AHP-6252

Air Conditioner/Heat Exchanger

- 240 VAC Input
- High Efficiency
- 5200 BTU/HR

**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>Model</th>
<th>Notes</th>
<th>Control</th>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP-6252</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-6252HC</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-6252HEC</td>
<td>Heat/Cool, sealed hot side fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-6252HX</td>
<td>Heat/Cool, Mil. grade hot side fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-4X/Harsh, IP 56</td>
</tr>
<tr>
<td>AHP-6252HXC</td>
<td>Heat/Cool, Mil. grade hot side fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-4X/Harsh, IP 56</td>
</tr>
</tbody>
</table>

* Unit is set for 5-32 VDC external signal, relay(s) included

**PERFORMANCE RATINGS**

- Cooling (Traditional) 5196 BTU/HR
- Cooling (Din 3168) 1524 WATTS
- Cooling COP (at L35 L35) 0.7
- Heating (Traditional) > 7365 BTU/HR
- Heating (Din 3168) > 2160 WATTS
- Heating COP > 1.0
- Heat Exchanger (ECO-mode) 45 W/°C

**POWER INPUTS**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Current, Active</th>
<th>Current, ECO-Mode</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 VAC</td>
<td>9.2 AMPS</td>
<td>1.5 AMP</td>
<td>50/60 Hz</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

**250 VDC configuration for crane applications available**

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**MOUNTING STYLE**
Through Mounted

**ENVIRONMENTS SERVED**
- NEMA-12      IP 52
- NEMA-4,4X   IP 56

**RATING (TRADITIONAL)**
- 5200 BTU/hr @ 0 °F ΔT
- 7000 BTU/hr @ +20 °F ΔT

**RATING (DIN 3168)**
- 1524 Watts L35 L35
- 800 Watts L35 L50

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**PERFORMANCE CURVE**

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

<table>
<thead>
<tr>
<th>Environment</th>
<th>Equation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>( y = 0.021x - 32 )</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>( y = 0.015x - 32 )</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

- **External Hot Side Fans**
- **Mounting Surface**
- **Internal Cold Side Fans**
- **Mounting Cutout**: 19.00x35.30 [483x897]

Dimensions do not include hardware.
Mounting hardware and gasket included but not shown.
Dimension: Inches [Millimeters]

[Diagram of performance curve and dimensions]