Thermal Edge Inc.
TEMPERATURE CONTROL SOLUTIONS FOR ELECTRICAL ENCLOSURES

Hazardous Location Enclosure Air Conditioners

Get the Edge... Get Thermal Edge
MADE IN THE USA

5-YEAR WARRANTY
**CS Series**
Hazardous Location Air Conditioners
Class I, Division 2, Groups A, B, C, and D

- Smallest 2000 BTUH available
- Active Condensate Evaporation is standard
- Fits on a 10” Enclosure
- Available in UL Types 12, 4, and 4X
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V

**NE Series**
Hazardous Location Air Conditioners
Class I, Division 2, Groups A, B, C, and D

- Active Condensate Evaporation is standard
- Fits on a 12” Enclosure
- Available in UL Types 12, 4, and 4X
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 460V

<table>
<thead>
<tr>
<th>BTUH</th>
<th>2000 BTUH</th>
<th>3000 BTUH</th>
<th>4000 BTUH</th>
<th>5000 BTUH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2000 BTUH</td>
<td>3000 BTUH</td>
<td>4000 BTUH</td>
<td>5000 BTUH</td>
</tr>
</tbody>
</table>

**HC Series**
Hazardous Location Air Conditioners
Class I, Division 2, Groups A, B, C, and D

- Active Condensate Evaporation is standard
- Available in UL Types 12, 4, and 4X
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 460V

**TM Series**
Hazardous Location Air Conditioners
Class I, Division 2, Groups A, B, C, and D

- Top Mounted Enclosure Air Conditioners
- Active Condensate Evaporation is standard
- Available in UL Types 12, 4, and 4X
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 460V

<table>
<thead>
<tr>
<th>BTUH</th>
<th>10,000 BTUH</th>
<th>12,000 BTUH</th>
<th>15,000 BTUH</th>
<th>20,000 BTUH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10,000 BTUH</td>
<td>12,000 BTUH</td>
<td>15,000 BTUH</td>
<td>20,000 BTUH</td>
</tr>
<tr>
<td></td>
<td>6000 BTUH</td>
<td>8000 BTUH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
What makes an Air Conditioner a Thermal Edge Air Conditioner?

There are three critical features that make a Thermal Edge Enclosure Air Conditioner different from any other line of air conditioners. Standard on Every Unit:

**Drip-Free Condensate Removal Is Not Optional**

Water is the by-product of every air conditioner. At Thermal Edge we understand that a puddle next to your sensitive electronic enclosure may be a problem. We eliminate this messy problem by changing the troublesome water back into a vapor and venting it out of your way. That means no puddles, stains or mess near your electrical enclosure, control system or OSP cabinet. In addition, our condensate evaporation system precools the refrigerant which lowers the running amps and thus lowers your energy usage.

**Condensate Evaporation Is Standard On Every Air Conditioner**

With Thermal Edge Units...NO DRAIN TUBE IS NEEDED

**Thermal Expansion Valve Controls The Flow**

Thermal Expansion Valves balance and modulate the refrigerant flow to the heat load by sensing the temperature of the refrigerant leaving the evaporator.

**With Thermal Edge, You Have A Smarter Enclosure Air Conditioner**

**Digital, programmable controller:**
- Fully programmable
- Built in alarms and alerts
- Will operate heating & cooling
- Standard on every air conditioner
- Ethernet, Modbus RTU and Ethernet/ IP communication options
- Remote controller option places controller inside cabinet.

Thermal Edge Hazardous Location air conditioners are in conformance with all requirements of ANSI/NFPA 70, NEC and CAN/CSA-C22.1, Part I for Class I, Division 2, Groups A, B, C, and D

**SYSTEM FEATURES:**
- For purged and non-purged enclosures
- Active, energy efficient, Condensate Evaporation System
- Fully programmable digital controller with built in alarms and alerts
  - Remote controller option places controller inside enclosure
- Thermal Expansion Valve for maximum efficiency when temperature or heat load changes
- Hermetically sealed compressor thermal overload protector
- Models range from 2000 to 20,000 BTUH
- Available in UL types 12, 4 and 4X
- Top Mount and Side Mount

Critical components in the NRTL Hazardous Location Listing Report must not be substituted with alternate components. Thermal Edge, Inc. and MET Labs must be notified before changes to any drawings, samples, or required documentation will be approved.

(972) 580-0200
www.thermal-edge.com • thermalinfo@thermal-edge.com
Hazardous Location Enclosure Air Conditioning Systems

<table>
<thead>
<tr>
<th>Model</th>
<th>BTU/ Hour</th>
<th>Voltage/ Phase/ Hz.</th>
<th>Max. Ambient Temp.</th>
<th>Temp. Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS020126</td>
<td>2000</td>
<td>115/1/60</td>
<td>118°F</td>
<td>T6</td>
</tr>
<tr>
<td>CS020236</td>
<td>2000</td>
<td>230/1/60</td>
<td>118°F</td>
<td>T6</td>
</tr>
<tr>
<td>NE020126</td>
<td>2000</td>
<td>115/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE020236</td>
<td>2000</td>
<td>230/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE020486</td>
<td>2000</td>
<td>460/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE030126</td>
<td>3000</td>
<td>115/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE030236</td>
<td>3000</td>
<td>230/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE030486</td>
<td>3000</td>
<td>460/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE040126</td>
<td>4000</td>
<td>115/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE040236</td>
<td>4000</td>
<td>230/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE040486</td>
<td>4000</td>
<td>460/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE050126</td>
<td>5000</td>
<td>115/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE050236</td>
<td>5000</td>
<td>230/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE050486</td>
<td>5000</td>
<td>460/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE060126</td>
<td>6000</td>
<td>115/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE060236</td>
<td>6000</td>
<td>230/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>NE060486</td>
<td>6000</td>
<td>460/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>TM061126</td>
<td>6000</td>
<td>115/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>TM061236</td>
<td>6000</td>
<td>230/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
<tr>
<td>TM061486</td>
<td>6000</td>
<td>460/1/60</td>
<td>122°F</td>
<td>T4</td>
</tr>
</tbody>
</table>

Also Available

Air to Air Heat Exchangers

- High efficiency heat pipe design
- 3 different chassis sizes
- Standard units include on/off switch
- UL Type 12, 4 & 4X
- 115VAC, 230VAC, 24VDC & 48VDC
- Needs no filter
- UL Listed for ordinary & hazardous location

Thermal Edge Inc. was conceived to provide the best quality and most feature rich products in the industry, and we stand behind that goal by offering our customers the best product, value, and warranty in the market.

To learn more about Thermal Edge 5-Year warranty please visit: www.thermal-edge.com/5year

NO WATER DRIPS FROM THERMAL EDGE ENCLOSURE AIR CONDITIONERS

All information subject to change without notice