

50 HZ ENCLOSURE AIR CONDITIONERS

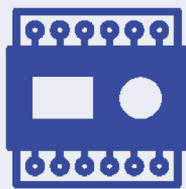
| EFFICIENT AND COST-EFFECTIVE COOLING FROM 1,000 TO 20,000 BTUH

Demanding environments call for equipment designed to handle them. Thermal Edge air conditioners are engineered for steel, food processing, petro-chemical, cement, paper and pulp, and plastics facilities. All units are UL Listed in Types 12, 4 and 4X, with hazardous location options available.



Condensate Evaporation Package

Drip-free condensate removal comes standard on every air conditioner. No drain tube is needed.



Programmable Digital Controller

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



Energy Efficient Operation

Thermal Expansion Valves balance the refrigerant flow to maximize efficiency over a wide temperature and load range.



Industry Leading 5-Year Warranty

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

What Makes 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

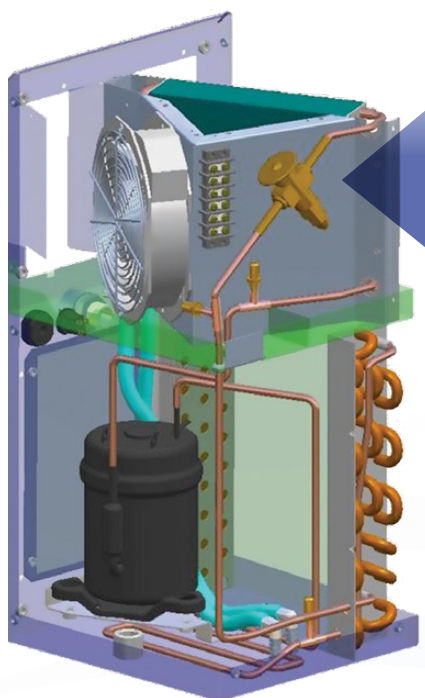
Condensate Evaporation Is Standard On Every Unit... NO DRAIN TUBE IS NEEDED

DIGITAL, PROGRAMMABLE CONTROLLER:

- Built in alarms and alerts
- Will operate heating & cooling
- Ethernet, Modbus RTU and EtherNet/IP communication options
- Remote controller option places controller inside cabinet

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.



**NO WATER DRIPS
FROM THERMAL EDGE
ENCLOSURE AIR
CONDITIONERS**



50 Hz Air Conditioner Product Line

Engineered & manufactured to endure the most difficult of environments and applications. Thermal Edge air conditioners will exceed environmental requirements in applications like Steel, Food Processing, Petro-Chemical, Cement, Paper & Pulp and Plastics.

