AHP-2252 Air Conditioner/Heat Exchanger

**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
- Compact
- 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 60 LBS.

**CONTROL TEMPERATURES**
- Active Cooling: 35 °C
- Heat Exchanger (ECO-Mode): 25 °C
- Active Heating: 10 °C
- Typical Hysteresis: 5 °C
- Operating Ambient: -40/+65 °C
- Operating Enclosure: -10/+60 °C

**POWER INPUTS**
- Voltage: 240 VAC
- Current, Active: 6.5 AMPS
- Current, ECO-Mode: 0.5 AMPS
- Frequency: 50/60 Hz

**PERFORMANCE RATINGS**
- Cooling (Traditional): 2060 BTU/HR
- Cooling (Din 3168): 605 WATTS
- Cooling COP (at L35 L35): 0.4
- Heating (Traditional): > 5320 BTU/HR
- Heating (Din 3168): > 1560 WATTS
- Heating COP: > 1.0
- Heat Exchanger (ECO-Mode): 12.5 W/°C

**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-2252</td>
<td>0-H5J2-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-2252HC</td>
<td>0-H5J2-1-000</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-2252XE</td>
<td>0-H5J2-4-000</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-2252XEHC</td>
<td>0-H5J2-5-000</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-2252X</td>
<td>0-H5J2-2-000</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-2252XHC</td>
<td>0-H5J2-3-000</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

**250 VDC configuration for crane applications available**
**DIMENSIONS**

**PERFORMANCE CURVE**

<table>
<thead>
<tr>
<th>Cooling Capacity (Watts)</th>
<th>Temperature Differential (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>100</td>
<td>-20</td>
</tr>
<tr>
<td>200</td>
<td>-30</td>
</tr>
<tr>
<td>300</td>
<td>-40</td>
</tr>
<tr>
<td>400</td>
<td>-50</td>
</tr>
<tr>
<td>500</td>
<td>-60</td>
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<tr>
<td>600</td>
<td>-70</td>
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<tr>
<td>700</td>
<td>-80</td>
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<tr>
<td>800</td>
<td>-90</td>
</tr>
<tr>
<td>900</td>
<td>-100</td>
</tr>
<tr>
<td>1000</td>
<td>-110</td>
</tr>
</tbody>
</table>

**EQUATION OF LINE**

- Ambiance Temp 35°C: \( y = 0.061x - 36.9 \)
- Ambiance Temp 50°C: \( y = 0.061x - 39 \)
- Enclosure Air: \( y = 0.045x - 36.9 \)
- Cold Sink: \( y = 0.045x - 39 \)

**MOUNTING CUTOUT DIMENSIONS**

- **EXTERNAL HOT SIDE FANS**
  - Dimensions: 13.02 [331]
  - Internal Cold Side Fans: 10.23 [259]
- **MOUNTING SURFACE**
  - Dimensions: 4.64 [118] / 3.77 [96]
- **INPUT CORD**
  - Dimensions: 6.10 [155] / 2.03 [52]
- **CIRCUIT BREAKER**
  - Dimensions: 6.10 [155] / 5.54 [141]
- **HOLE CLEARANCE**
  - Dimensions: 6.99 [177]

**ENVIRONMENTS SERVED**

- NEMA-12 IP 52
- NEMA-4,4X IP 56

**RATING (TRADITIONAL)**

- 2060 BTU/hr @ 0 °F ΔT
- 2680 BTU/hr @ +20 °F ΔT

**RATING (DIN 3168)**

- 605 Watts L35 L35
- 395 Watts L35 L50

**MOUNTING STYLE**

- Through Mounted

**PERFORMANCE CURVE**

Air Conditioner - Air Cooled

AHP-2252

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