**AHP-401 Air Conditioner**

**Air Cooled**

**Through Mounted**

**Nema-12**

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**FEATURES**

- Compact (only 10” X 5.84” X 7.75”)
- Mounts and operates in any orientation: horizontal, vertical, etc.
- Low vibration and noise
- No moving parts except fans
- Environmentally safe
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing
- Suitable for NEMA-12 (IP 52) environment
- Easy to use Pivot Clean feature
- Operating ambient temperature range -40/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Weight 16 LBS.

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**CONTROL TEMPERATURES**

| Active Cooling (TC-1F, TC-3F) | 35 °C |
| Active Heating (TC-3F)         | 10 °C |
| Typical Hysteresis             | 5 °C  |
| Operating Ambient              | -40/+70 °C |
| Operating Enclosure            | -10/+60 °C |

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**PERFORMANCE RATINGS**

| Cooling (Traditional) | 220 BTU/HR |
| Cooling (Din 3168)    | 65 WATTS   |
| Cooling COP (at L35 L35) | 0.45     |

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**POWER INPUTS**

| Voltage  | 120 or 240 VAC |
| Current, Active | 1.2 / 0.65 AMPS |

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**CONFIGURATIONS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>VOLTAGE VAC</th>
<th>CURRENT AMPS</th>
<th>TEMPERATURE CONTROL</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP-401</td>
<td>0-F090-0-001</td>
<td>Cool only</td>
<td>120</td>
<td>1.2</td>
<td>None</td>
</tr>
<tr>
<td>AHP-401</td>
<td>0-F0F0-0-001</td>
<td>Cool only</td>
<td>120</td>
<td>1.2</td>
<td>TC-1F</td>
</tr>
<tr>
<td>AHP-401</td>
<td>0-F050-0-001</td>
<td>Cool only</td>
<td>120</td>
<td>1.2</td>
<td>EXT*</td>
</tr>
<tr>
<td>AHP-401HC</td>
<td>0-F030-1-001</td>
<td>Heat/Cool</td>
<td>120</td>
<td>1.2</td>
<td>TC-3F</td>
</tr>
<tr>
<td>AHP-402</td>
<td>0-F092-0-001</td>
<td>Cool only</td>
<td>240</td>
<td>0.65</td>
<td>None</td>
</tr>
<tr>
<td>AHP-402</td>
<td>0-F0F2-0-001</td>
<td>Cool only</td>
<td>240</td>
<td>0.65</td>
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</tr>
</tbody>
</table>

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

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**INCLUDES**

- Temperature controller
- Mounting gasket
- Mounting hardware
- Integral power input cord

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**TECA**

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

Equation of Line: \( y = \frac{3}{15} T \) (°C) \( x = \) Capacity (Watts)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>30°C</th>
<th>50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>( y = 0.67x - 43 )</td>
<td>( y = 0.67x - 44.5 )</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

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

**AHP-401**

**MOUNTING STYLE**

Through Mounted

**ENVIRONMENTS SERVED**

NEMA-12 IP 52

**RATING (TRADITIONAL)**

220 BTU/hr @ 0 °F \( \Delta T \)
275 BTU/hr @ +20 °F \( \Delta T \)

**RATING (DIN 3168)**

65 Watts L35 L35
45 Watts L35 L50

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