# AHP-1800 Air Conditioner

**Air Cooled**  
**Through Mounted**  
**NEMA-12, 4, 4X**  
**High Efficiency**  
**1100 BTU/HR**

## FEATURES
- High capacity thermoelectric design
- Lower profile intrusion into enclosure
- Closed loop design
- Condensate control and evaporation system
- Compact
- Increased efficiency at higher ambient by as much as 12%
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Operating ambient temperature range -40/+65 °C
- Operating enclosure temperature range -10/+60 °C
- Easy to use Pivot Clean feature
- Weight 55 LBS.

## 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-1800</td>
<td>0-0195-0-000</td>
<td>Cool only</td>
<td>None</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-0185-0-000</td>
<td>Cool only</td>
<td>TC-6F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-01F5-0-000</td>
<td>Cool only</td>
<td>TC-1F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-0155-0-000</td>
<td>Cool only</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-01H5-0-000</td>
<td>Heat/Cool</td>
<td>TC-3F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-01I5-0-000</td>
<td>Heat/Cool</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-0155-0-000</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-01H5-0-000</td>
<td>Heat/Cool</td>
<td>TC-4600</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-0195-2-000</td>
<td>Cool only</td>
<td>None</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-0185-2-000</td>
<td>Cool only</td>
<td>TC-6F</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-01F5-2-000</td>
<td>Cool only</td>
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<td>NEMA-4X, IP 56</td>
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<td>0-0155-2-000</td>
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<tr>
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<td>0-01H5-2-000</td>
<td>Heat/Cool</td>
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<td>Heat/Cool</td>
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<td>NEMA-4X, IP 56</td>
</tr>
<tr>
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<td>0-0155-2-000</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-01H5-3-000</td>
<td>Heat/Cool</td>
<td>TC-4600</td>
<td>NEMA-4X, IP 56</td>
</tr>
</tbody>
</table>

* Unit is set for 5-32 VC external signal, relay(s) included

## POWER INPUTS
- Voltage: 24 VDC
- Current, Active: 18 AMPS
- Current, ECO-Mode: 1.9 AMPS

## PERFORMANCE RATINGS
- Cooling (Traditional): 1100 BTU/HR
- Cooling (Din 3168): 322 WATTS
- Cooling COP (at L35 L35): 0.74
- Heating (Traditional): > 1473 BTU/HR
- Heating (Din 3168): > 432 WATTS
- Heating COP: > 1.0

## INCLUDES
- Temperature controller
- Mounting gasket
- Mounting hardware
- Power input leads

## CONTROL TEMPERATURES

<table>
<thead>
<tr>
<th>Temp. Control</th>
<th>Active Heat °C</th>
<th>ECO-Mode °C</th>
<th>Active Cool °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC-1F</td>
<td>-</td>
<td>35</td>
<td>-</td>
</tr>
<tr>
<td>TC-6F</td>
<td>-</td>
<td>25 or 35</td>
<td>-</td>
</tr>
<tr>
<td>TC-3F</td>
<td>10</td>
<td>-</td>
<td>35</td>
</tr>
<tr>
<td>TC-7F</td>
<td>10</td>
<td>25</td>
<td>35</td>
</tr>
</tbody>
</table>

## ENERGY EFFICIENCY
- Cooling COP (at L35 L35): 0.74
- Heating COP: > 1.0

## VOLTAGE OPTIONS
- 250 VDC configuration for crane applications available

## ENVIRONMENTAL COMMERCIAL MODELS
- 325 VDC configuration for crane applications available
- Consult factory for full shock and vibration models

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**TECA**  
1-888-TECA-USA (832-2872)  
www.teca-usa.com
**AHP-1800**

**MOUNTING STYLE**
Through Mounted

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

**RATING (TRADITIONAL)**
- 1100 BTU/hr @ 0 °F \( \Delta T \)
- 1420 BTU/hr @ +20 °F \( \Delta T \)

**RATING (DIN 3168)**
- 322 Watts L35 L35
- 210 Watts L35 L50

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**DIMENSIONS**

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

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**PERFORMANCE CURVE**

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>20°C</th>
<th>40°C</th>
<th>60°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>( y = 0.129x - 38.1 )</td>
<td>( y = 0.129x - 40.1 )</td>
<td>( y = 0.129x - 42.0 )</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>( y = 0.09x - 38.1 )</td>
<td>( y = 0.09x - 40.1 )</td>
<td>( y = 0.09x - 42.0 )</td>
</tr>
</tbody>
</table>

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Air Conditioner - Air Cooled

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