AHP-451CP Cold/Hot Plate

Air Cooled
Bench Top

General Purpose 120 VAC or 240 VAC
High Efficiency
117 Watts

FEATURES
- Flat aluminum plate (8” x 4.70”) [203 x 119]
- Standard 6-32X.25 UNC inserts
- Compact (only 10” x 5.84” x 6.72”) [254 x 148 x 170]
- Mounts and operates in any orientation: horizontal, vertical, etc.
- Low vibration and noise
- No moving parts except fan
- Environmentally safe
- No compressor, fluorocarbon or filters
- Heating via embedded resistive heaters
- Virtually maintenance-free operation
- Pivot clean feature
- Weighs less than 12 LBS. (5.5 KG)

INCLUDES
- Mounting gasket
- Mounting hardware
- Power cord

OPTIONS
- Custom cold plate threads and/or inserts
- Flat plate without holes or threads
- Quiet fan
- Use with external TC-3400 controller

PERFORMANCE RATINGS
Cooling COP 0.76

SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>PERFORMANCE RATING WATTS</th>
<th>VOLTAGE VAC</th>
<th>CURRENT AMPS</th>
<th>WEIGHT LBS. (KG)</th>
<th>TEMP CONTROL</th>
<th>OPERATING AMBIENT °C</th>
</tr>
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<tr>
<td>AHP-451CP</td>
<td>1-F090-0-000</td>
<td>Cool only</td>
<td>117</td>
<td>120</td>
<td>1.3</td>
<td>12(5.2)</td>
<td>None</td>
<td>-15/+70</td>
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* Unit is set for 5-32 VDC external control signal, relay included
**PERFORMANCE CURVE**

Equation of Line:  
\[ y = \frac{0.28}{9004} x \]

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<tr>
<th>Ambient Temp</th>
<th>35°C</th>
<th>50°C</th>
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<tr>
<td>Cold Plate</td>
<td>( y = 0.28x - 32.7 )</td>
<td>( y = 0.28x - 33.6 )</td>
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**DIMENSIONS**

* Dimension does not include hardware and sealant  
Dimensions: Inches [Millimeters]

**AHP-451CP**  
Cold Plate- Air Cooled  

**ENVIROMENTS**  
Bench Top, Factory, Industrial, OEM  

**COOLING CAPACITY**  
117 Watts @ 0 °C \( \Delta T \)