

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*

1. Condensate Evaporation to turn the condensate back into vapor

Condensate Evaporation System eliminates drain lines and buckets by routing the refrigerant hot gas lines through a condensate boil off pan. This process converts the liquid back into a vapor which is vented out of the air conditioner. In addition to eliminating the buckets and drains needed with other air conditioners, this process pre-cools the refrigerant gas, thereby lessening the load on the compressor and lowering our running amps.

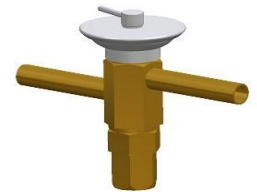
Lower running amps and no condensate makes a better air conditioner.

2. Thermal Expansion Valve controlling the flow of refrigerant

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

Thermal Edge always uses **Thermal Expansion Valves**. In your demanding environment, you need temperature controls that you can depend on, regardless of temperature changes throughout the work day or seasonal year.



3. Programmable Digital Controller making a smarter air conditioner



The Thermal Edge Digital Programmable Controllers incorporate programmable set point and temperature controls, visible error and/or alarm messaging, system status indication and password protection. Remote control is available with our OD package. The Digital Controller from Thermal Edge... When a smarter air conditioner is needed for a better package.

Contact Us Today!!

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UL File # SA32252

Air Conditioner Product Line

MODEL	BTU/HOUR	VOLTAGE/ PHASE/ HZ.	RUNNING AMPS	MAXIMUM AMBIENT TEMP.	MAXIMUM INTEGRATED HEAT IN WATTS	H x W x D	SHIP WEIGHT
NE010126	1,000	120/1/60	2.69	125°F	NA	22" x 11.8" x 8.5"	67
NE010236	1,000	230/1/60	1.99	125°F	NA	22" x 11.8" x 8.5"	67
CS011D48	1,000	48 VDC	3.70	125°F	NA	17" x 7" x 7"	43
CS011126	1,000	120/1/60	2.70	131°F	350	17" x 7" x 7"	43
NE015126	1,500	120/1/60	3.44	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	131°F	500	20" x 10" x 10"	56
CS020236	2,000	230/1/60	2.00	131°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
NE040D48	4,000	48 VDC	22.3	131°F	NA	35.27" x 11.8" x 9.5"	120
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
TM061126	6,000	120/1/60	10.6	131°F	1000	15.6" x 26.3" x 20.2"	163
TM061236	6,000	230/1/60	6.0	131°F	1000	15.6" x 26.3" x 20.2"	163
TM061486	6,000	480/1/60	3.0	131°F	1000	15.6" x 26.3" x 20.2"	206
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
TM081126	8,000	120/1/60	11.2	131°F	1000	15.6" x 26.3" x 20.2"	163
TM081236	8,000	230/1/60	7.0	131°F	1000	15.6" x 26.3" x 20.2"	163
TM081486	8,000	480/1/60	3.5	131°F	1000	15.6" x 26.3" x 20.2"	206
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	15.3	131°F	1500	56.1" x 23" x 15"	226
HC201486	20,000	480/1/60	7.7	131°F	1500	65.7" x 23" x 15"	342

ETM 
Calculator



ATTENTION: If ordering a replacement for a Thermal Edge air conditioner, please include the part number and serial number of the unit being replaced in your order. This will assure that we ship a replacement that is compatible with the cutout dimensions and power connection features of the older model.

All information subject to change without notice

2016-07-11

