**AHP-450CP Cold/Hot Plate**

**Air Cooled** General Purpose 24 VDC
High Efficiency
68 Watts

### Features
- Flat aluminum plate (8” x 4.70”) [203 x 119]
- Standard 6-32X.25 UNC threads
- Compact (only 10” x 5.76” x 4.45”) [254 x 146 x 113]
- Mounts and operates in any orientation: horizontal, vertical, etc.
- Low vibration and noise
- No moving parts except fan
- Environmentally safe
- No compressor, fluorocarbons or filters
- Cools and heats via reverse polarity
- Virtually maintenance-free operation
- Pivot clean
- Weight 7 LBS. (3.2 KG)

### Includes
- Mounting gasket
- Mounting hardware
- Power input leads

### Options
- Custom cold plate threads and/or inserts
- Flat plate without holes or threads
- Stainless steel exterior fan shroud and housing
- Custom fans: Quiet, Speed Control, Waterproof
- Use with TC-3400, TC-3500 and TC-4600 controls

### Performance Ratings
- Cooling: 68 WATTS
- Cooling COP: 1.8
- Heating: > 36 Watts

### Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>PERFORMANCE RATING WATTS</th>
<th>VOLTAGE VDC</th>
<th>CURRENT AMPS</th>
<th>TEMP CONTROL</th>
<th>OPERATING AMBIENT °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP-450CPHC</td>
<td>1-F095-1-000</td>
<td>Heat/Cool</td>
<td>68</td>
<td>24</td>
<td>1.5</td>
<td>None</td>
<td>-10/+60</td>
</tr>
<tr>
<td>AHP-450CPHC</td>
<td>1-F094-1-000</td>
<td>Heat/Cool</td>
<td>68</td>
<td>12</td>
<td>3</td>
<td>None</td>
<td>-10/+60</td>
</tr>
</tbody>
</table>

Heat function via reverse polarity (requires controller with H-Bridge)
**PERFORMANCE CURVE**

Equation of Line:

\[ y = \frac{x}{0.41} - 28 \] for Cold Plate

Ambient Temp: 35°C, 50°C

Cold Plate:

- \( y = 0.41x - 28 \)
- \( y = 0.41x - 29 \)

**DIMENSIONS**

- **Hot Side Fan**
  - Terminal Strip: 5.76" [146]
  - 10.00" [254]

- **Cold Plate Surface**
  - 4.45" [113]
  - 8.00" [203]

- 4X6-32 Cold Plate Accessory Holes: 4.70" [119]

- 4X10-32 Threads: 5.31" [135]

Dimension does not include hardware and sealant.

Hardware and gasket included but not shown.

Dimensions: Inches [Millimeters]

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