### AHP-4252 Air Conditioner/Heat Exchanger

**Configuration**
- **Model**: AHP-4252
- **Input**: 240 VAC
- **Capacity**: High Capacity
- **BTU/HR**: 3810

**Features**
- High capacity thermoelectric design
- Power saving air to air heat exchanger mode (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: 110 LBS

**Control Temperatures**

<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-4252</td>
<td>0-J5J2-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-4252</td>
<td>0-J5J2-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-4252HC</td>
<td>0-J5J2-1-000</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-4252HC</td>
<td>0-J5J2-1-000</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-4252XE</td>
<td>0-J5J2-4-000</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-4252XE</td>
<td>0-J5J2-4-000</td>
<td>Cool only, sealed hot side fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-4252XEH</td>
<td>0-J5J2-5-000</td>
<td>Heat/Cool, sealed hot side fans &amp; power supply</td>
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</tr>
<tr>
<td>AHP-4252XEH</td>
<td>0-J5J2-5-000</td>
<td>Heat/Cool, sealed hot side fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-4252X</td>
<td>0-J5J2-2-000</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-4252X</td>
<td>0-J5J2-2-000</td>
<td>Cool only, Mil. grade hot side fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-4252XHC</td>
<td>0-J5J2-3-000</td>
<td>Heat/Cool, Mil. grade hot side fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-4252XHC</td>
<td>0-J5J2-3-000</td>
<td>Heat/Cool, Mil. grade hot side fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-4X, IP 56</td>
</tr>
</tbody>
</table>

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

**Power Inputs**
- **Voltage**: 240 VAC
- **Current, Active**: 12.5 AMPS
- **Current, ECO-Mode**: 0.9 AMP
- **Frequency**: 50/60 Hz

**Performance Ratings**
- **Cooling (Traditional)**: 3810 BTU/HR
- **Cooling (Din 3168)**: 1120 WATTS
- **Cooling COP (at L35 L35)**: 0.37
- **Heating (Traditional)**: > 12000 BTU/HR
- **Heating (Din 3168)**: > 3600 WATTS
- **Heating COP**: > 1.0
- **Heat Exchanger (ECO-Mode)**: 30 W/°C

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

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**PERFORMANCE CURVE**

Equation of line: $y = \Delta T (^{\circ}C) = x \cdot \text{Capacity (Watts)}$

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>35°C</th>
<th>50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>$y = .033x - 36.9$</td>
<td>$y = .033x - 38.9$</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>$y = .025x - 36.9$</td>
<td>$y = .025x - 38.9$</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

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

**MOUNTING STYLE**
Through Mounted

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

**RATING (TRADITIONAL)**
3810 BTU/hr @ 0 °F ΔT
4960 BTU/hr @ +20 °F ΔT

**RATING (DIN 3168)**
1120 Watts L35 L35
720 Watts L35 L50

**AIR CONDITIONER - AIR COOLED**
AHP-4252

**PERFORMANCE CURVE**

**AIR FLOW PATTERN**

**DIMENSIONS**

Mounting Cutout
23.20 X 18.90 [589 X 480]