



SUPRA 850



Superior refrigeration performance for large trucks.

PERFORMANCE SPECIFICATIONS

SUPRA 850

Supra 850 offers exceptional reliability and performance for better load protection and quality in larger trucks.

Supra 850 delivers increased performance and system life while reducing maintenance and service costs.

• **Dramatic, contemporary skin design** is lightweight and damage-resistant.

• **Superior capacity and airflow** offer maximum product protection.

• **Heavy-duty, high-displacement compressor** runs slower for exceptional operating life.

• **Combines all the latest technological developments** to offer maximum reliability, performance, and flexibility.

Accessories and Options:

- Battery (dealer-supplied)
- Battery box
- 30-gallon fuel tank
- 50-gallon fuel tank
- Bypass oil filter
- Fuel heater
- Top debris protection grille
- High-voltage electric standby
 - 460v-3ph-60Hz
- Supply-air control
- Stealth noise reduction kit
- Host system door shutdown switch
- Coolant heat system (diesel operation)
- Electric heat system (standby operation)
- Synthetic engine oil
- DataLink™ data recorder



Condenser Dimensions

71.7" x 33.7" x 24.7"
(1,823 x 856 x 629 mm)

Evaporator Dimensions

48.2" x 28.8" x 13.0"
(1,225 x 732 x 330 mm)

Body Opening

49.0" x 13.8"
(1,245 x 350 mm)

Approximate Weights:

TDB-24: 1,020 lb (462 kg) without standby
TDS-24: 1,055 lb (478 kg) with standby

Cooling/Temperature Capacity:
Ambient at 100°F (38°C)
Speed: 2,300 rpm diesel/60-hertz
electric operation

Evaporator Return Air Temp.	Diesel Operation		Standby Operation	
	Btuh	Watts	Btuh	Watts
35°F (2°C)	23,000	6,740	19,000	5,570
0°F (-18°C)	15,500	4,745	14,000	4,105
-20°F (-29°C)	10,000	2,930	9,000	2,640

Standard Features Include:

- CT3-44 TriVortex diesel engine
- 05K24 4-cylinder compressor
- Automatic hot-gas heating system
- Refrigerant R-404A
- Three-way refrigeration valve system
- Standard with electric standby (model TDS)
 - Heavy-duty electric standby motor:
 - 208v/230v-3ph-60Hz
 - or 220v-3ph-50Hz
 - Remote-mount power receptacle
- Microprocessor control system
- CAB COMMAND™ remote control center
- Critical Cargo Monitor (in cab)
- Audible temperature alarm (in cab)
- Red light visual warning alarm (in cab)
- Automatic pretrip system
- Lighted CAB COMMAND keys
- Main on/off system power switch
- Display indicators
 - Cool-Heat-Defrost
 - Start/Stop-Out of Range
 - Engine Operation-Electric Standby
- Digital readout
 - CAB COMMAND (in cab)
 - Engine coolant temperature
 - Unit suction pressure
 - Battery voltage
 - Engine run hours
 - Electric standby hours

Standard Features (continued):

- Maintenance interval hours
- Total on-time hours
- Setpoint temperature
- Box return-air temperature
- Automatic Start/Stop fuel saver
- City Speed control
- Automatic defrost control
 - Programmable defrost timer
 - Defrost air switch
 - Automatic defrost termination
 - Manual defrost override
- EPDM coolant hoses
- Extended-life antifreeze
- High coolant temperature protection
- High-power 70-amp alternator
- Heavy-duty dry air cleaner
- Spin-on fuel and lube filters
- Low engine oil protection
- High refrigerant pressure protection
- Low refrigerant pressure protection
- Receiver tank pressure relief
- Bottom panel
- Installation package
 - Electric fuel pump
 - Fuel lines
 - Battery cables
 - Installation hardware
 - Fuel tank pickup tubes



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