AHP-470
Air Conditioner/Heat Exchanger

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

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
Active Cooling 35 °C
Heat Exchanger (ECO-Mode) 25 °C
Active Heating 10 °C
Typical Hysteresis 5 °C
Operating Ambient -40/+70 °C
Operating Enclosure -10/+60 °C

POWER INPUTS
Voltage 24 VDC
Current, Active 7.0 AMPS
Current, ECO-Mode 0.3 AMPS

PERFORMANCE RATINGS
Cooling (Traditional) 315 BTU/HR
Cooling (Din 3168) 95 WATTS
Cooling COP (at L35 L35) 0.56
Heating (Traditional) > 572 BTU/HR
Heating (Din 3168) > 168 WATTS
Heating COP > 1.0

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

CONSIGNMENTS
MODEL PART NUMBER NOTES TEMPERATURE CONTROL ENVIRONMENT
AHP-470 0-F0J5-0-001 Cool only, industrial fans TC-4F NEMA-12, IP 52
AHP-470HC 0-F095-1-001 Heat/Cool, industrial fans None* NEMA-12, IP 52
AHP-470HC 0-F015-1-001 Heat/Cool, industrial fans TC-7F NEMA-12, IP 52
AHP-470XE 0-F0J5-4-001 Cool only, sealed hot side fan TC-4F NEMA-4/4X, IP 56
AHP-470XEHC 0-F095-5-001 Heat/Cool, sealed hot side fan None* NEMA-4/4X, IP 56
AHP-470XEHC 0-F015-5-001 Heat/Cool, sealed hot side fan TC-7F NEMA-4/4X, IP 56
AHP-470X 0-F0J5-2-001 Cool only, Mil. grade hot side fan TC-4F NEMA-4X/Harsh Env. IP 56
AHP-470XHC 0-F095-3-001 Heat/Cool, Mil. grade hot side fan None* NEMA-4X/ Harsh Env. IP 56
AHP-470XHC 0-F015-3-001 Heat/Cool, Mil. grade hot side fan TC-7F NEMA-4X/ Harsh Env. IP 56
AHP-470XM 0-F0J5-2-011 Cool only, Mil. grade fans TC-4F NEMA-4X/ Harsh Env. IP 56
AHP-470XMHC 0-F095-3-011 Heat/Cool, Mil. grade fans None* NEMA-4X/ Harsh Env. IP 56
AHP-470XMHC 0-F015-3-011 Heat/Cool, Mil. grade fans TC-7F NEMA-4X/ Harsh Env. IP 56

* For controller options contact TECA, Heating function via reverse polarity (controller dependent)
PERFORMANCE CURVE

Equation of Line: \( y = \frac{H}{9004} T \)°C  \( x = \) Capacity (Watts)

Ambient Temp 20°C  60°C

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<th>Ambient Temp 20°C</th>
<th>Ambient Temp 60°C</th>
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<tr>
<td>AHP-470</td>
<td>0.42x - 38.9</td>
<td>0.42x - 41.5</td>
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DIMENSIONS

External Hot Side Fan

Mounting Surface

Internal Cold Side Fan

Mounting Cutout Dimensions

4x0.156 [Ø4]

1.50 [38]

1.50 [38]

4x0.218 [Ø6]

2.50 [64]

2.50 [64]

2.66 [67]

2.66 [67]