AHP-401 Air Conditioner

**Air Cooled**
**Through Mounted**
**Nema-12**

**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.

**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

**POWER INPUTS**
- Voltage 120 or 240 VAC
- Current, Active 1.2 / 0.65 AMPS

**PERFORMANCE RATINGS**
- Cooling (Traditional) 220 BTU/HR
- Cooling (Din 3168) 65 WATTS
- Cooling COP (at L35 L35) 0.45

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

**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>
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</tr>
</tbody>
</table>

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

Equation of Line: \( y = \Delta T(°C) \), \( x = \text{Capacity (Watts)} \)

<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]

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