



UL LISTED ENCLOSURE AIR CONDITIONERS

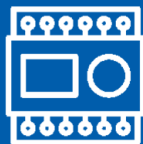
**Efficient and economical cooling
from 1,000 to 20,000 BTUH**

Engineered and 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 and Pulp and Plastics. All products are available in UL types 12, 4 and 4X. Hazardous locations options are available.



Condensate Evaporation Package

Drip-free condensation removal is not an option, it is 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

5
YEARS

Industry Leading 5-Year Warranty

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

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

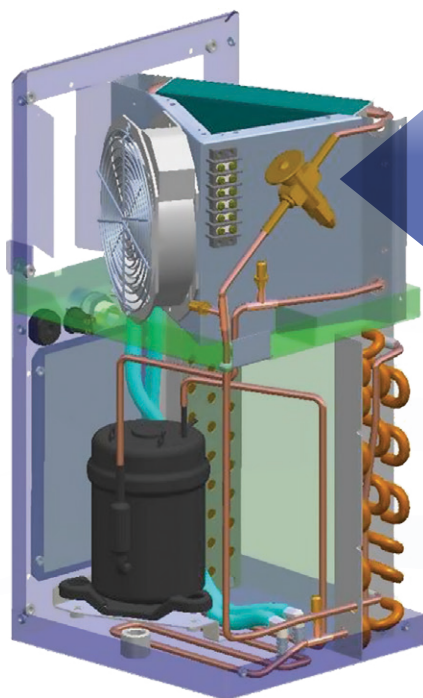
Condensate Evaporation Is Standard On Every Unit... NO DRAIN TUBE IS NEEDED

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**



AIR CONDITIONER PRODUCT LINE

Model	BTU/Hour	Voltage/ Phase/Hz	Running Amps	Max. Ambient Temp	Max. Integrated Heat (Watts)	H x W x D	Unit Weight
CS011D48	1,000	48 VDC	3.5	131°F	NA	17" x 7" x 7"	31
CS011126	1,000	120/1/60	2.7	131°F	350	17" x 7" x 7"	31
NE010126	1,000	120/1/60	3.44	125°F	NA	22" x 11.8" x 8.5"	51
NE010236	1,000	230/1/60	2.67	125°F	NA	22" x 11.8" x 8.5"	53
NE015126	1,500	120/1/60	3.44	125°F	NA	22" x 11.8" x 8.5"	51
NE015236	1,500	230/1/60	2.67	125°F	NA	22" x 11.8" x 8.5"	53
CS020126	2,000	120/1/60	4.1	131°F	500	20" x 10" x 10"	44
CS020236	2,000	230/1/60	2.0	131°F	500	20" x 10" x 10"	49
NE020D48	2,000	48 VDC	5.7	131°F	NA	35.27" x 11.8" x 9.5"	103
NE020126	2,000	120/1/60	3.3	134°F	1000	32" x 11.8" x 9.5"	60
NE020236	2,000	230/1/60	3.07	125°F	1000	32" x 11.8" x 9.5"	72
NE02S236	2,000	230/1/60	1.8	131°F	1000	32" x 11.8" x 15.1"	94
NE02S486	2,000	480/1/60	0.87	134°F	1000	32" x 11.8" x 15.1"	94
NE020486	2,000	480/1/60	0.87	134°F	1000	38" x 11.8" x 9.5"	94
NE030D48	3,000	48 VDC	8.7	131°F	NA	35.27" x 11.8" x 9.5"	103
NE030126	3,000	120/1/60	4.86	140°F	1000	32" x 11.8" x 9.5"	70
NE030236	3,000	230/1/60	3.07	125°F	1000	32" x 11.8" x 9.5"	72
NE03S236	3,000	230/1/60	2.7	131°F	1000	32" x 11.8" x 15.1"	103
NE03S486	3,000	480/1/60	1.28	140°F	1000	32" x 11.8" x 15.1"	103
NE030486	3,000	480/1/60	1.28	140°F	1000	38" x 11.8" x 9.5"	103
NE040D48	4,000	48 VDC	17.5	131°F	NA	35.27" x 11.8" x 9.5"	103
NE040126	4,000	120/1/60	6.76	125°F	1000	32" x 11.8" x 9.5"	70
NE040236	4,000	230/1/60	3.07	125°F	1000	32" x 11.8" x 9.5"	72
NE04S236	4,000	230/1/60	3.5	131°F	1000	32" x 11.8" x 15.1"	103
NE04S486	4,000	480/1/60	1.69	125°F	1000	32" x 11.8" x 15.1"	103
NE040486	4,000	480/1/60	1.69	125°F	1000	38" x 11.8" x 9.5"	103
NE050126	5,000	120/1/60	6.14	140°F	1000	36" x 11.8" x 15.1"	97
NE050236	5,000	230/1/60	3.76	140°F	1000	36" x 11.8" x 15.1"	92
NE050486	5,000	480/1/60	1.9	140°F	1000	44.63" x 11.8" x 15.1"	136

