AHP-2259 Air Conditioner/Heat Exchanger

100 - 240 VAC Input
High Efficiency
1330 BTU/HR

FEATURES
- High efficiency 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 55 LBS.

CONTROL TEMPERATURES

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>TEMPERATURE ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP-2259</td>
<td>0-H4JB-0-000</td>
<td>Cool only, industrial fans</td>
<td>TC-4F</td>
</tr>
<tr>
<td>AHP-2259</td>
<td>0-H45B-0-000</td>
<td>Cool only, industrial fans</td>
<td>EXT*</td>
</tr>
<tr>
<td>AHP-2259HC</td>
<td>0-H4IB-1-000</td>
<td>Heat/Cool, industrial fans</td>
<td>TC-7F</td>
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<tr>
<td>AHP-2259HC</td>
<td>0-H45B-1-000</td>
<td>Heat/Cool, industrial fans</td>
<td>EXT*</td>
</tr>
<tr>
<td>AHP-2259XE</td>
<td>0-H4JB-4-000</td>
<td>Cool only, sealed hot side fans</td>
<td>TC-4F</td>
</tr>
<tr>
<td>AHP-2259XE</td>
<td>0-H45B-4-000</td>
<td>Cool only, sealed hot side fans</td>
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<tr>
<td>AHP-2259XEHC</td>
<td>0-H45B-5-000</td>
<td>Heat/Cool, sealed hot side fans</td>
<td>EXT*</td>
</tr>
<tr>
<td>AHP-2259XEHC†</td>
<td>0-H4LB-5-000</td>
<td>Heat/Cool, sealed hot side fans</td>
<td>TC-5300D</td>
</tr>
<tr>
<td>AHP-2259HC†</td>
<td>0-H4LB-1-000</td>
<td>Heat/Cool, industrial fans</td>
<td>TC-5300D</td>
</tr>
</tbody>
</table>

† Precise temperature control model
* Unit is set for 5-32 VDC external signal, relay(s) included

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

POWER INPUTS

- Input Voltage: 100 - 240 VAC
- Current, Active: 4.5 - 1.8 AMPS
- Alternate Input Voltage: 127 - 374 VDC
- Input Voltage: 127 - 374 VDC
- Frequency: 47 - 63 / 440 Hz
- Power Consumption: 320 Watts

PERFORMANCE RATINGS

- Cooling (Traditional): 1330 BTU/HR
- Cooling (Din 3168): 390 WATTS
- Cooling COP (at L35 L35): 0.87
- Heating (Traditional): > 980 BTU/HR
- Heating (Din 3168): > 290 WATTS
- Heating COP: > 1.0
- Heat Exchanger (ECO-Mode): 12.5 W/°C

200 - 277 VAC (254 - 420 VDC) Versions available

TECA 1-888-TECA-USA (832-2872) www.thermoelectric.com
Equation of line: $y = \Delta T (°C)$  $x =$ Capacity (Watts)

<table>
<thead>
<tr>
<th>Ambient Temperature</th>
<th>35°C</th>
<th>50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>$y = 0.62x - 24.2$</td>
<td>$y = 0.62x - 25.6$</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>$y = 0.46x - 24.2$</td>
<td>$y = 0.46x - 25.6$</td>
</tr>
</tbody>
</table>

Air Conditioner - Air Cooled

**AHP-2259**

** Mounting Style**
Through Mounted

** Environments Served**
- NEMA-12  IP 52
- NEMA-4  IP 56

** Rating (Traditional)**
- 1330 BTU/hr @ 0 °F $\Delta T$

** Rating (DIN 3168)**
- 390 Watts  L35 L35
- 170 Watts  L35 L50

** Performance Curve**

** Dimensions**

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