# AHP-2250 Air Conditioner/Heat Exchanger

**Air Cooled Through Mounted**

- Nema-12, 4, 4X
- 120 VAC Input
- High Efficiency
- 1400 BTU/HR

## FEATURES
- High capacity thermoelectric design
- Power saving air to air heat exchanger mode (ECO-Mode)
- Heavy duty full perimeter mounting
- Lower profile intrusion into enclosure
- Central input cord for easy mounting
- Closed loop design
- Condensate control and evaporation system
- Compact
- Increased efficiency at higher ambients by as much as 10%
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Weight: 60 LBS.

## CONFIGURATIONS

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<thead>
<tr>
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* Unit is set for 5-32 VDC external signal, relay(s) included

## FEATURES

- **CONTROL TEMPERATURES**
  - Active Cooling: 35 °C
  - Heat Exchanger (ECO-Mode): 25 °C
  - Active Heating: 10 °C
  - Typical Hysteresis: 5 °C
  - Operating Ambient: -40/65 °C
  - Operating Enclosure: -10/60 °C

- **POWER INPUTS**
  - Voltage: 120 VAC
  - Current, Active: 3.6 AMPS
  - Current, ECO-Mode: 1 AMP
  - Frequency: 50/60 Hz

- **PERFORMANCE RATINGS**
  - Cooling (Traditional): 1400 BTU/HR
  - Cooling (Din 3168): 410 WATTS
  - Cooling COP (at L35 L35): 0.95
  - Heating (Traditional): > 1640 BTU/HR
  - Heating (Din 3168): > 480 WATTS
  - Heating COP: > 1.0
  - Heat Exchanger (ECO-Mode): 12.5 W/°C

- **INCLUDES**
  - Power supply
  - Temperature controller
  - Power saving heat exchanger mode (ECO-Mode)
  - Mounting gasket
  - Mounting hardware
  - Power input cord
  - Circuit breaker

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

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<tr>
<th>Ambient Temp</th>
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<th>50°C</th>
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<td>Enclosure Air</td>
<td>( y = 0.063x - 25.7 )</td>
<td>( y = 0.063x - 26.5 )</td>
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<tr>
<td>Cold Sink</td>
<td>( y = 0.047x - 25.7 )</td>
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**DIMENSIONS**

Air Conditioner - Air Cooled

**AHP-2250**

- **MOUNTING STYLE**
  - Through Mounted

- **ENVIRONMENTS SERVED**
  - NEMA-12 IP 52
  - NEMA-4,4X IP 56

- **RATING (TRADITIONAL)**
  - 1400 BTU/hr @ 0 °F \( \Delta T \)
  - 1990 BTU/hr @ +20 °F \( \Delta T \)

- **RATING (DIN 3168)**
  - 410 Watts L35 L35
  - 180 Watts L35 L50

**PERFORMANCE CURVE**

- **PERFORMANCE CURVE**

- **DIMENSIONS**

  - External Hot Side Fans
  - Mounting Surface
  - Internal Cold Side Fans
  - (14) 10-32 Studs
  - Circuit Breaker

  Dimensions do not include hardware
  Mounting hardware and gasket included but not shown
  Dimensions: Inches [Millimeters]