

# AHP-150CP

# Cold/Hot Plate

Air Cooled

General Purpose 12 VDC, 24 VDC  
40 Watts

## FEATURES

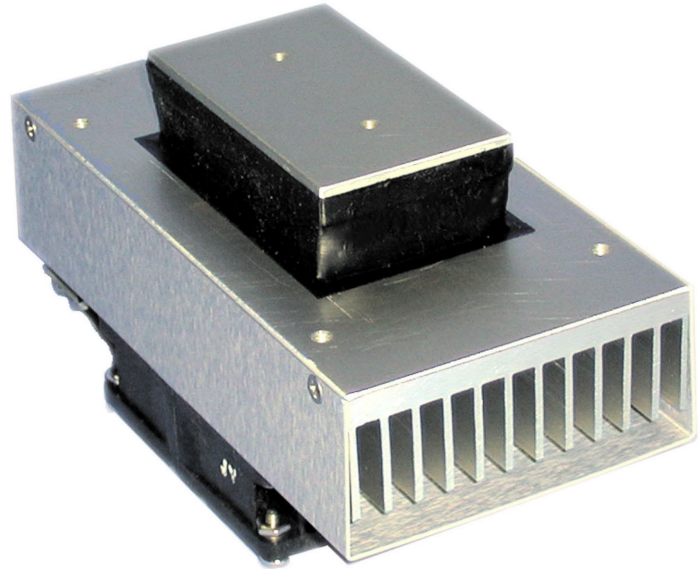
- Compact (only 7" X 3.63" X 3.95")
- Mounts and operates in any orientation: horizontal, vertical, etc.
- Low vibration and noise
- No moving parts except fan
- Environmentally safe
- No compressor, fluorocarbons or filters
- Heat via reverse polarity
- Virtually maintenance-free operation
- Weight 2.5 LBS. (1.2 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     | 40 WATTS   |
| Cooling COP | 0.55       |
| Heating     | > 72 Watts |

## SPECIFICATIONS

| MODEL       | PART NUMBER  | NOTES     | PERFORMANCE<br>RATING<br>WATTS | VOLTAGE<br>VDC | CURRENT<br>AMPS. | TEMP.<br>CONTROL | OPERATING<br>AMBIENT °C |
|-------------|--------------|-----------|--------------------------------|----------------|------------------|------------------|-------------------------|
| AHP-150CP   | 1-8098-0-000 | Cool only | 40                             | 12/24          | 6/3              | None             | -10/+60                 |
| AHP-150CPHC | 1-8098-1-001 | Heat/Cool | 40                             | 12/24          | 6/3              | None*            | -10/+60                 |

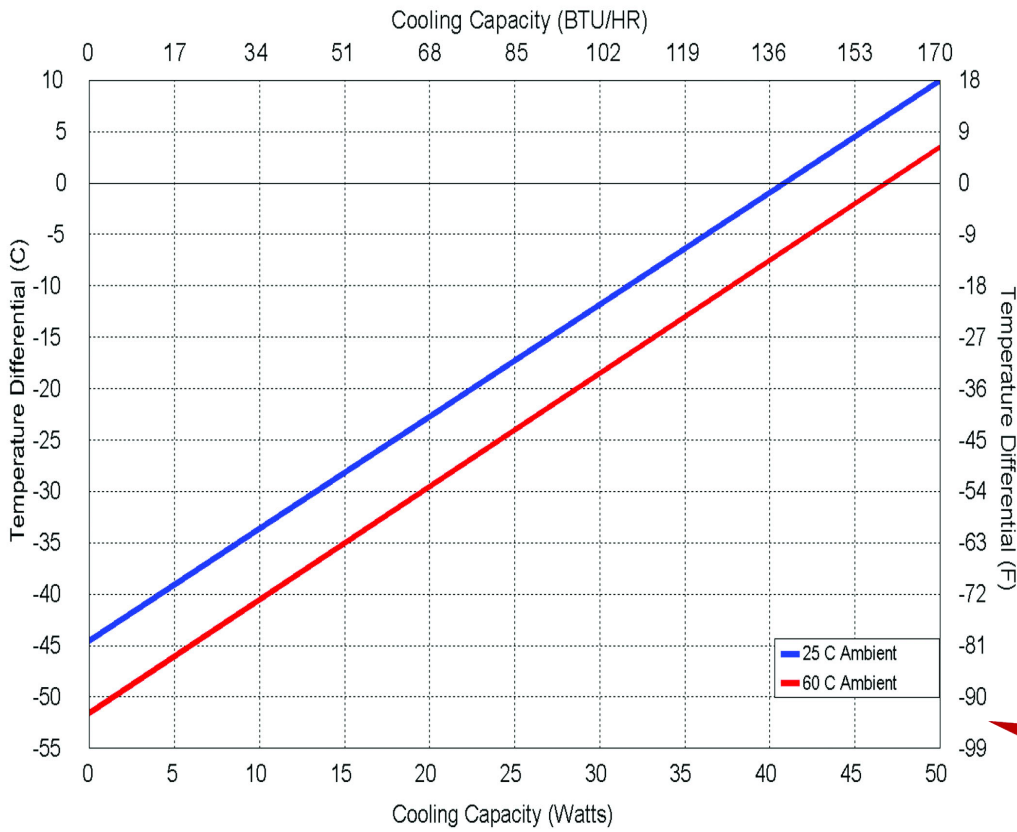
\* Heat function via reverse polarity (requires controller with H-Bridge, TC-5300 & HA-5300)

