AHP-1501 Air Conditioner

Air Cooled
Through Mounted
NEMA-12 & NEMA-4

120/240 VAC Input
1000 BTU/HR

FEATURES
- Mounts in multi-unit array for incremental capacity
- Dual voltage 120/240 VAC
- 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
- Agency approvals: UL 1995, CSA 22.2, CE
- Weight 52 LBS.

POWER INPUTS
Voltage 120/240 VAC
Current 8.0/5.0 AMPS

PERFORMANCE RATINGS
Cooling (Traditional) 1000 BTU/HR
Cooling (Din 3168) 300 WATTS
Cooling COP (at L35 L35) 0.31
Heating (Traditional) < 2000 BTU/HR
Heating (Din 3168) < 600 WATTS

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>0-2181-0-000</td>
<td>Cool only</td>
<td>TC-6F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1501</td>
<td>0-21F1-0-000</td>
<td>Cool only</td>
<td>TC-1F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1501</td>
<td>0-2151-0-000</td>
<td>Cool only</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1501HC</td>
<td>0-2131-1-000</td>
<td>Heat/Cool</td>
<td>TC-3F</td>
<td>NEMA-12, IP 52</td>
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<tr>
<td>AHP-1501XE</td>
<td>0-2181-4-000</td>
<td>Cool only</td>
<td>TC-6F</td>
<td>NEMA-4, IP 56</td>
</tr>
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CONTROL TEMPERATURES

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<tr>
<th>Temp. Control</th>
<th>Active Heat</th>
<th>ECO-Mode</th>
<th>Active Cool</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>
</tbody>
</table>

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

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

Equation of line: $y = \frac{\Delta t}{H}$ (°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>
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**AHP-1501 DIMENSIONS**

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

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**AHP-1501**

**MOUNTING STYLE**

- Through Mounted

**ENVIROMENTS SERVED**

- NEMA-12 IP 52
- NEMA-4 IP 56

**RATING (TRADITIONAL)**

- 1000 BTU/hr @ 0 °F $\Delta T$
- 1300 BTU/hr @ +20 °F $\Delta T$

**RATING (DIN 3168)**

- 300 Watts L35 L35
- 187 Watts L35 L50