<td></td>
</tr>
<tr>
<td>Premium AGM battery</td>
<td></td>
</tr>
<tr>
<td>2-year warranty coverage</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data capture &amp; communications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TouchPrint data capture</td>
<td></td>
</tr>
<tr>
<td>TouchPrint Printer</td>
<td></td>
</tr>
<tr>
<td>ServiceWatch maintenance logger</td>
<td></td>
</tr>
<tr>
<td>DAS (Data Acquisition System)</td>
<td></td>
</tr>
<tr>
<td>TrackKing? (tracking and load monitoring)</td>
<td></td>
</tr>
<tr>
<td>Wintrac (data analysis software)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Load Protection</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TSR-3 standard in-cab display</td>
<td></td>
</tr>
<tr>
<td>Heater Bar Kit</td>
<td></td>
</tr>
<tr>
<td>Auto phase correction</td>
<td></td>
</tr>
<tr>
<td>SafeGuard battery protection kit</td>
<td></td>
</tr>
<tr>
<td>Door switches</td>
<td></td>
</tr>
<tr>
<td>Diesel/electric auto switching</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Customization</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Whisper kit acoustic</td>
<td></td>
</tr>
<tr>
<td>TSR-3 premium in-cab display</td>
<td></td>
</tr>
<tr>
<td>TSR-3 rear remote control</td>
<td></td>
</tr>
<tr>
<td>Electronic Fuel Capture</td>
<td></td>
</tr>
<tr>
<td>Hose management kit</td>
<td></td>
</tr>
<tr>
<td>Solar Panel</td>
<td></td>
</tr>
<tr>
<td>Evaporator guard</td>
<td></td>
</tr>
<tr>
<td>Body mount enclosure</td>
<td></td>
</tr>
<tr>
<td>90L fuel tank</td>
<td></td>
</tr>
<tr>
<td>Drain Kit for Transverse Remote Evap</td>
<td></td>
</tr>
<tr>
<td>Triple Combo Display</td>
<td></td>
</tr>
</tbody>
</table>

Option: Factory Supplied
Option: Dealer Supplied

Not Available
Standard Feature
**T-1200R SPECTRUM**

T-Series Spectrum: Solutions for multi-temp distribution

With a tireless focus on reducing noise and emissions while maximizing performance, the new range of T-Series Spectrum units are designed to meet the grueling demands of Multi temperature distribution.

We also understand that all distribution operations are not the same. That is why all T-Series Spectrum units are available with a choice of two or three blower remote evaporators that can be used in a number of configurations. With the ability to support up to three zones in both compartment and lane applications, we have a solution to match your unique needs. Your Thermo King representative can assist you in selecting the right unit for your operations.

### Specifications

**Compressor**
- **Model**: X430 C5

**Refrigerant Charge**
- **Charge**: R-404A = 6.2, R-452A = 6.25 kg

**Refrigeration Capacity**
- **System net cooling capacity under A.T.P. conditions at 30 °C ambient**
  - Capacity on engine power 0°C: 11800 W
  - Capacity on engine power -20°C: 7200 W
  - Capacity on electrical stand by 0°C: 7500 W
  - Capacity on electrical stand by -20°C: 5000 W

**Generic (Boxlength, Refrigerant, ...)**
- **Boxlength**: 8.5+ m
- **Refrigerant**: R-404A/R-452A
- **Airflow Controller**: S-2 = 1320, S-3 = 1980
- **Controller**: Truck Smart Reefer 3

**Airflow on high speed engine operation**
- **Airflow volume @ 0 pa static pressure**: S-2 = 1320, S-3 = 1980 m³/hr
- **Discharge velocity - airthrow**: 9.5 m/sec

**Weight including battery**
- **Model 30**: 377 kg
- **Model 50**: 436 kg

**Engine**
- **Model**: TK 376
- **Rating**: 14.6 kW
- **Maintenance Interval**: 2000 hrs
- **no. of cylinders/displacement**: TK 376 / 3 / 1115 cm³