**AHP-150CP****ENVIRONMENTS**

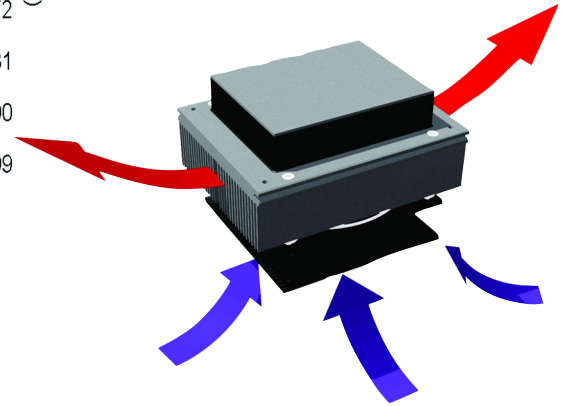
Bench Top, Factory, Industrial, OEM

**COOLING CAPACITY**

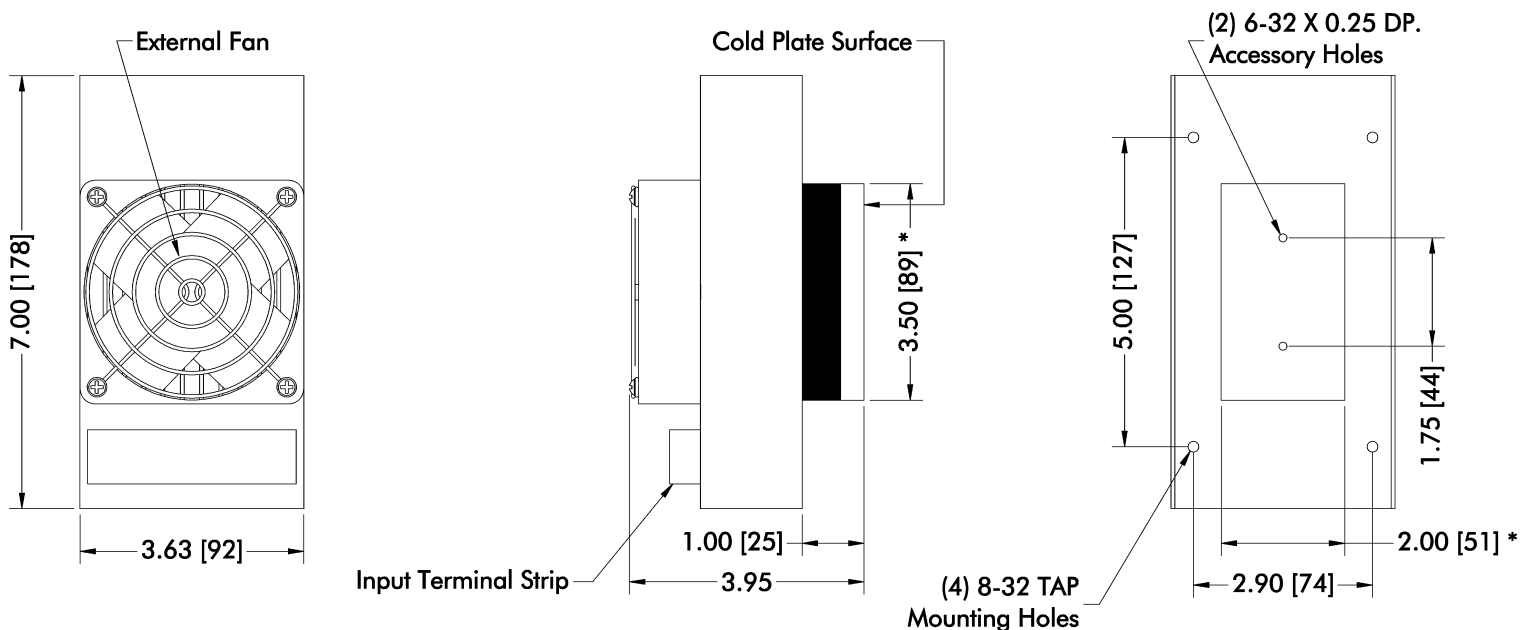
40 Watts @ 0 °C ΔT

**PERFORMANCE CURVE**

| Equation of Line: $y = \Delta T(^{\circ}\text{C})$ $x = \text{Capacity (Watts)}$ |                   |                   |
|----------------------------------------------------------------------------------|-------------------|-------------------|
| Ambient Temp                                                                     | 25°C              | 50°C              |
| Cold Plate                                                                       | $y = 1.1x - 44.5$ | $y = 1.1x - 51.5$ |



Air Flow Pattern

**DIMENSIONS**

\* Dimension does not include sealant.  
 Dimensions: Inches [Millimeters]