AHP-1800 Air Conditioner

48 VDC Input
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 ambients 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/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Easy to use Pivot Clean feature
- Weight 55 LBS.
- Agency approvals: UL 1995, CSA 22.2, CE

POWER INPUTS
Voltage 48 VDC
Current, Active 9 AMPS
Current, ECO-Mode 1 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

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>0-0196-0-000</td>
<td>Cool only</td>
<td>None</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-0186-0-000</td>
<td>Cool only</td>
<td>TC-6F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-01F6-0-000</td>
<td>Cool only</td>
<td>TC-1F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800</td>
<td>0-0156-0-000</td>
<td>Cool only</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800HC</td>
<td>0-0136-1-000</td>
<td>Heat/Cool</td>
<td>TC-3F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800HC</td>
<td>0-01I6-1-000</td>
<td>Heat/Cool</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800HC</td>
<td>0-0156-1-000</td>
<td>Heat/Cool</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-1800X</td>
<td>0-0196-4-000</td>
<td>Cool only</td>
<td>None</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1800X</td>
<td>0-0186-4-000</td>
<td>Cool only</td>
<td>TC-6F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1800X</td>
<td>0-01F6-4-000</td>
<td>Cool only</td>
<td>TC-1F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>AHP-1800X</td>
<td>0-0156-4-000</td>
<td>Cool only</td>
<td>EXT*</td>
<td>NEMA-4, IP 56</td>
</tr>
</tbody>
</table>

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

250 VDC configuration for crane applications available

Consult factory for full shock and vibration models
Equation of line: $y = AT(°C)$ x=Capacity (Watts)

<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>$y=.129x-38.1$</td>
<td>$y=.129x-40.1$</td>
<td>$y=.129x-42.0$</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>$y=.09x-38.1$</td>
<td>$y=.09x-40.1$</td>
<td>$y=.09x-42.0$</td>
</tr>
</tbody>
</table>

DIMENSIONS

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

MOUNTING CUTOUT DIMENSIONS

Air Flow Pattern