AHP-2250 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
<table>
<thead>
<tr>
<th>Feature</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></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
- Voltage: 120 VAC
- Current, Active: 10.8 AMPS
- Current, ECO-Mode: 1 AMP
- Frequency: 50/60 Hz

PERFORMANCE RATINGS
- Cooling (Traditional): 1880 BTU/HR
- Cooling (Din 3168): 550 WATTS
- Cooling COP (at L35 L35): 0.42
- Heating (Traditional): > 4000 BTU/HR
- Heating (Din 3168): > 1200 WATTS
- Heating COP: > 1.0
- Heat Exchanger (ECO-Mode): 12.5 W/°C

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

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-2250</td>
<td>0-H5J0-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-2250HC</td>
<td>0-H5J0-1-000</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-2250XE</td>
<td>0-H5J0-4-000</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-2250XEHC</td>
<td>0-H5J0-5-000</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-2250X</td>
<td>0-H5J0-2-000</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-2250XHC</td>
<td>0-H5J0-3-000</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>

TECA 1-888-TECA-USA (832-2872) www.teca-usa.com
**AHP-2250**

**MOUNTING STYLE**
Through Mounted

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

**Rating (Traditional)**
- 1880 BTU/hr @ 0 °F ΔT
- 2490 BTU/hr @ +20 °F ΔT

**Rating (DIN 3168)**
- 550 Watts L35 L35
- 330 Watts L35 L50

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**PERFORMANCE CURVE**

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

<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 = 0.062x - 34.2)</td>
<td>(y = 0.062x - 35.4)</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>(y = 0.046x - 34.2)</td>
<td>(y = 0.046x - 35.4)</td>
</tr>
</tbody>
</table>

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**Dimensions**

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

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**Performance Curve**

- Cooling Capacity (BTU/HR)
  - Ambient Temp 35°C
  - Ambient Temp 50°C

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**Mounting Cutout Dimensions**

- Input Cord
- 6.10 [155]
- 2.03 [52]
- Internal Cold Side Fans
- 5.54 [141]
- Circuit Breaker
- 4.95 [126]
- External Hot Side Fans
- 18.79 [479]
- 3.77 [96]
- 4.64 [118]
- 20.52 [521]

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**Air Conditioner - Air Cooled**

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