AHP-1501 Air Conditioner

**FEATURES**
- Mounts in multi-unit array for incremental capacity
- Closed loop design
- Condensate control and evaporation system
- Compact
- Increased efficiency at higher ambients by as much as 10%
- Virtually maintenance-free operation
- Environmentally friendly and safe
- No compressor, fluorocarbons or filters
- Stainless steel exterior housing
- Operating ambient temperature range: -40/+70 °C
- Operating enclosure temperature range: -10/+60 °C
- Weight: 48 LBS.

**POWER INPUTS**
- Voltage: 24 VDC
- Current, Active: 18 AMPS
- Current, ECO-Mode: 1.9 AMPS

**PERFORMANCE RATINGS**
- Cooling (Traditional): 1000 BTU/HR
- Cooling (Din 3168): 300 WATTS
- Cooling COP (at L35 L35): 0.70
- Heating (Traditional): > 1473 BTU/HR
- Heating (Din 3168): > 432 WATTS
- Heating COP: > 1.0

**INCLUDES**
- Temperature controller
- Mounting gasket
- Mounting hardware
- Power input leads

**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-1501</td>
<td>0-2185-0-000</td>
<td>Cool only</td>
<td>TC-6F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1501</td>
<td>0-21F5-0-000</td>
<td>Cool only</td>
<td>TC-1F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1501HC</td>
<td>0-2135-1-000</td>
<td>Cool only</td>
<td>TC-3F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1501HC</td>
<td>0-2115-1-000</td>
<td>Heat/Cool</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1501HC</td>
<td>0-2155-1-000</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1501HC</td>
<td>0-2115-1-000</td>
<td>Heat/Cool</td>
<td>TC-4600</td>
<td>NEMA-12, IP 52</td>
</tr>
</tbody>
</table>

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

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**CONTROL TEMPERATURES**

<table>
<thead>
<tr>
<th>Temp. Control</th>
<th>Active Heat °C</th>
<th>ECO-Mode °C</th>
<th>Active Cool °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC-1F</td>
<td>-</td>
<td>-</td>
<td>35</td>
</tr>
<tr>
<td>TC-6F</td>
<td>-</td>
<td>-</td>
<td>25 or 35</td>
</tr>
<tr>
<td>TC-3F</td>
<td>10</td>
<td>-</td>
<td>35</td>
</tr>
<tr>
<td>TC-7F</td>
<td>10</td>
<td>25</td>
<td>35</td>
</tr>
</tbody>
</table>

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**250 VDC configuration for crane applications available**
**PERFORMANCE CURVE**

- **Equation of line:** \( y = \frac{1}{H9004} T(\degree C) \)  \( x = \text{Capacity (Watts)} \)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>20°C</th>
<th>40°C</th>
<th>60°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>( y = 0.136x - 38.4 )</td>
<td>( y = 0.136x - 40.5 )</td>
<td>( y = 0.136x - 42.6 )</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>( y = 0.10x - 38.4 )</td>
<td>( y = 0.10x - 40.5 )</td>
<td>( y = 0.10x - 42.6 )</td>
</tr>
</tbody>
</table>

**AHP-1501 DIMENSIONS**

- **Mounting Surface:**
  - (8) 10-32 Mounting Taps
  - (4) 6-32 Mounting Taps

- **MOUNTING CUTOUT DIMENSIONS**
  - 8 x Ø0.216 [80]
  - 5.71 [145]
  - 4.50 [115]
  - 1.55 [39]
  - 4 x Ø0.156 [24] Optional

*Dimension does not include hardware and sealant. Mounting hardware, drip pan and gasket included but not shown. Dimensions: Inches [Millimeters]*

**Air Conditioner - Air Cooled**

**AHP-1501**

- **Mounting Style:** Through Mounted
- **Environments Served:**
  - NEMA-12: IP 52
  - NEMA-4: IP 56
- **Rating (Traditional):**
  - 1000 BTU/hr @ 0 °F ΔT
  - 1300 BTU/hr @ +20 °F ΔT
- **Rating (DIN 3168):**
  - 300 Watts L35 L35
  - 187 Watts L35 L50