## Technical Specifications

### Rooftop Package Unit

<table>
<thead>
<tr>
<th>Model</th>
<th>50TCMD08A9</th>
<th>50TCMD12A9</th>
<th>50TCMD14A9</th>
<th>50TCMD09A9</th>
<th>50TCMD15A9</th>
<th>50TCMD16A9</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
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<tr>
<td><strong>Rated Capacity</strong></td>
<td>60,000</td>
<td>125</td>
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</tr>
<tr>
<td><strong>Energy Efficiency Ratio</strong></td>
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<tr>
<td><strong>Sound Rating (A-Weighted)</strong></td>
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<tr>
<td><strong>Shipping Weight</strong></td>
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<td>30,500</td>
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</tbody>
</table>

### Packaged Rooftop Unit

**50ZPM-50TCM-50TJM**

With non-ozone depleting refrigerant (R-410A)

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1. As per AHRI Std 210A/210A2013 - Indoor Air Temperatures 26°C (DB) / 19°C (WB) and Outdoor Air Temperatures 35°C (DB) / 23°C (WB) and Outdoor Air Temperatures 46°C (DB) / 24°C (WB)

2. As per ANSI S 503.312/2012 - Indoor Air Temperatures 25°C (DB) / 13°C (WB) and Outdoor Air Temperatures 46°C (DB) / 24°C (WB)

Carrier reserves the right to change features and/or specifications without notice and without incurring any liability.
Performance, efficiency, sustainability. We’re the complete package.

Carrier provides a line of Desert Master packaged equipment to meet demanding HVAC systems requirements, with Puron® (R-410A) refrigerant and environmental efficiency ratings (EER) as high as 12.5.

**Desert Master series**

Optimum life-cycle performance

Carrier package units are available in a capacity range from 3 to 27 tons, and offer features such as easy installation, reliability, low operating cost, flexibility of heating option and much more...

**Air treatment**

An important aspect of any HVAC system is the correct supply of treated fresh air to the building occupants, improving indoor air quality (IAQ) levels. Carrier offers a vast range of packaged units to ensure the best match of the requirements.

**Performance features**

- HFC R-410A non-ozone depleting refrigerant
- Two independent refrigerant circuits, each with a scroll compressor
- Liquid filter drier standard on each circuit
- Non-corrosive sloped condensate drain pan in accordance with ASHRAE 62 standard
- Angle type return air section with washable type filters (16-27 tons)
- ASHRAE 90.1 Compliant
- ESMA compliant product
- EER’s up to 12.5
- TXV refrigerant metering device
- Fresh air intake capable
- Thermally protected fan motors
- TXV refrigerant metering device
- Fresh air intake capable
- Thermally protected fan motors

**Superior reliability, efficiency and safety**

- Exceptional endurance tests
- Painted panels tested to ASTM B-117 500 hours salt spray protection
- Compressor Protection
- Crankcase heaters are standard for all units
- Internal over temperature protection
- Freeze protection
- Brazed refrigerant connections for increased leak tightness
- Low-noise scroll compressors with low vibration levels

**Durable-dependable construction**

- Designed for durability in any climate, the weather-resistant cabinets are constructed of galvanized steel, bonderized, and all exterior panels are coated with a pre-painted baked enamel finish.

**Easy installation**

- All units feature base rail design with forklift slots and rigging holes for easier maneuvering. Durable packaging protects all units during shipment and storage. Convenient side by side openings permit installation very close to the face of buildings or on roof top.

**Factory-assembled package**

It is a compact, fully self-contained, electric cooling unit with horizontal supply and return ducts. The 50ZPM units are available in three standard cooling sizes to meet residential and light commercial requirements. Unit installs easily on a ground level pad.

**Indoor-air quality**


**Simple, electrical connections**

Terminal boards, located in the unit control box, facilitate connections to room thermostat, outdoor thermostat(s) and electric heater. Service panels can be quickly removed, permitting easy servicing. Both power and control connections are made on the same side of the unit to simplify installation. In addition, color-coded wires permit easy tracing and diagnostics.