AIR CONDITIONER PRODUCT LINE

(CONTINUED)

Model	BTU/Hour	Voltage/ Phase/Hz	Running Amps	Max. Ambient Temp	Max. Integrated Heat (Watts)	H x W x D	Unit Weight
NE060126	6,000	120/1/60	7.83	125°F	1000	36" x 11.8" x 15.1"	97
NE060236	6,000	230/1/60	4.8	125°F	1000	36" x 11.8" x 15.1"	98
NE060486	6,000	480/1/60	2.4	125°F	1000	44.63" x 11.8" x 15.1"	142
TM061126	6,000	120/1/60	10.6	131°F	1000	15.6" x 26.3" x 20.2"	111
TM061236	6,000	230/1/60	6.0	131°F	1000	15.6" x 26.3" x 20.2"	111
TM061486	6,000	480/1/60	2.9	131°F	1000	15.6" x 26.3" x 20.2"	154
NE080126	8,000	120/1/60	7.83	125°F	1000	36" x 11.8" x 15.1"	102
NE080236	8,000	230/1/60	4.8	125°F	1000	36" x 11.8" x 15.1"	103
NE080486	8,000	480/1/60	2.4	125°F	1000	44.63" x 11.8" x 15.1"	142
TM081126	8,000	120/1/60	11.6	131°F	1000	15.6" x 26.3" x 20.2"	111
TM081236	8,000	230/1/60	7.0	131°F	1000	15.6" x 26.3" x 20.2"	111
TM081486	8,000	480/1/60	3.5	131°F	1000	15.6" x 26.3" x 20.2"	154
HC102126	10,000	120/1/60	14.56	140°F	1500	48" x 15.9" x 15.1"	162
HC102236	10,000	230/1/50-60	6.3	140°F	1500	48" x 15.9" x 15.1"	166
HC102486	10,000	460/1/50-60	3	140°F	1500	57" x 15.9" x 15.1"	232
HC122230	12,000	230/1/50-60	7	140°F	1500	48" x 15.9" x 15.1"	163
HC122460	12,000	460/1/50-60	3.36	140°F	1500	57" x 15.9" x 15.1"	237
HC151236	15,000	230/1/60	9.93	140°F	1500	48" x 15.9" x 15.1"	170
HC151486	15,000	480/1/60	5.21	140°F	1500	57.6" x 15.9" x 15.1"	247
HC20C236	20,000	230/1/60	12.47	140°F	1500	48" x 15.86" x 15.03"	170
HC20C486	20,000	480/1/60	6.3	140°F	1500	57.6" x 15.86" x 15.03"	247

CS SERIES AIR CONDITIONERS

Smallest 2000 BTUH available

- Active Condensate Evaporation is standard
- Fits on a 7" or 10" deep enclosure
- Available in UL Types 12, 4, 4X
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 48VDC in 1000 BTUH
- 1000 BTUH
- 2000 BTUH



TM SERIES AIR CONDITIONERS

Top Mounted Enclosure Air Conditioners

- Active Condensate Evaporation is standard
- Available in UL Types 12, 4, 4X
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 460V
- 6000 BTUH
- 8000 BTUH



NE SERIES AIR CONDITIONERS

Active Condensate Evaporation is standard

- Fits on a 12" deep enclosure
- Available in UL Types 12, 4, 4X and Hazardous Environment applications
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 460V, 48VDC in 4000 BTUH
- 1000 BTUH
- 1500 BTUH
- 2000 BTUH
- 3000 BTUH
- 4000 BTUH
- 5000 BTUH
- 6000 BTUH
- 8000 BTUH



HC SERIES AIR CONDITIONERS

Active Condensate Evaporation is standard

- Available in UL Types 12, 4, 4X and Hazardous Environment applications
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 460V
- 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, some models are ATEX zone 2
- 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 an Thermal Edge Enclosure A/C onto an enclosure that formerly held a different air conditioner model

Compact Series

1,000 - 2,000 BTUH
Fits 7-10" deep enclosure



Narrow Edge Series

1,000 - 8,000 BTUH
Fits 12" deep enclosure



High Capacity Series

10,000 - 20,000 BTUH
Fits 16" deep enclosure



Top Mount Series

6,000 - 8,000 BTUH
Fits 21" deep enclosure



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

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Brochure #1
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