IHP-3259 Air Conditioner/Heat Exchanger

Air Cooled
Internal Mounted
Nema-12, 4

100 - 240 VAC Universal Input
High Efficiency
1270 BTU/HR

FEATURES
• Unobtrusive mounting style for OEM installation
• Power saving air to air heat exchanger mode (ECO-Mode)
• Temperature driven fan speed for quieter operations
• Heavy duty full perimeter mounting
• Easy installation from exterior of the enclosure
• Closed loop design
• Condensate control and evaporation system
• Increased efficiency at higher ambients by as much as 10%
• Virtually maintenance free
• No compressor
• Environmentally friendly and safe
• Stainless Steel exterior housing (custom paint finishes available)
• Mounts flush with no protrusion outside of the enclosure
• Integral or remote 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
Input Voltage 100 - 240 VAC
Current, Active 11 - 4.6 AMPS
Alternate Input voltage 127 - 374 VDC
Current, ECO-Mode (120 VAC) 1.5 AMP
Frequency 47 - 63 / 440 Hz
Nominal Power Consumption 500 Watts

PERFORMANCE RATINGS
Cooling (Traditional) 1270 BTU/HR
Cooling (Din 3168) 373 WATTS
Cooling COP (at L35 L35) 0.34
Heat (Traditional) > 1270 BTU/HR
Heat (Din 3168) > 373 WATTS
Heat COP > 1.0
Heat Exchanger (ECO-Mode) 15 W/°C

CONFIGURATIONS
<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>TEMPERATURE</th>
<th>ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHP-3259</td>
<td>B-15JB-0-100</td>
<td>Cool only, industrial fans</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
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<tr>
<td>IHP-3259</td>
<td>B-15SB-0-100</td>
<td>Cool only, industrial fans</td>
<td>EXT*</td>
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<td>IHP-3259HC</td>
<td>B-15IB-1-100</td>
<td>Heat/Cool, industrial fans</td>
<td>TC-7F</td>
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<td>IHP-3259XE</td>
<td>B-15JB-4-100</td>
<td>Cool only, sealed hot side fans</td>
<td>TC-4F</td>
<td>NEMA-4, IP 56</td>
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<td>IHP-3259XEHC†</td>
<td>B-15LB-5-100</td>
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<td>TC-5300D</td>
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<td>IHP-3259HC†</td>
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<td>Heat/Cool, industrial fans</td>
<td>TC-5300D</td>
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</tr>
</tbody>
</table>

† Precise temperature control model
* Unit is set for 5-32 VDC external signal, relay(s) included

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

200 - 277 VAC (254 - 420 VDC) Versions available
Equation of line: \( y=\Delta T(\degree C) \) \( x=\) Capacity (Watts)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>35°C</th>
<th>50°C</th>
</tr>
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<tr>
<td>Enclosure Air</td>
<td>( y=0.054x-20.2 )</td>
<td>( y=0.054x-22.1 )</td>
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<tr>
<td>Cold Sink</td>
<td>( y=0.038x-20.2 )</td>
<td>( y=0.038x-22.1 )</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

Dimensions do not include hardware
Mounting hardware and gasket included but not shown
Dimensions: inches \([\text{millimeters}]\)