



# T-590 SPECIFICATIONS

## T-90 SERIES... EXPECT MORE.

Since 1938, Thermo King's priority has been to develop innovative products that meet and exceed the ever changing needs of our customers.

The development of the T-90 Series of transport refrigeration units for straight trucks continues the legacy of customer-focused innovation. Taking our self-powered truck refrigeration models to a new level, the next-generation T-90 Series offers the right solutions for today's challenges. Whether you're looking for more capacity, trustworthy reliability and performance, fuel efficiency, unprecedented temperature pull-down and recovery, convenient maintenance intervals, or all of the above, the T-90 Series will not let you down. And now with the integration of our ConnectedSuite™ telematics package and the standardization of our premium HMI included, you truly get MORE WITH THERMO KING.



## KEY OPTIONS

Customize your unit to fit your business needs:

- SmartPower™ Electric Standby (230V and 460V)
- Whisper® Noise Reduction
- Top Screen
- Snow Cover
- Solar panels (40W and 110W options)
- Electronic Door Switches
- Body Mount HMI
- TouchPrint Premium
- Arctic Package
- Monitor Package

# SYSTEM PERFORMANCE

Refrigeration capacity: System net cooling capacity at 100°F ambient temperature and high speed engine/60 Hertz electric power

| Return air to evaporator  | 35°F                       | 0°F    | -20°F |
|---|----------------------------|--------|-------|
| Engine power BTU/hr (Up to)   | 15,500                     | 10,000 | 5,500 |
| Electric power BTU/hr (Up to)   | 14,000                     | 8,000  | 5,000 |
| Heating capacity (35°F/0°F ambient)   |                            |        |       |
| Engine power (BTU/hr)   | 10,500                     |        |       |
| Electric power (BTU/hr)   | 6,000                      |        |       |
| Airflow: on high speed engine operation   |                            |        |       |
| Airflow volume @ 0 Pa static pressure   | 1,500 ft <sup>3</sup> /min |        |       |
| Weight (Condensing Unit):   |                            |        |       |
| Standard: cooling/heating on engine operation                                       | 910 lbs                    |        |       |
| With SmartPower electric standby: cooling/heating on engine/electric standby        | 973 lbs                    |        |       |
| Engine: 3 cylinder, liquid cooled   |                            |        |       |
| Model   | TK 374                     |        |       |
| Rating  | 13.3 hp                    |        |       |
| Maintenance Interval  | 2000 hrs                   |        |       |
| Compressor: lightweight aluminum alloy  |                            |        |       |
| Model   | X-214                      |        |       |
| Displacement  | 14 cu. in.                 |        |       |
| Electric standby motor (option1)  |                            |        |       |
| Voltage / phase / cycles  | 200 - 230 / 3 / 60         |        |       |
| Rating  | 7.2 hp                     |        |       |
| Electric standby motor (option2)  |                            |        |       |
| Voltage / phase / cycles  | 460 / 3 / 60               |        |       |
| Rating  | 7.2 hp                     |        |       |
| Refrigerants: R-404A zero Ozone Depletion Potential (ODP), internationally approved |                            |        |       |
| Charge  | 5.3 lbs                    |        |       |