**Electrical Stand by Motor**
- **Voltage / Phase / Frequency**: 400 / 3 / 50 → 230 / 3 / 50 → 230 / 3 / 60
- **Rating**: 7.5 kW

### Features and Options

**Life cost management**
- ThermoKare Service contracts
- Cycle-Sentry start/stop control system
- EMI 2000 extended maintenance
- Fuel level sensor
- Thermo King high performance battery
- Thermo King Energy battery
- Premium AGM battery
- 2-year warranty coverage

**Data capture & communications**
- TouchPrint data capture
- TouchPrint Printer
- ServiceWatch maintenance logger
- DAS (Data Acquisition System)
- TrackKing? (tracking and load monitoring)
- Wintrac (data analysis software)

**Load Protection**
- TSR-3 standard in-cab display
- Heater Bar Kit
- Auto phase correction
- SafeGuard battery protection kit
- Door switches
- Diesel/electric auto switching

**Customization**
- Whisper kit acoustic
- TSR-3 premium in-cab display
- TSR-3 rear remote control
- Electronic Fuel Capture
- Hose management kit
- Solar Panel
- Evaporator guard
- Body mount enclosure
- 90L fuel tank
- Drain Kit for Transverse Remote Evap
- Triple Combo Display

- Not Available
- Standard Feature
- Option: Factory Supplied
- Option: Dealer Supplied
## Specifications

### Compressor

<table>
<thead>
<tr>
<th>Model</th>
<th>X214</th>
</tr>
</thead>
</table>

### Refrigeration Capacity

**System net cooling capacity under A.T.P. conditions at 30 °C ambient**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>7800 W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity on engine power 0°C</td>
<td>7800 W</td>
</tr>
<tr>
<td>Capacity on engine power -20°C</td>
<td>4200 W</td>
</tr>
</tbody>
</table>

### Generic (Boxlength, Refrigerant, ...) 

<table>
<thead>
<tr>
<th>Boxlength</th>
<th>6.5 - 7.5 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refrigerant</td>
<td>R-404A/R-452A</td>
</tr>
<tr>
<td>Airflow</td>
<td>2700 m³/hr</td>
</tr>
<tr>
<td>Controller</td>
<td>Truck Smart Reefer 3</td>
</tr>
</tbody>
</table>

### Airflow

**on high speed engine operation**

<table>
<thead>
<tr>
<th>Airflow volume @ 0 pa static pressure</th>
<th>2700 m³/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge velocity - airthrow</td>
<td>5.2 m/sec</td>
</tr>
</tbody>
</table>

### Weight

**including battery**

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model 30</td>
<td>451 kg</td>
</tr>
<tr>
<td>Model 50</td>
<td>484 kg</td>
</tr>
</tbody>
</table>

### Engine

<table>
<thead>
<tr>
<th>Model</th>
<th>TK 370</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance Interval</td>
<td>2000 hrs</td>
</tr>
<tr>
<td>no. of cylinders/displacement</td>
<td>TK 370 / 3 / 855 cm³</td>
</tr>
</tbody>
</table>

### Electrical Stand by Motor

<table>
<thead>
<tr>
<th>Voltage / Phase / Frequency</th>
<th>400 / 3 / 50 -- 230 / 3 / 50 - 230 / 3 / 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating</td>
<td>5.4 kW</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Condenser</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>630 mm</td>
<td>1880 mm</td>
<td>735 mm</td>
</tr>
</tbody>
</table>

### Features and Options

- Not Available
- Standard Feature
  - Option: Factory Supplied
  - Option: Dealer Supplied
**Specifications**

<table>
<thead>
<tr>
<th><strong>Compressor</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>X430 C5</td>
</tr>
</tbody>
</table>

**Refrigeration Capacity**

System net cooling capacity under A.T.P. conditions at 30 °C ambient

| Capacity on engine power 0°C | 12500 W |
| Capacity on engine power -20°C | 6800 W |

