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
- Heating (Traditional): > 1270 BTU/HR
- Heating (Din 3168): > 373 WATTS
- Heating 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 CONTROL</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>
<td>NEMA-12, IP 52</td>
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<tr>
<td>IHP-3259HC</td>
<td>B-15JB-1-100</td>
<td>Heat/Cool, industrial fans</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
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<td>Heat/Cool, industrial fans</td>
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<tr>
<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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<tr>
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<td>B-15SB-4-100</td>
<td>Cool only, sealed hot side fans</td>
<td>EXT*</td>
<td>NEMA-4, IP 56</td>
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<td>IHP-3259XEHC</td>
<td>B-15JB-5-100</td>
<td>Heat/Cool, sealed hot side fans</td>
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<tr>
<td>IHP-3259XEHC†</td>
<td>B-15LB-5-100</td>
<td>Heat/Cool, sealed hot side fans</td>
<td>TC-5300D</td>
<td>NEMA-4, IP 56</td>
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</tbody>
</table>

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

TECA 1-888-TECA-USA (832-2872) www.thermoelectric.com
**IHP-3259**

**MOUNTING STYLE**
Internal Mounted

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

**RATING (TRADITIONAL)**
- 1270 BTU/hr @ 0°F ΔT

**RATING (DIN 3168)**
- 373 Watts L35 L35
- 132 Watts L35 L50

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**PERFORMANCE CURVE**

Equation of line: $y = \Delta T (°C) = kx$ for Capacity (Watts)

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

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

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Air Flow Pattern