



**SUPRA 650**



*Superior reliability and temperature control for medium-sized trucks.*

# PERFORMANCE SPECIFICATIONS

## SUPRA 650

**Supra 650** has proven its reliability and performance over years of tough field duty.

**Supra 650** offers faster pulldown, quicker recovery, and enhanced product protection even with frequent door openings.

- **Low engine and compressor RPM operation** for fuel economy and low maintenance cost.

- **Exceptional reliability** ensures the lowest overall cost to operate.

- **Low engine RPM and acoustically designed skins** offer exceptionally quiet operation.

- **Virtually automatic operation** that is incredibly easy to use.

### 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 24.9" x 11.1"  
(1,225 x 632 x 283 mm)

### Body Opening

49.0" x 12.2"  
(1,245 x 310 mm)

### Approximate Weights:

TDB-16: 913 lb (414 kg) without standby  
TDS-16: 958 lb (434 kg) with standby

Cooling/Temperature Capacity:  
Ambient at 100°F (38°C)  
Speed: 2,200 rpm diesel/60-hertz  
electric operation

Evaporator Return Air Temp.	Diesel Operation		Standby Operation	
	Btuh	Watts	Btuh	Watts
35°F ( 2°C)	17,500	5,130	15,000	4,395
0°F (-18°C)	10,000	2,930	10,000	2,930
-20°F (-29°C)	6,000	1,760	5,500	1,615

### Standard Features Include:

- CT3-44 TriVortex diesel engine
- 05K12 2-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



**North America**  
Carrier Transicold  
700 Olympic Drive  
Athens, GA 30601 USA  
Tel: 706-357-7223  
Fax: 706-355-5435

**Mexico and Central America**  
Ejercito Nacional No. 418  
Piso 9, Torre Yumal  
Col. Chapultepec Morales  
11570 Mexico, D.F.  
Ph: (5255) 9126.0300  
Fax: (5255) 9126.0383



**Carrier**

A United Technologies Corporation

Carrier Transicold Division  
Carrier Corporation  
Truck/Trailer Products Group  
P.O. Box 4805  
Syracuse, NY 13221 USA

www.trucktrailer.carrier.com