**Generic (Boxlength, Refrigerant, ...)**

| Boxlength | 13.6 m |
| Refrigerant | R-404A/R-452A |
| Airflow | 3300 m³/hr |
| Controller | Truck Smart Reefer 3 |

**Airflow**

on high speed engine operation

| Airflow volume @ 0 pa static pressure | 3300 m³/hr |
| Discharge velocity - airthrow | 6.4 m/sec |

**Weight**

including battery

| Model | 50 |
| Weight including battery | 517 kg |

**Engine**

| Model | TK 376 |
| Maintenance Interval | 2000 hrs |
| no. of cylinders/displacement | TK 376 / 3 / 1115 cm³ |

**Electrical Stand by Motor**

| Voltage / Phase / Frequency | 400 / 3 / 50 -- 230 / 3 / 50 |
| Rating | 7.5 kW |

**Features and Options**

- Not Available
- Standard Feature
- Option: Factory Supplied
- Option: Dealer Supplied
### Specifications

**Compressor**
- Model: TK 06 Scroll
- Displacement: 98 cm³

**Refrigerant Charge**
- Charge: 4 kg

**Refrigeration Capacity**
- Capacity on engine power 0°C: 9300 W
- Capacity on engine power -20°C: 5300 W
- Capacity on electrical stand by 0°C: 7500 W
- Capacity on electrical stand by -20°C: 4500 W

**Generic (Boxlength, Refrigerant, …)**
- Boxlength: 6.5 – 7.5 m
- Refrigerant: R-452A
- Controller: Truck Smart Reefer 3

**Airflow**
- Airflow volume @ 0 pa static pressure: 2640 m³/hr
- Discharge velocity - airthrow: 6.5 m/sec

**Weight**
- **including evaporator**
  - Model 50: 493 kg

**Engine**
- Model: TK 376
- Rating: 14.6 kW
- Maintenance Interval: 2000 hrs
- no. of cylinders/displacement: TK 376U / 3 / 1115 cm³

**Electrical Stand by Motor**
- Voltage / Phase / Frequency: 400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
- Rating: 7.5 kW

### Features and Options

**Life cost management**
- ServiceWatch maintenance logger
- ThermoKare Service contracts
- Cycle-Sentry start/stop control system
- EMI 2000 extended maintenance
- Fuel level sensor
- Thermo King high performance battery
- Thermo King Energy battery
- Premium AGM battery
- 2-year warranty coverage

**Data capture & communications**
- TouchPrint data capture
- TouchPrint Printer
- DAS (Data Acquisition System)
- TrackKing? (tracking and load monitoring)
- Wintrac (data analysis software)

**Load Protection**
- TSR-3 standard in-cab display
- Auto phase correction
- SafeGuard battery protection kit
- Door switches
- Diesel/electric auto switching

**Customization**
- TSR-3 premium in-cab display
- TSR-3 rear remote control
- Flexible hoses
- Electronic Fuel Capture
- Remote Status Light and Combination Display
- Evaporator guard
- Body mount enclosure
- 90L fuel tank
- Triple Combo Display

Option: Factory Supplied  Option: Dealer Supplied

---

**Dimensions**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Condenser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>628 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1797 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>713 mm</td>
</tr>
</tbody>
</table>

**Dimensions**

- **Condenser**
  - Height: 628 mm
  - Width: 1797 mm
  - Depth: 713 mm

**Features and Options**

- **Life cost management**
  - ServiceWatch maintenance logger
  - ThermoKare Service contracts
  - Cycle-Sentry start/stop control system
  - EMI 2000 extended maintenance
  - Fuel level sensor
  - Thermo King high performance battery
  - Thermo King Energy battery
  - Premium AGM battery
  - 2-year warranty coverage

