# AHP-1200 Air Conditioner

## FEATURES
- High capacity thermoelectric design
- Lower profile intrusion into enclosure
- Closed loop design
- Condensate control and evaporation system
- Compact
- Increased efficiency at higher ambients by as much as 12%
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Operating ambient temperature range -40/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Easy to use Pivot Clean feature
- Weight 18 LBS.
- Agency approvals: UL 1995, CSA 22.2, CE

## POWER INPUTS
- **Voltage**: 48 VDC
- **Current, Active**: 4.5 AMPS
- **Current, ECO-Mode**: 0.45 AMPS

## PERFORMANCE RATINGS
- **Cooling (Traditional)**: 530 BTU/HR
- **Cooling (Din 3168)**: 154 WATTS
- **Cooling COP (at L35 L35)**: 0.71
- **Heating (Traditional)**: > 736 BTU/HR
- **Heating (Din 3168)**: > 216 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-1200</td>
<td>0-3096-0-000</td>
<td>Cool only</td>
<td>None</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1200</td>
<td>0-3086-0-000</td>
<td>Cool only</td>
<td>TC-6F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1200</td>
<td>0-30F6-0-000</td>
<td>Cool only</td>
<td>TC-1F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1200</td>
<td>0-3056-0-000</td>
<td>Cool only</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1200HC</td>
<td>0-3036-1-000</td>
<td>Heat/Cool</td>
<td>TC-3F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1200HC</td>
<td>0-3016-1-000</td>
<td>Heat/Cool</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1200HC</td>
<td>0-3056-1-000</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1200XE</td>
<td>0-3096-4-000</td>
<td>Cool only</td>
<td>None</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1200XE</td>
<td>0-3086-4-000</td>
<td>Cool only</td>
<td>TC-6F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1200XE</td>
<td>0-30F6-4-000</td>
<td>Cool only</td>
<td>TC-1F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1200XE</td>
<td>0-3056-4-000</td>
<td>Cool only</td>
<td>EXT*</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1200XEH</td>
<td>0-3036-5-000</td>
<td>Heat/Cool</td>
<td>TC-3F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1200XEH</td>
<td>0-3016-5-000</td>
<td>Heat/Cool</td>
<td>TC-7F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1200XEH</td>
<td>0-3056-5-000</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-4, IP 56</td>
</tr>
</tbody>
</table>

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

## CONTROL TEMPERATURES

<table>
<thead>
<tr>
<th>CONTROL TEMPERATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp. Control</td>
</tr>
<tr>
<td>TC-1F</td>
</tr>
<tr>
<td>TC-6F</td>
</tr>
<tr>
<td>TC-3F</td>
</tr>
<tr>
<td>TC-7F</td>
</tr>
</tbody>
</table>

† Full shock and vibration models
PERFORMANCE CURVE

Equation of line: \( y = \frac{1}{2}x - 39 \) for different ambient temperatures:

- **Enclosure Air**
  - 20°C: \( y = 0.255x - 39.0 \)
  - 40°C: \( y = 0.255x - 41.0 \)
  - 60°C: \( y = 0.255x - 42.0 \)

- **Cold Sink**
  - 20°C: \( y = 0.166x - 39.0 \)
  - 40°C: \( y = 0.166x - 41.0 \)
  - 60°C: \( y = 0.166x - 42.0 \)

MOUNTING STYLE

Through Mounted

ENVIRONMENTS SERVED

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

RATING (TRADITIONAL)

- 530 BTU/hr @ 0 °F ΔT

RATING (DIN 3168)

- 154 Watts L35 L35
- 100 Watts L35 L50

DIMENSIONS

External Hot Side Fan 7.35 *

Input Power Cable 15.00 [381.00]

Mounting Surface 13.00 [330.00]

Internal Cold Side Fan 8.17 [207.52]

(12) 10-32 Studs 3.13 [79.40]

3.452 [87.68] TYP.

3.452 [87.68] TYP.

3.452 [87.68] TYP.

3.452 [87.68] TYP.

5.50 [139.60] Circuit Breaker (VAC models only)

Temp. Adjustment (TC-6F models only)

Dimensions: Inches [Millimeters]

* Dimension does not include hardware and sealant. Mounting hardware and gasket included but not shown.

AHP-1200

Air Conditioner - Air Cooled

Air Flow Pattern