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 ambient temperatures 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/+65 °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>
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<tr>
<td>AHP-1501</td>
<td>0-21F5-0-000</td>
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<td>TC-1F</td>
<td>NEMA-12, IP 52</td>
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<tr>
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<td>Cool only</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
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<td>Heat/Cool</td>
<td>TC-7F</td>
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<tr>
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<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
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<td>Heat/Cool</td>
<td>TC-4600</td>
<td>NEMA-12, IP 52</td>
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**CONTROL TEMPERATURES**

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<td>TC-7F</td>
</tr>
</tbody>
</table>

250 VDC configuration for crane applications available
PERFORMANCE CURVE

Equation of line: \( y = \frac{37}{19004} T \) (°C)
\( x = \) 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 STYLE
Through Mounted

ENVIROMENTS 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

AHP-1501 Air Conditioner - Air Cooled

Air Flow Pattern

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