Replacement R10 Series Horizontal PTACs & PTHPs

### Model: R10C/H

**Model Series:**
- [R10 = Repl.]

**Operation:**
- [C = Straight Cool]
- [H = Heat Pump]

**Cooling Capacity:**
- [09 = 9,000 Btuh]
- [12 = 11,000 Btuh]
- [15 = 13,700 Btuh]
- [18 = 15,600 Btuh] (Straight Cool Only)

**Voltage:**
- [A = 115V/1ph/60Hz] (09/12 Straight Cool Only)
- [D = 208-230V/1ph/60Hz (Std)]
- [E = 265-277V/1ph/60Hz]

**Auxiliary Heat:**
- [0 = None (Std)]
- *[2 = 2kW @ 265V]*
- *[3 = 3kW @ 230V] or [3 = 4kW @ 265V]*
- *[4 = 4kW @ 230V] or [4 = 5kW @ 265V]*
- *[5 = 5kW @ 230V] or [5 = 1.5kW @ 115V]*

**Compressor:**
- [A = Tecumseh]
- [L = LG]

**Special Rev:**
- [0 = Standard]
- [A-Z = Special]

**Product Revision:**
- [B = B Rev]

**Cond. Coil Option:**
- [A = Standard (Al/Cu)]
- [B = Coated (Al/Cu)]

**Auxiliary Heat:**
- [0 = None (Std)]
- *[2 = 2kW @ 265V]*
- *[3 = 3kW @ 230V] or [3 = 4kW @ 265V]*
- *[4 = 4kW @ 230V] or [4 = 5kW @ 265V]*
- *[5 = 5kW @ 230V] or [5 = 1.5kW @ 115V]*

**Air Options:**
- [A = Bottom Return, No Fresh Air (Std)]
- [B = Bottom Return, Motorized FA Damper]
- [C = Front Return, No Fresh Air]
- [D = Front Return, Motorized FA Damper]

**Chassis Option:**
- [A = Standard]

**Direct Chassis Replacement for:**
- Direct replacement for: Type 45/16 by AAF, McQuay, Comitale, Ice Air, American Standard, Remington, Singer, Nelson Aire, Ice Cap, Islandaire, Carteret, Adirondack Aire & McQuay PNES/PNHS

**Direct Chassis Replacement for:**

- [A = Bottom Return, No Fresh Air (Std)]
- [B = Bottom Return, Motorized FA Damper]
- [C = Front Return, No Fresh Air]
- [D = Front Return, Motorized FA Damper]

- [A = Standard]

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**Number of Units Ordered**

**Contact:**
- Below

**Address:**
- Below

**Phone:**
- Below

**Revision:**
- Below

**Made in the USA**

**ETL US**

**Intertek**
**Electrical Plug Configurations**

<table>
<thead>
<tr>
<th>VOLTAGE</th>
<th>LINE NO.</th>
<th>15 AMPERE</th>
<th>20 AMPERE</th>
<th>30 AMPERE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>RECEPTACLE</td>
<td>PLUG</td>
<td>RECEPTACLE</td>
</tr>
<tr>
<td>125V</td>
<td>5</td>
<td>5-15R</td>
<td>5-15P</td>
<td>5-20R</td>
</tr>
<tr>
<td>250V</td>
<td>6</td>
<td>6-15R</td>
<td>6-15P</td>
<td>6-20R</td>
</tr>
<tr>
<td>277V</td>
<td>7</td>
<td>7-15R</td>
<td>7-15P</td>
<td>7-20R</td>
</tr>
</tbody>
</table>

**Job-Guide Specifications**

- Standard Warranty: 1 Year - Parts & 5 Year - Compressor
- High Pressure Switch with Integral Compressor Lockout
- Microprocessor Control Board
- Diagnostic LED Codes with Test Mode
- Thermally-protected PSC fan motors
- Indoor Coil Freeze & Anti-Short Cycle (Compr), Protections
- Single Stage Heating Operation (w/ or w/o Electric Heat)
- DOE Performance Qualified & Listed
- ETL-US & Canada Listed for Safety to UL484 Standard
- Reversing Valve Energized in Cooling (Heat Pumps)
- Meets ASHRAE 90.1-2013 for Replacement Efficiencies

**Operating Range**

<table>
<thead>
<tr>
<th>Mode</th>
<th>OD Amb. Temp</th>
<th>ID Amb. Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling</td>
<td>Max 105°F (41°C) DB</td>
<td>80°F (27°C) DB</td>
</tr>
<tr>
<td></td>
<td>Min 32°F (0°C) DB</td>
<td>60°F (19°C) DB</td>
</tr>
<tr>
<td>Heating</td>
<td>Max 75°F (24°C) DB</td>
<td>80°F (27°C) DB</td>
</tr>
<tr>
<td></td>
<td>Min 40°F (4.4°C) DB</td>
<td>65°F (18°C) DB</td>
</tr>
</tbody>
</table>

**Indicate the quantity of field installed accessories, required for each unit**

<table>
<thead>
<tr>
<th>QTY Ordered</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Thermostat, Single-Stage, 1-Heat/1-Cool, 24Vac, Programmable, ICM, Manual Changeover (PN 240008208)</td>
</tr>
<tr>
<td></td>
<td>Thermostat, 2-Stage, 2-Heat/2-Cool, 24Vac, Programmable, ICM, Manual Changeover (PN 240008209)</td>
</tr>
<tr>
<td></td>
<td>Thermostat, Digital, Single-Stage, 1-Heat/1-Cool, 24Vac, Programmable, ICM, Auto Changeover (PN 240008210)</td>
</tr>
<tr>
<td></td>
<td>Thermostat, T9000, Wireless, Battery, Single Stage, 1-Ht/1-Cl, 5/2-Prog, MCO [#240009905 also required] (PN 240009781)</td>
</tr>
<tr>
<td></td>
<td>Remote Control Node, T9000, Printed Circuit Board, Wireless, 24Vac, 1/unit req'd [#240009781 also required] (PN 240009905)</td>
</tr>
<tr>
<td></td>
<td>Isolation Ball Valve, 1/2&quot;, Sweat Connections (PN 107000001)</td>
</tr>
<tr>
<td></td>
<td>Kit, Cabinet Wall Sleeve &amp; Louver, No/Electric Heat, Aluminum Outdoor &amp; Supply Louvers, Control Door, R10 (PN 550000190)</td>
</tr>
<tr>
<td></td>
<td>Kit, Wall Sleeve &amp; Louver, Architectural Aluminum Outdoor Louver, R20, 10/12/14/16/18&quot; Depths (PN 55000129-{ 2 / 3 / 4 / 5 / 6 }])</td>
</tr>
<tr>
<td></td>
<td>Kit, Hydronic/Steam Coil, 1-Row, Al-Cu, Left-Handed Piping, R20 (PN 550001539)</td>
</tr>
<tr>
<td></td>
<td>Kit, Hydronic/Steam Coil, 1-Row, Al-Cu, Right-Handed Piping, R20 (PN 550001541)</td>
</tr>
<tr>
<td></td>
<td>Kit, Aquastat, Hydronic Heat, Hot Water Sensor-Relay [Energizes Fan] (PN 550000383)</td>
</tr>
<tr>
<td></td>
<td>Kits, Water Valves, w/ Actuator, 2/3-Way, Line/24Vac, NO/NC, Sweat (Several Kits Available-Consult Factory)</td>
</tr>
</tbody>
</table>

**NOTICE**: Due to ongoing product development; design, specification and performance data listed within this submittal document are subject to change without notice. For the most current performance data, please refer to RetroAire listings of certified products in the DOE directory, or consult the factory.