AHP-6252 Air Conditioner/Heat Exchanger

Through Mounted Nema-12, 4, 4X

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

**POWER INPUTS**

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

**PERFORMANCE RATINGS**

<table>
<thead>
<tr>
<th>Cooling (Traditional)</th>
<th>5196 BTU/HR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling (Din 3168)</td>
<td>1524 WATTS</td>
</tr>
<tr>
<td>Cooling COP (at L35 L35)</td>
<td>0.7</td>
</tr>
<tr>
<td>Heating (Traditional)</td>
<td>&gt; 7365 BTU/HR</td>
</tr>
<tr>
<td>Heating (Din 3168)</td>
<td>&gt; 2160 WATTS</td>
</tr>
<tr>
<td>Heating COP</td>
<td>&gt; 1.0</td>
</tr>
<tr>
<td>Heat Exchanger (ECO-mode)</td>
<td>45 W/°C</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

**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-6252</td>
<td>0-K4J2-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-6252HC</td>
<td>0-K4J2-1-000</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-6252XE</td>
<td>0-K4J2-4-000</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-6252XEHC</td>
<td>0-K4J2-5-000</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-6252X</td>
<td>0-K4J2-2-000</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-6252XHC</td>
<td>0-K4J2-3-000</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>
**AHP-6252**

**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: \( y = \Delta T (^\circ C) \ x = \text{Capacity (Watts)} \)

| Enclosure Air | \( y = 0.021x - 32 \) |
| Cold Sink    | \( y = 0.015x - 32 \) |

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**DIMENSIONS**

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

**External Hot Side Fans**
- 3.77 [96]
- 4.64 [118]

**Mounting Surface**
- 20.52 [521]
- 37.00 [940]

**Internal Cold Side Fans**
- 4.95 [126]
- 9.89 [251]

**Input Cord - Circuit Breaker**
- 1.00 [25]
- 1.00 [25]

**Mounting Cutout**
- 9.40 [239]
- 19.00X38.30 [483X997]

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