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

### 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
    - 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

### 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

<table>
<thead>
<tr>
<th>Evaporator Return Air Temp.</th>
<th>Diesel Operation</th>
<th>Standby Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Bluh</td>
<td>Watts</td>
</tr>
<tr>
<td>35°F (-2°C)</td>
<td>17,500</td>
<td>5,130</td>
</tr>
<tr>
<td>0°F (-18°C)</td>
<td>10,000</td>
<td>2,930</td>
</tr>
<tr>
<td>20°F (-29°C)</td>
<td>6,000</td>
<td>1,760</td>
</tr>
</tbody>
</table>

### Specifications (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

### 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**

### Diesel Operation Standby Operation

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Warranty: Product warranty and limitations are outlined in Form 62-10857. This warranty applicable only in North America. Consult your Carrier Transicold representative for warranty coverage elsewhere. Printed in USA 0606. Form 62-11078. Rev. B