### AHP-1200 Air Conditioner

**TECA 1-888-TECA-USA (832-2872) www.thermoelectric.com**

**Air Cooled Through Mounted**

**NEMA-12, 4,4X**

**24 VDC Input**

**High Efficiency**

**530 BTU/HR**

### 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

<table>
<thead>
<tr>
<th>Voltage</th>
<th>24 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current, Active</td>
<td>9.0 AMPS</td>
</tr>
<tr>
<td>Current, ECO-Mode</td>
<td>0.9 AMPS</td>
</tr>
</tbody>
</table>

### 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>0-3095-0-000</td>
<td>Cool only</td>
<td>None</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1200X</td>
<td>0-3095-2-000</td>
<td>Cool only</td>
<td>None</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1200HC</td>
<td>0-3055-5-000</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1200XE</td>
<td>0-3055-4-000</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1200XHC</td>
<td>0-3055-3-000</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-4, IP 56</td>
</tr>
</tbody>
</table>

### 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>35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TC-6F</td>
<td>25 or 35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TC-3F</td>
<td>35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TC-7F</td>
<td>25</td>
<td>35</td>
<td></td>
</tr>
</tbody>
</table>

### ECO Mode vs Active Mode

- **Power Used (Watts)**
  - **ECO**
  - **ACTIVE**

### INCLUDES

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

<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-1200X</td>
<td>0-3095-2-000</td>
<td>Cool only</td>
<td>None</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1200X</td>
<td>0-3085-2-000</td>
<td>Cool only</td>
<td>TC-6F</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1200X</td>
<td>0-3055-2-000</td>
<td>Cool only</td>
<td>TC-1F</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1200X</td>
<td>0-3055-2-036</td>
<td>Cool only</td>
<td>EXT*</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1200XHC</td>
<td>0-3085-3-000</td>
<td>Heat/Cool</td>
<td>TC-3F</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1200XHC</td>
<td>0-3055-3-000</td>
<td>Heat/Cool</td>
<td>TC-7F</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1200XHC</td>
<td>0-3055-3-036</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1200XHC†</td>
<td>0-3055-3-038</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1200HC†</td>
<td>0-30L5-1-000</td>
<td>Heat/Cool</td>
<td>TC-5300D</td>
<td>NEMA-12, IP 52</td>
</tr>
</tbody>
</table>

† Precise temperature control model

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

Equation of line: \( y = \frac{1}{H9004} T \) where \( x = \text{Capacity (Watts)} \)

Ambient Temp | 20°C | 40°C | 60°C
---|---|---|---
Enclosure Air | \( y = 0.255x - 39.0 \) | \( y = 0.255x - 41.0 \) | \( y = 0.255x - 42.0 \)
Cold Sink | \( y = 0.166x - 39.0 \) | \( y = 0.166x - 41.0 \) | \( y = 0.166x - 42.0 \)

DIMENSIONS

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

AHP-1200

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

Air Flow Pattern

MOUNTING CUTOUT DIMENSIONS

Temp. Adjustment (TC-6F models only)

12\( \times \)0.218 [06]

Circuit Breaker (VAC models only)

5.50 [139.60]

3.452 [87.68] TYP.

(2) 10-32 Studs

3.13 [79.40]

3.13 [79.40]

2.88 [73.15]

2.88 [73.15]

5.76 [146.30]

2.62 [66.51]

13.24 [336.30]

3.125 [79.38]

3.125 [79.38]

3.125 [79.38]