## AHP-570 Air Conditioner/Heat Exchanger

**Air Cooled**
- Through Mounted
- Nema-12, 4, 4X

**24 VDC**
- High Efficiency
- 305 BTU/HR

### FEATURES
- Compact (only 10” X 5.84” X 7.75”)
- Mounts and operates in any orientation: horizontal, vertical, etc.
- Low vibration and noise
- No moving parts except fans
- Environmentally safe
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing
- Efficient heat exchanger mode (ECO-Mode)
- Easy to use Pivot Clean feature
- Weight 14 LBS.

### CONTROL TEMPERATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Active Cooling</th>
<th>Heat Exchanger (ECO-Mode)</th>
<th>Active Heating</th>
<th>Typical Hysteresis</th>
<th>Operating Ambient</th>
<th>Operating Enclosure</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temperature</strong></td>
<td>35 °C</td>
<td>25 °C</td>
<td>10 °C</td>
<td>5 °C</td>
<td>-40/-+70 °C</td>
<td>-10/-+60 °C</td>
</tr>
</tbody>
</table>

### POWER INPUTS

- **Voltage**: 24 VDC
- **Current, Active**: 3.0 AMPs
- **Current, ECO-Mode**: 0.3 AMPs

### PERFORMANCE RATINGS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Traditional</th>
<th>Din 3168</th>
<th>DIN 3168</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cooling</strong></td>
<td>303 BTU/HR</td>
<td>90 WATTS</td>
<td>&gt; 245 BTU/HR</td>
</tr>
<tr>
<td><strong>Heating</strong></td>
<td>&gt; 245 BTU/HR</td>
<td>&gt; 72 WATTS</td>
<td>&gt; 1.0</td>
</tr>
<tr>
<td><strong>COP</strong></td>
<td>1.25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### 12 VDC configuration available

### CONFIGURATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>TEMPERATURE CONTROL</th>
<th>ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP-570</td>
<td>0-G0J5-0-000</td>
<td>Cool only, industrial fans</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-570HC</td>
<td>0-G095-1-000</td>
<td>Heat/Cool, industrial fans</td>
<td>None*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-570HC</td>
<td>0-G015-1-000</td>
<td>Heat/Cool, industrial fans</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-570XE</td>
<td>0-G0J5-4-000</td>
<td>Cool only, sealed hot side fan</td>
<td>TC-4F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-570XEHC</td>
<td>0-G095-5-000</td>
<td>Heat/Cool, sealed hot side fan</td>
<td>None*</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-570XEHC</td>
<td>0-G015-5-000</td>
<td>Heat/Cool, sealed hot side fan</td>
<td>TC-7F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-570X</td>
<td>0-G0J5-2-000</td>
<td>Cool only, Mil. grade fans</td>
<td>TC-4F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-570XHC</td>
<td>0-G095-3-000</td>
<td>Heat/Cool, Mil. grade fans</td>
<td>None*</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-570XHC</td>
<td>0-G015-3-000</td>
<td>Heat/Cool, Mil. grade fans</td>
<td>TC-7F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-570XM</td>
<td>0-G0J5-2-010</td>
<td>Cool only, Mil. grade fans</td>
<td>TC-4F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-570XMHC</td>
<td>0-G095-3-010</td>
<td>Heat/Cool, Mil. grade fans</td>
<td>None*</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-570XMHC</td>
<td>0-G015-3-010</td>
<td>Heat/Cool, Mil. grade fans</td>
<td>TC-7F</td>
<td>NEMA-4, IP 56</td>
</tr>
</tbody>
</table>

*For controller options contact TECA; Heating function via reverse polarity (controller dependent)*

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**PERFORMANCE CURVE**

Equation of Line:

\[ y = \frac{\Delta T}{H} + b \]

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>y = \Delta T</th>
<th>x = Capacity (Watts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20°C</td>
<td>y = 0.29x - 25.8</td>
<td></td>
</tr>
<tr>
<td>60°C</td>
<td>y = 0.29x - 27</td>
<td></td>
</tr>
</tbody>
</table>

**AHP-570**

- **Mounting Style**: Through Mounted

**Environments Served**

- NEMA-12, IP 52
- NEMA-4,4X, IP 56

**Rating (Traditional)**

- AHP-570: 305 BTU/hr @ 0 °F $\Delta T$
- 432 BTU/hr @ +20 °F $\Delta T$

**Rating (DIN 3168)**

- AHP-570: 90 Watts L35 L35
- 40 Watts L35 L50

**Dimensions**

- External Hot Side Fan: 10.00 [254]*
- Mounting Surface: 5.84 [148]*
- Internal Cold Side Fan: 4.07 [103]
- (4) 6-32 Mounting Taps: 3.68 [93]
- (4) 10-32 Mounting Taps: 4.91 [125]

- Mounting Cutout Dimensions

- 4X0.156 [4] : 1.50 [38] 1.50 [38]
- 4X0.218 [6] : 2.25 [57] 2.25 [57]
- 4X0.218 [6] : 2.66 [67] 2.66 [67]

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

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