- **Data capture & communications**
  - TouchPrint data capture
  - TouchPrint Printer
  - DAS (Data Acquisition System)
  - TrackKing? (tracking and load monitoring)
  - Wintrac (data analysis software)

- **Load Protection**
  - TSR-3 standard in-cab display
  - Auto phase correction
  - SafeGuard battery protection kit
  - Door switches
  - Diesel/electric auto switching

- **Customization**
  - TSR-3 premium in-cab display
  - TSR-3 rear remote control
  - Flexible hoses
  - Electronic Fuel Capture
  - Remote Status Light and Combination Display
  - Evaporator guard
  - Body mount enclosure
  - 90L fuel tank
  - Triple Combo Display

Option: Factory Supplied  Option: Dealer Supplied
Self Powered Truck - Undermount Multi Temperature

UT SPECTRUM

Specifications

<table>
<thead>
<tr>
<th>Compressor</th>
<th>TK 06 Scroll</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refrigeration Capacity</td>
<td></td>
</tr>
<tr>
<td>System net cooling capacity under A.T.P. conditions at 30 °C ambient</td>
<td></td>
</tr>
<tr>
<td>Capacity on engine power 0°C</td>
<td>S-3 + S-3 = 10550 / S-3 + S-3 + S-2 = 10400 W</td>
</tr>
<tr>
<td>Capacity on engine power -20°C</td>
<td>S-3 + S-3 = 5750 / S-3 + S-3 + S-2 = 6050 W</td>
</tr>
<tr>
<td>Generic (Boxlength, Refrigerant, ...)</td>
<td></td>
</tr>
<tr>
<td>Boxlength</td>
<td>7.5 - 9+ m</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R-452A</td>
</tr>
<tr>
<td>Airflow</td>
<td>S-3 + S-3 = 1320 / S-3 + S-3 + S-2 = 1980 m³/hr</td>
</tr>
<tr>
<td>Controller</td>
<td>Truck Smart Reefer 3</td>
</tr>
<tr>
<td>Velocity</td>
<td>9.5</td>
</tr>
<tr>
<td>Weight</td>
<td></td>
</tr>
<tr>
<td>including battery</td>
<td></td>
</tr>
<tr>
<td>Condenser</td>
<td>S-3 + S-3 = 597 / S-3 + S-3 + S-2 = 633 kg</td>
</tr>
<tr>
<td>Engine</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>TK 376</td>
</tr>
<tr>
<td>Rating</td>
<td>14.6 kW</td>
</tr>
<tr>
<td>Maintenance Interval</td>
<td>2000 hrs</td>
</tr>
<tr>
<td>no. of cylinders/displacement</td>
<td>TK 376U / 3 / 1115 cm³</td>
</tr>
<tr>
<td>Electrical Stand by Motor</td>
<td></td>
</tr>
<tr>
<td>Voltage / Phase / Frequency</td>
<td>200 / 3 / 60 -- 230 / 3 / 50 -- 230 / 3 / 60 -- 400 / 3 / 50</td>
</tr>
</tbody>
</table>

Features and Options

| Life cost management |
| ThermoKare Service contracts |
| Cycle-Sentry start/stop control system |
| Fuel level sensor |
| Thermo King high performance battery |
| Thermo King Energy battery |
| Premium AGM battery |
| 2-year warranty coverage |
| Data capture & communications |
| TouchPrint data capture |
| TouchPrint Printer |
| ServiceWatch maintenance logger |
| DAS (Data Acquisition System) |
| TracKing® (tracking and load monitoring) |
| Wintrac (data analysis software) |
| Load Protection |
| TSR-3 standard in-cab display |
| Auto phase correction |
| Door switches |
| Diesel/electric auto switching |
| Customization |
| TSR-3 premium in-cab display |
| TSR-3 rear remote control |
| Flexible hoses |
| Electronic Fuel Capture |
| Remote Status Light and Combination Display |
| Evaporator guard |
| Body mount enclosure |
| 90L fuel tank |
| Safeguard - dealer fitted |
| Triple Combo Display |

