**AHP-6250**

Air Conditioner/Heat Exchanger

- Air Cooled
- Through Mounted
- Nema-12, 4, 4X
- 4340 BTU/HR
- 120 VAC Input
- High Efficiency

**FEATURES**

- High capacity thermoelectric design
- Power saving air to air heat exchanger (ECO-mode)
- Heavy duty full perimeter mounting
- Lower profile intrusion into enclosure
- Central input cord for easy mounting
- Closed loop design
- Condensate control and evaporation system
- Increased efficiency at higher ambients by as much as 10%
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Weight 170 LBS.

**CONTROL TEMPERATURES**

<table>
<thead>
<tr>
<th>Control Type</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Cooling</td>
<td>35 °C</td>
</tr>
<tr>
<td>Heat Exchanger (ECO-Mode)</td>
<td>25 °C</td>
</tr>
<tr>
<td>Active Heating</td>
<td>10 °C</td>
</tr>
<tr>
<td>Typical Hysteresis</td>
<td>5 °C</td>
</tr>
<tr>
<td>Operating Ambient</td>
<td>-40/+65 °C</td>
</tr>
<tr>
<td>Operating Enclosure</td>
<td>-10/+60 °C</td>
</tr>
</tbody>
</table>

**POWER INPUTS**

- Voltage: 120 VAC
- Current, Active: 14 AMPS
- Current, ECO-Mode: 3.0 AMP
- Frequency: 50/60 Hz

**POWER INPUTS**

- Cooling (Traditional): 4340 BTU/HR
- Cooling (DIN 3168): 1273 WATTS
- Cooling COP (at L35 L35): 0.76
- Heating (Traditional): > 5524 BTU/HR
- Heating (DIN 3168): > 1620 WATTS
- Heating COP: > 1.0
- Heat Exchanger (ECO-mode): 45 W/°C

**PERFORMANCE RATINGS**

- 250 VDC configuration for crane applications available

**CONFIGURATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Notes</th>
<th>Temperature Control</th>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP-6250</td>
<td>0-K4J0-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-6250HC</td>
<td>0-K4I0-0-500</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-6250XE</td>
<td>0-K4J0-1-000</td>
<td>Cool only, sealed hot side fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-6250XEHC</td>
<td>0-K4I0-5-000</td>
<td>Heat/Cool, sealed hot side fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-6250X</td>
<td>0-K4J0-2-000</td>
<td>Cool only, Mil. grade hot side fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-6250XHC</td>
<td>0-K4J0-3-000</td>
<td>Heat/Cool, Mil. grade hot side fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-4X, IP 56</td>
</tr>
</tbody>
</table>

**INCLUDES**

- Power supply
- Temperature controller
- Power saving heat exchanger mode (ECO-Mode)
- Mounting gasket
- Mounting hardware
- Power input cord
- Circuit breaker
AHP-6250

**Mounting Style**
Through Mounted

**Environments Served**
- NEMA-12 IP 52
- NEMA-4,4X IP 56

**Rating (Traditional)**
- 4340 BTU/hr @ 0 °F ΔT
- 6060 BTU/hr @ +20 °F ΔT

**Rating (DIN 3168)**
- 1273 Watts L35 L35
- 600 Watts L35 L50

---

**Dimensions**

<table>
<thead>
<tr>
<th>External Hot Side Fans</th>
<th>Input Cord</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.52 [521]</td>
<td>9.40 [239]</td>
</tr>
<tr>
<td>37.00 [940]</td>
<td></td>
</tr>
<tr>
<td>3.77 [96]</td>
<td>9.89 [251]</td>
</tr>
<tr>
<td>4.64 [118]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Internal Cold Side Fans</th>
<th>Circuit Breaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.40 [239]</td>
<td>19.00X35.30 [483X997]</td>
</tr>
</tbody>
</table>

**Performance Curve**

Equation of line: \( y = \Delta T \) (°C) = Capacity (Watts)

- Enclosure Air: \( y = 0.022x - 28 \)
- Cold Sink: \( y = 0.016x - 28 \)

---

www.teca-eu.com 1-888-TECA-USA (832-2872)