



Thermal Edge Inc.

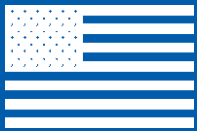
TEMPERATURE CONTROL SOLUTIONS FOR ELECTRICAL ENCLOSURES



Telecommunications Solutions

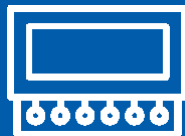
Efficient and economical cooling for extreme conditions

In the telecommunications industry, higher densities resulting from larger bandwidths and power demands make traditional enclosure cooling methods ineffective. Increased heat dissipation from the electrical equipment in addition to solar heat require state-of-the-art methods for cost efficient cooling of outdoor telecom electrical enclosures.



Manufactured in the United States

Thermal Edge enclosure air conditioners and heat exchangers are proudly made in Irving, Texas, U.S.A.



Programmable Digital Controller

Programmable set point and temperature controls, visible error and/or alarm messaging, and system protection.



Energy Efficient Operation

Thermal Edge enclosure air conditioners offer a condensation management system which lowers running amps.

5 YEARS

Industry Leading 5-Year Warranty

Thermal Edge products are warranted to be free of defects in workmanship, materials and components



Thermal Edge Inc.™

CS Series Air Conditioners



- UL Type 4 and 4X
- Aluminum Shrouds (Bare & Painted)
- T316 Stainless Steel Shrouds for coastal applications
- Enhanced Corrosion Resistant options for coastal applications
- Low Ambient options for cool-cold weather operation
- Integrated Enclosure Heaters for cold weather operation
- Louvered Condenser Intake Covers
- High Performance Stainless Steel Filter option
- Remote Controller option
- Fits on a 7" or 10" Deep Enclosure
- Smallest 2000 BTUH available
- Fully programmable digital controller
- Active Condensate Evaporation is standard
- 115V, 230V

1000 BTUH
2000 BTUH



NE Series Air Conditioners



- UL Type 4 and 4X
- Aluminum Shrouds (Bare & Painted)
- T316 Stainless Steel Shrouds for coastal applications
- Enhanced Corrosion Resistant options for coastal applications
- Low Ambient options for cool-cold weather operation
- Integrated Enclosure Heaters for cold weather operation
- Louvered Condenser Intake Covers
- High Performance Stainless Steel Filter option
- Remote Controller option
- Fits on a 12" Deep Enclosure
- Fully programmable digital controller
- Active Condensate Evaporation is standard
- 115V, 230V, 460V

1000 BTUH
1500 BTUH
2000 BTUH

3000 BTUH
4000 BTUH
5000 BTUH

6000 BTUH
8000 BTUH



HC Series Air Conditioners



- UL Type 4 and 4X
- Aluminum Shrouds (Bare & Painted)
- T316 Stainless Steel Shrouds for coastal applications
- Enhanced Corrosion Resistant options for coastal applications
- Low Ambient options for cool-cold weather operation
- Integrated Enclosure Heaters for cold weather operation
- Louvered Condenser Intake Covers
- High Performance Stainless Steel Filter option
- Remote Controller option
- Fully programmable digital controller
- Active Condensate Evaporation is standard
- 115V, 230V, 460V

10,000 BTUH
12,000 BTUH
15,000 BTUH
20,000 BTUH



TM Series Air Conditioners



6000 BTUH
8000 BTUH



- Top Mounted Enclosure Air Conditioners
- UL Type 4 and 4X
- Aluminum Shrouds (Bare & Painted)
- T316 Stainless Steel Shrouds for coastal applications
- Enhanced Corrosion Resistant options for coastal applications
- Low Ambient options for cool-cold weather operation
- Integrated Enclosure Heaters for cold weather operation
- Louvered Condenser Intake Covers
- High Performance Stainless Steel Filter option
- Remote Controller option
- Active Condensate Evaporation is standard
- Fully programmable digital controller
- 115V, 230V, 460V



