

# Precedent® S-610DE

## Simplified Multi-Temp Flexibility

Our S-610DE offering allows you to operate two temperature zones within your trailer without extra evaporators. The two temperature zones align vertically in the trailer to make multiple-zone loading and unloading seamless. As always, you receive the proven reliability of our S-Series engine meaning CARB ULETRU compliance with no DPF.



### STANDARD FEATURES

- Smart Reefer® SR-4 controller for superior temperature control
- Factory equipped with 24 months complimentary TrackKing® Telematics
- ServiceWatch enabled for maintenance monitoring
- OptiSet® Plus cargo profiles for maintaining product integrity
- Diesel Direct Electric (DDE) architecture for maximized fuel efficiency
- Common rail fuel injection with real-time monitoring
- 2-stage fuel filtration system
- Fix-on-fail exhaust gas recirculation system
- Microchannel condenser coils
- 2-speed evaporator
- Simple user interface with USB service diagnostics
- 50-gallon aluminum undermount fuel tank w/visual fuel level gauge

### OPTIONS

- Temperature data logger for enhanced load protection
- Customizable appearance
  - LED lighting kit
  - Chrome package
- Arctic package
- Severe duty package
- ThermoLite® solar panels
- Alternator, 65amp, 12Vdc
- Battery charger
- Supplemental power kit
- SmartPower™ prep package
- SmartPower™ electric standby
  - Standard and High Output (HO) options

### CARB/EPA COMPLIANCE

- California Air Resources Board (CARB): Evergreen Certification since 2013
- Complies with highest possible EPA standards (>25HP Tier IV)

# S-610<sub>DE</sub> SYSTEM PERFORMANCE

## REFRIGERATION CAPACITY

(System net cooling capacity at 100°F ambient and high speed engine operation - combined 2-zone system)

	Engine Power w/ETV		Electric Power*	
	BTU/hr	Watts	BTU/hr	Watts
35°F	58,000	16,999	44,000	12,896
0°F	30,000	8,792	28,000	8,206
-20°F	18,000	5,275	17,000	4,982

\*Thermo King offers several electric standby options. See your Thermo King dealer for specific unit performance on the option that best suits your needs.

## HEATING CAPACITY: System net heating capacity at 35/0°F ambient

BTU/hr

## Engine Power w/ETV

39,000

## AIRFLOW CAPACITY

Volume at 0 Pa static pressure

Combined zone 1 + zone 2 = 2,850 ft<sup>3</sup>/min

## ENGINE: four cylinder, direct injection, liquid cooled

Model	TK488CR
RPM at High Speed	2,050
RPM at Low Speed	1,250
HP Rating at 2,050 RPM	33
Oil Capacity	12 qt
Maintenance Interval	3,000 hrs/4,000 hrs

## COMPRESSOR: lightweight aluminum alloy body, heads and deep sump

Model	X430L
Displacement	30.0 in <sup>3</sup>

## REFRIGERANT: (Zero Ozone Depletion Potential (ODP), internationally approved)

Charge	R452A ~17 lbs
--------	------------------

## WEIGHT

System	1,935 lbs
50 gallon fuel tank (with bracket)	76 lbs



TRANE  
TECHNOLOGIES

TK 56346-2-PL (03-24)

© 2024 Trane Technologies  
All rights reserved.

[www.thermoking.com](http://www.thermoking.com)