AHP-250CP Cold/Hot Plate

Air Cooled General Purpose 12 VDC, 24 VDC
46 Watts

**FEATURES**
- Compact (only 6" X 4.75" X 4.4")
- 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
- Heat via reverse polarity
- Virtually maintenance-free operation
- Weight 3.8 LBS. (1.7 KG)

**INCLUDES**
- Mounting gasket
- Mounting hardware
- Power input leads

**OPTIONS**
- Adaptable for TC-3400 controller
- Adaptable for TC-3500 H-Bridge controller
- Stainless steel exterior housing

**PERFORMANCE RATINGS**
- Cooling 46 WATTS
- Cooling COP 0.64
- Heating > 72 Watts

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>PERFORMANCE RATING</th>
<th>VOLTAGE VDC</th>
<th>CURRENT AMPS</th>
<th>TEMP. CONTROL</th>
<th>OPERATING AMBIENT °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP-250CPHC</td>
<td>1-L094-1-000</td>
<td>Heat/Cool</td>
<td>46</td>
<td>12</td>
<td>6</td>
<td>None</td>
<td>-10/+60</td>
</tr>
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<td>AHP-250CPHC</td>
<td>1-L095-1-000</td>
<td>Heat/Cool</td>
<td>46</td>
<td>24</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: \( y = \frac{x}{9004} \)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>Capacity (Watts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>35°C</td>
<td>1.15x - 52.8</td>
</tr>
<tr>
<td>50°C</td>
<td>1.15x - 55.4</td>
</tr>
</tbody>
</table>

AHP-250CP
Cold Plate - Air Cooled

ENVIRONMENTS
- Bench Top
- Factory
- Industrial
- OEM

COOLING CAPACITY
- 46 Watts @ 0 °C ΔT

DIMENSIONS

External Hot Side Fan
- 6.00 [152]
- 4.75 [121]

Cold Plate Surface
- 1.00 [25]
- 4.38 [111]
- 4 X 8-32 Threads
- 4.05 [103]
- 3.50 [89]
- 5.30 [135]
- 4.00 [102]

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