Option: Factory Supplied
Option: Dealer Supplied
UT-1200 E-EVAP
The new benchmark in Undermount Refrigeration

- Whisper-quiet operation
- Low fuel consumption
- Smaller and lighter
- Easy, low-cost installation
- Easier service accessibility
- Advanced TSR-3 controller

### Specifications

#### Compressor
- **Model**: TK 06 Scroll
- **Displacement**: 98 cm³

#### Refrigerant Charge
- **Charge**: 4.6 kg

#### Refrigeration Capacity
- **including battery**
  - Capacity on engine power 0°C: 11400 W
  - Capacity on engine power -20°C: 6600 W
  - Capacity on electrical stand by 0°C: 8300 W
  - Capacity on electrical stand by -20°C: 5200 W

#### Generic (Boxlength, Refrigerant, ...)
- **Boxlength**: 7.5 - 9+ m
- **Refrigerant**: R-452A
- **Airflow**: 3350 m³/hr
- **Controller**: Truck Smart Reefer 3

#### Airflow
- **including battery**
  - Airflow volume @ 0 pa static pressure: 3350 m³/hr
  - Discharge velocity - airthrow: 6.6 m/sec

#### Weight
- **including evaporator**: Model 50
  - **Weight**: 495 kg

#### Engine
- **Model**: TK 376
- **Rating**: 14.6 kW
- **Maintenance Interval**: 2000 hrs
- **no. of cylinders/displacement**: TK 376U / 3 / 1115 cm³

#### Electrical Stand by Motor
- **Voltage / Phase / Frequency**: 400 / 3 / 50 -- 230 / 3 / 60
- **Rating**: 7.5 kW

### Features and Options

#### Life cost management
- ThermoKare Service contracts
- Cycle-Sentry start/stop control system
- EMI 2000 extended maintenance
- Fuel level sensor
- Thermo King high performance battery
- Thermo King Energy battery
- Premium AGM battery
- 2-year warranty coverage

#### Data capture & communications
- TouchPrint data capture
- TouchPrint Printer
- ServiceWatch maintenance logger
- DAS (Data Acquisition System)
- TracKing? (tracking and load monitoring)
- Wintrac (data analysis software)

#### Load Protection
- TSR-3 standard in-cab display
- Auto phase correction
- SafeGuard battery protection kit
- Door switches
- Diesel/electric auto switching

#### Customization
- TSR-3 premium in-cab display
- TSR-3 rear remote control
- Flexible hoses
- Electronic Fuel Capture
- Remote Status Light and Combination Display
- Evaporator guard
- Body mount enclosure
- 90L fuel tank
- Triple Combo Display

---

### Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Unit</th>
<th>Condenser</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>628 mm</td>
<td>628 mm</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>1797 mm</td>
<td>1797 mm</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>713 mm</td>
<td>713 mm</td>
</tr>
</tbody>
</table>
UT-1200 S-3 + S-3
The new benchmark in Undermount Refrigeration

- Whisper-quiet operation
- Low fuel consumption
- Smaller and lighter
- Easy, low-cost installation
- Easier service accessibility
- Advanced TSR-3 controller

