

UL LISTED ENCLOSURE AIR CONDITIONERS

FULLY INTEGRATED CONDENSATE EVAPORATION PACKAGE
PROGRAMMABLE DIGITAL CONTROLLER
THERMAL EXPANSION VALVE
NARROW DESIGN TO FIT ONTO A 12" ENCLOSURE







Get the Edge... Get Thermal EdgeTemperature Control Solutions For Electrical Enclosures





THERMAL EDGE ENCLOSURE AIR CONDITIONER'S FEATURES AND BENEFITS



DRIP-FREE CONDENSATE REMOVAL IS NOT OPTIONAL

Liquid Condensate is the by-product of every air conditioner. At Thermal Edge we understand that a puddle next to your sensitive electronic enclosure may not be ideal. We eliminate this messy problem by changing the troublesome liquid 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 production line. 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 UNIT

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



THERMAL EXPANSION VALVE CONTROLS THE FLOW

All phase change refrigerant systems require an expansion device which controls the flow of refrigerant in the evaporator. Two principal types of control are used: Thermal Expansion Valves or Capillary Tubes.

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

There are three major advantages to this refrigerant control method.

- 1. Maximum efficiency over a wide temperature and load range.
- 2. Improved refrigerant return to the compressor assures better cooling at high temperatures and reduces the possibility of liquid slugging which can destroy the compressor.
- 3. Variations in refrigerant charge, particularly smaller units, are less critical.



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 unit
- Ethernet, Modbus RTU and Ethernet/IP communication options



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MODEL	BTU/Hour	VOLT- AGE/ PHASE/ Hz.	RUN- NING AMPS	MAXIMUM AMBIENT TEMP.	MAXIMUM INTEGRATED HEAT IN WATTS	HxWxD	SHIP WEIGHT
NE010126	1,000	120/1/60	3.44	125°F	NA	22" x 11.8" x 8.5"	67
NE010236	1,000	230/1/60	2.67	125°F	NA	22" x 11.8" x 8.5"	67
CS011126	1,000	120/1/60	2.70	131°F	325	17" x 7" x 7"	43
NE015126	1,500	120/1/60	3.89	125°F	NA	22" x 11.8" x 8.5"	67
NE015236	1,500	230/1/60	2.67	125°F	NA	22" x 11.8" x 8.5"	67
NE020126	2,000	120/1/60	3.76	125°F	1000	32" x 11.8" x 9.5"	111
NE020236	2,000	230/1/60	3.07	125°F	1000	32" x 11.8" x 9.5"	116
NE020486	2,000	480/1/60	0.93	125°F	1000	38" x 11.8" x 9.5"	141
CS020126	2,000	120/1/60	3.36	125°F	500	20" x 10" x 10"	56
CS020236	2,000	230/1/60	2.00	125°F	500	20" x 10" x 10"	59
NE030126	3,000	120/1/60	5.15	125°F	1000	32" x 11.8" x 9.5"	111
NE030236	3,000	230/1/60	3.07	125°F	1000	32" x 11.8" x 9.5"	116
NE030486	3,000	480/1/60	1.51	125°F	1000	38" x 11.8" x 9.5"	141
NE040126	4,000	120/1/60	5.53	125°F	1000	32" x 11.8" x 9.5"	111
NE040236	4,000	230/1/60	3.07	125°F	1000	32" x 11.8" x 9.5"	116
NE040486	4,000	480/1/60	1.51	125°F	1000	38" x 11.8" x 9.5"	141
NE050126	5,000	120/1/60	7.26	125°F	1000	36" x 11.8" x 15.1"	139
NE050236	5,000	230/1/60	3.76	125°F	1000	36" x 11.8" x 15.1"	140
NE050486	5,000	480/1/60	1.44	125°F	1000	44.63" x 11.8" x 15.1"	189
NE060126	6,000	120/1/60	7.83	125°F	1000	36" x 11.8" x 15.1"	139
NE060236	6,000	230/1/60	4.80	125°F	1000	36" x 11.8" x 15.1"	140
NE060486	6,000	480/1/60	1.80	125°F	1000	44.63" x 11.8" x 15.1"	189
NE080126	8,000	120/1/60	7.83	125°F	1000	36" x 11.8" x 15.1"	139
NE080236	8,000	230/1/60	4.80	125°F	1000	36" x 11.8" x 15.1"	140
NE080486	8,000	480/1/60	1.80	125°F	1000	44.63" x 11.8" x 15.1"	189
HC101126	10,000	120/1/60	19.4	131°F	1500	48" x 15.9" x 15.1"	183
HC101236	10,000	230/1/60	8.20	131°F	1500	48" x 15.9" x 15.1"	186
HC101486	10,000	480/1/60	3.93	131°F	1500	57.6" x 15.9" x 15.1"	244
HC121126	12,000	120/1/60	19.4	131°F	1500	48" x 15.9" x 15.1"	183
HC121236	12,000	230/1/60	8.20	131°F	1500	48" x 15.9" x 15.1"	186
HC121486	12,000	480/1/60	3.93	131°F	1500	57.6" x 15.9" x 15.1"	244
HC151236	15,000	230/1/60	11.3	131°F	1500	48" x 15.9" x 15.1"	191
HC151486	15,000	480/1/60	5.41	131°F	1500	57.6" x 15.9" x 15.1"	256
HC201236	20,000	230/1/60	13.7	131°F	1500	56.1" x 23" x 15"	226
HC201486	20,000	480/1/60	6.56	131°F	1500	65.7" x 23" x 15"	342













Temperature Control Solutions For Electrical Enclosures



The Legendary
Green Bay Packers Coach
Vince Lombardi said:

"Winning is not a sometime thing; it's an all-the-time thing. You don't win once in a while, you don't do things right once in a while, you do them right all the time. Winning is a habit. Unfortunately, so is losing."

- Inventory on Hand
- Customer Service 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 customer's applications and environments in mind
- Systems engineered to maintain lower running amps and higher efficiency
- Features and Accessories designed to solve critical applications as in Corrosive or Hazardous Environments



STANDARD ON EVERY THERMAL EDGE AIR CONDITIONER:

- Condensate evaporation package
- Fully programmable digital controller
- Thermal expansion valve
- Full product line available in NEMA Types 12, 4 & 4X
- UL Listed under Standard 484, file number SA32252
- On/off switch as mandated by UL Standard 484
- Rigid chassis and seam welded shroud
- Proudly manufactured in the U.S.A.

NOTE: AIR CONDITIONERS ARE SHIPPED SEPARATELY FROM ENCLOSURES

AIR CONDITIONER OPTIONS:

- Electrostatic Coil Coating to prevent corrosion caused by a salt or chemical laden environment
- Enclosure door kill switch
- 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
- Remote monitoring options
- External Heat Control to support use of an externally mounted heater in the enclosure
- Vibration Package allows for enclosure cooling on cranes, moving vehicles or other difficult locations. These systems are available in two levels
- 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 a more secure setting
- The Universal Mounting Plate allows the mounting of the Thermal Edge Enclosure
 Air Conditioner onto an enclosure that formerly held a different brand of air
 conditioner.
- UL Listed Hazardous Location option, Class 1, Div 2, Groups B, C, D

Contact Us Today for Your Cooling Solutions!!

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All information subject to change without notice