Model	BTU/Hour	Voltage/ Phase/Hz	Running Amps	Max. Ambient Temp	Max. Integrated Heat (Watts)	H x W x D	Unit Weight
CS011105	1,000	100/1/50	2.7	125°F	350	17" x 7" x 7"	31
NE050237	5,000	230/1/50-60	4.0/3.1	131°F	1000	44.63" x 11.8" x 15.1"	170
NE050235	5,000	230/1/50	3.4	131°F	1000	36" x 11.8" x 15.1"	92
NE050385	5,000	380/1/50	2.1	131°F	1000	44.63" x 11.8" x 15.1"	136
NE050405	5,000	400/1/50	1.9	131°F	1000	44.63" x 11.8" x 15.1"	136
NE050415	5,000	415/1/50	1.9	131°F	1000	44.63" x 11.8" x 15.1"	136
NE060237	6,000	230/1/50-60	4.2/3.7	131°F	1000	44.63" x 11.8" x 15.1"	170
NE060235	6,000	230/1/50	4.0	131°F	1000	36" x 11.8" x 15.1"	98
NE060385	6,000	380/1/50	2.4	131°F	1000	44.63" x 11.8" x 15.1"	142
NE060405	6,000	400/1/50	2.3	131°F	1000	44.63" x 11.8" x 15.1"	142
NE060415	6,000	415/1/50	2.2	131°F	1000	44.63" x 11.8" x 15.1"	142
HC080235	8,000	230/1/50	7.1	125°F	1000	48" x 15.9" x 15.1"	166
HC080385	8,000	380/1/50	4.3	125°F	1000	57.6" x 15.9" x 15.1"	232
HC080405	8,000	400/1/50	4.1	125°F	1000	57.6" x 15.9" x 15.1"	232
HC080415	8,000	415/1/50	3.8	125°F	1000	57.6" x 15.9" x 15.1"	232
HC101235	1000	230	6.4	131	1500	48" x 15.86" x 15.03"	166
HC101385	1000	380	3.9	131	1500	57.6" x 15.86" x 15.03"	232
HC101405	1000	400	3.7	131	1500	57.6" x 15.86" x 15.03"	232
HC101415	1000	400	3.7	131	1500	57.6" x 15.86" x 15.03"	232
HC121235	1200	230	8.6	131	1500	48" x 15.86" x 15.03"	163
HC121385	1200	380	5.2	131	1500	57.6" x 15.86" x 15.03"	237
HC121405	1200	400	4.9	131	1500	57.6" x 15.86" x 15.03"	237
HC151235	1500	230	8.2	131	1500	48" x 15.86" x 15.03"	170
HC151385	1500	380	4.9	131	1500	57.6" x 15.86" x 15.03"	247
HC151405	1500	400	4.7	131	1500	57.6" x 15.86" x 15.03"	247

50 HZ Enclosure Air Conditioners

CS SERIES | HAZARDOUS LOCATION A/C

Class I, Div. 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
- 1000 BTUH
- 2000 BTUH



Advantages

- Systems engineered to maintain lower running amps for higher efficiency
- Options and Accessories designed to solve critical applications such as Corrosive or Hazardous Environments
- Customer Service Reps answering your calls
- A website that is easy to navigate AND solutions that are easy to find
- Equipment tested to perform and built to last
- Units designed with our customers' applications and environments in mind

NE SERIES | HAZARDOUS LOCATION A/C

Class I, Div. 2, Groups A, B, C and D T4

- 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
- 1000 BTUH
- 1500 BTUH
- 2000 BTUH
- 3000 BTUH
- 5000 BTUH
- 6000 BTUH



HC SERIES | HAZARDOUS LOCATION A/C

Class I, Div. 2, Groups A, B, C and D T4

- 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
- 8000 BTUH
- 15,000 BTUH
- 20,000 BTUH





Thermal Edge Inc.TM

MADE IN AMERICA MATTERSTM

Air Conditioner Options

- **Electrostatic Coil Coating** to protect from corrosion caused by a salt or chemical environment.
- **Integrated Heat Packages** to provide total temperature control for your enclosure, not just from the heat of summer but from the cold of winter.
- **Dry Contact Options** to allow the use of alarms, lights and notifications.
- **External Heat Control** to support use of an externally mounted heater in the enclosure.
- **316 Stainless Steel** for applications where 304 is not suitable.
- **Hazardous Location** for Class I, Division 2 Groups A, B, C & D applications.
- **Vibration Package** allows for enclosure cooling on cranes, moving vehicles or other difficult locations.
- **2" Deep Extended Filter Media** for applications like flour, cement or coal when a standard filter will load too quickly.
- **Remote Controller Option** to place our digital controller inside the electrical enclosure when the environment requires more security.
- **Redundant System Package** for critical applications, when enclosure cooler failure is not an option. This system operates two air conditioners with specially programmed controllers that toggle the two units to operate them alternately to guarantee that your enclosure always stays at its required temperature and provide automatic backup
- **The Universal Mounting Plate** allows mounting a Thermal Edge Enclosure A/C onto an enclosure that formerly held a different air conditioner model



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