### Specifications

<table>
<thead>
<tr>
<th>Component</th>
<th>Model/Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compressor</strong></td>
<td>TK 06 Scroll</td>
</tr>
<tr>
<td><strong>Displacement</strong></td>
<td>98 cm³</td>
</tr>
<tr>
<td><strong>Refrigerant Charge</strong></td>
<td>4.5 kg</td>
</tr>
<tr>
<td><strong>Refrigeration Capacity</strong></td>
<td>including evaporator</td>
</tr>
<tr>
<td>Capacity on engine power 0°C</td>
<td>11200 W</td>
</tr>
<tr>
<td>Capacity on engine power -20°C</td>
<td>6600 W</td>
</tr>
<tr>
<td>Capacity on electrical stand by 0°C</td>
<td>8000 W</td>
</tr>
<tr>
<td>Capacity on electrical stand by -20°C</td>
<td>5100 W</td>
</tr>
<tr>
<td><strong>Generic (Boxlength, Refrigerant, ...)</strong></td>
<td>7.5 - 9+ m</td>
</tr>
<tr>
<td>Controller</td>
<td>Truck Smart Reefer 3</td>
</tr>
<tr>
<td><strong>Airflow including evaporator</strong></td>
<td>Airflow volume @ 0 pa static pressure 4000 m³/hr</td>
</tr>
<tr>
<td>Discharge velocity - airthrow</td>
<td>9.5 m/sec</td>
</tr>
<tr>
<td><strong>Weight including evaporator</strong></td>
<td>Model 50 495 kg</td>
</tr>
<tr>
<td><strong>Engine</strong></td>
<td>TK 376</td>
</tr>
<tr>
<td>Rating</td>
<td>14.6 kW</td>
</tr>
<tr>
<td>Maintenance Interval</td>
<td>2000 hrs</td>
</tr>
<tr>
<td>no. of cylinders/displacement</td>
<td>TK 376U / 3 / 1115 cm³</td>
</tr>
<tr>
<td><strong>Electrical Stand by Motor</strong></td>
<td>Voltage / Phase / Frequency 400 / 3 / 50 -- 230 / 3 / 60</td>
</tr>
<tr>
<td>Rating</td>
<td>7.5 kW</td>
</tr>
</tbody>
</table>

### Features and Options

<table>
<thead>
<tr>
<th>Feature / Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life cost management</td>
</tr>
<tr>
<td>Cycle-Sentry start/stop control system</td>
</tr>
<tr>
<td>EMI 2000 extended maintenance</td>
</tr>
<tr>
<td>Fuel level sensor</td>
</tr>
<tr>
<td>Thermo King high performance battery</td>
</tr>
<tr>
<td>Thermo King Energy battery</td>
</tr>
<tr>
<td>Premium AGM battery</td>
</tr>
<tr>
<td>2-year warranty coverage</td>
</tr>
<tr>
<td>Data capture &amp; communications</td>
</tr>
<tr>
<td>TouchPrint data capture</td>
</tr>
<tr>
<td>TouchPrint Printer</td>
</tr>
<tr>
<td>ServiceWatch maintenance logger</td>
</tr>
<tr>
<td>DAS (Data Acquisition System)</td>
</tr>
<tr>
<td>TrackKing? (tracking and load monitoring)</td>
</tr>
<tr>
<td>Wintrac (data analysis software)</td>
</tr>
<tr>
<td>Load Protection</td>
</tr>
<tr>
<td>TSR-3 standard in-cab display</td>
</tr>
<tr>
<td>Auto phase correction</td>
</tr>
<tr>
<td>SafeGuard battery protection kit</td>
</tr>
<tr>
<td>Door switches</td>
</tr>
<tr>
<td>Diesel/electric auto switching</td>
</tr>
<tr>
<td>Customization</td>
</tr>
<tr>
<td>TSR-3 premium in-cab display</td>
</tr>
<tr>
<td>TSR-3 rear remote control</td>
</tr>
<tr>
<td>Flexible hoses</td>
</tr>
<tr>
<td>Electronic Fuel Capture</td>
</tr>
<tr>
<td>Remote Status Light and Combination Display</td>
</tr>
<tr>
<td>evaporator guard</td>
</tr>
<tr>
<td>Body mount enclosure</td>
</tr>
<tr>
<td>90L fuel tank</td>
</tr>
<tr>
<td>Triple Combo Display</td>
</tr>
</tbody>
</table>

- Not Available
- Standard Feature
- Option: Factory Supplied
- Option: Dealer Supplied

### Dimensions

<table>
<thead>
<tr>
<th>Component</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>628 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1797 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>713 mm</td>
</tr>
</tbody>
</table>