1800 Hurd Drive
Irving, Texas 75038





Thermal Edge Inc.™

48VDC Air Conditioners



1000 BTUH
2000 BTUH
3000 BTUH
4000 BTUH



- UL Type 4 and 4X
- Aluminum Shrouds (Bare & Painted)
- T316 Stainless Steel Shrouds for coastal applications
- Enhanced Corrosion Resistant options for coastal applications
- Low Ambient options for cool-cold weather operation
- Integrated Enclosure Heaters for cold weather operation
- Louvered Condenser Intake Covers
- High Performance Stainless Steel Filter option
- Remote Controller option
- Active Condensate Evaporation is standard
- Fully programmable digital controller
- 48VDC

Air Conditioner Options

- Corrosion Protection Package
- Remote Controller
- Fully Integrated, Internal Heating Package
- Ambient Packages
- Dry Contact
- Hazardous Location
- Open Door Kill Switch
- Redundant Systems
- Remote Control & Monitor
- 2" Louvered Frame and 2" Filter
- Vibration Package
- Aluminum Housings
- Diagnostics



Air Conditioner Accessories

- Expanded Aluminum Replacement Filters
- 2" Louvered Frame & 2" Filter
 - Replacement 2" Filters
- Universal Mounting Plate
- Diagnostics



**Thermal Edge backs the quality of our
Temperature Control Solutions with a
5-YEAR WARRANTY**

Air to Air Heat Exchangers



12 - 40
Watts/°F



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

Plastic and Metal Filtered Fans



80 CFM - 750 CFM
UL Type 1, 12 and 3R

- Available in injection molded plastic, 16 gauge powder coated steel and 304 stainless steel
- Quiet & Efficient ball bearing fan
- Washable filters
- Includes a filtered exhaust panel
- 115VAC, 230VAC, 24VDC & 48VDC
- Comes assembled and includes template and gaskets



(972) 580-0200

www.thermal-edge.com • thermalinfo@thermal-edge.com

An Ideal Solution for Telecom Cabinet Thermal Management

Thermal Edge air conditioners and air-to-air heat exchangers provide telecom companies with a comprehensive range of closed-loop cooling options for remote OSP cabinets. Thermal Edge cooling units are manufactured to the highest standards and build on the company's extensive experience with electrical enclosure cooling solutions that have earned praise for their robust, no-nonsense design.

All Thermal Edge units are manufactured in the United States at the Thermal Edge facility in Irving, Texas, and backed up by a national technical sales network with representation in every state. Thermal Edge offers a free, easy-to-use Enclosure Temperature Control Calculator that simplifies the selection of the correctly sized cooling unit.

If you need help selecting the right temperature control solution for your application, talk to the professionals at Thermal Edge. Our experts will work with you from beginning to end to ensure that you have the most cost-effective solution for your application. We also work with engineers who design electrical enclosures to help determine the right temperature control solution early in the design process. Get in touch with us today to review case studies that are similar to your application, review product literature, or schedule a consultation.

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**

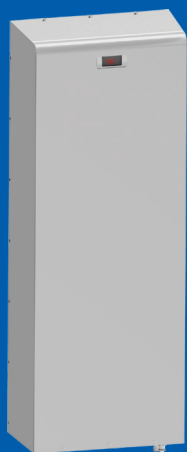


Enclosure Air Conditioners



1,000 - 20,000 BTUH

Air to Water Heat Exchangers



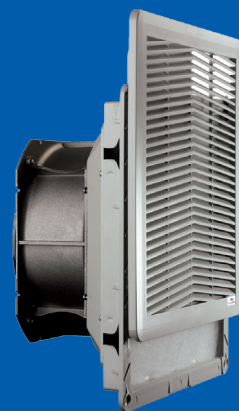
3,690 - 18,930 BTUH

Air to Air Heat Exchangers



12 - 40 Watts/°F

Plastic and Metal Filtered Fans



80 - 750 CFM



Thermal Edge air conditioners can be built to operate on the voltage and frequency available wherever you need them.

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