FHP-3250

Air Conditioner/Heat Exchanger

Air Cooled
Flush Mounted
Nema-12, 4, 4X
120 VAC Input
High Efficiency
1978 BTU/HR

FEATURES
- High capacity thermoelectric design
- Power saving air to air heat exchanger mode (ECO-Mode)
- Heavy duty full perimeter mounting
- No intrusion into enclosure
- Central input card for easy mounting
- Closed loop design
- Condensate control and evaporation system
- Increased efficiency at higher ambients
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Weight 93 LBS.

CONTROL TEMPERATURES
- Active Cooling: 35 °C
- Heat Exchanger (ECO-Mode): 25 °C
- Active Heating: 10 °C
- Typical Hysteresis: 5 °C
- Operating Ambient: -40/+65 °C
- Operating Enclosure: -10/+60 °C

POWER INPUTS
- Voltage: 120 VAC
- Current, Active: 7.0 AMP
- Current, ECO-Mode: 1.4 AMP
- Frequency: 50/60 Hz

PERFORMANCE RATINGS
- Cooling (Traditional): 1978 BTU/HR
- Cooling (Din 3168): 580 WATTs
- Cooling COP (at L35 L35): 0.70
- Heating (Traditional): > 2780 BTU/HR
- Heating (Din 3168): > 815 WATTs
- Heating COP: > 1.0
- Heat Exchanger (ECO-Mode): 18 W/°C

CONNECTIONS
- 250 VDC configuration for crane applications available

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

INTEGRAL TEMPERATURE CONTROLLERS
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ENVIRONMENTAL RATING
- Temperature Control: TC-4F
- Environment: NEMA-12, IP 52

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

TECA 1-888-TECA-USA (832-2872) www.thermoelectric.com
**PERFORMANCE CURVE**

Equation of line: \( y = \Delta T \) (°C)  \( x = \text{Capacity (Watts)} \)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>35°C</th>
<th>50°C</th>
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</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>( y = 0.047x - 27.2 )</td>
<td>( y = 0.047x - 28.1 )</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>( y = 0.035x - 27.2 )</td>
<td>( y = 0.035x - 28.1 )</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

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

Input Cord: 9.10 [231]
Circuit Breakers: 6.00 [152]
Mounting Cutout: 17.20X18.90 [437X480]