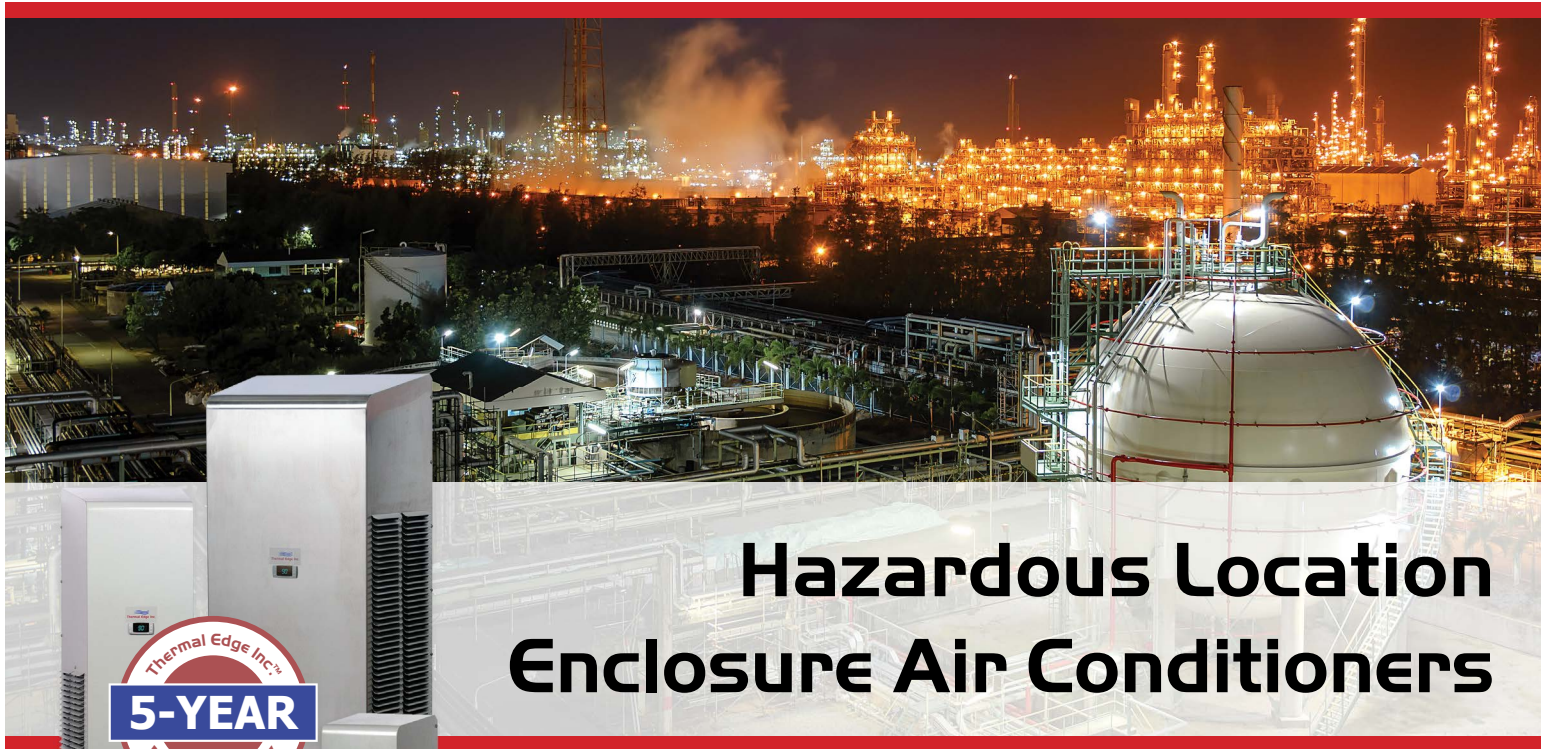




Hazardous Location Enclosure Air Conditioners

**Efficient and durable cooling
for extreme conditions**

Designed to provide nonincendive cooling for hazardous location electrical enclosures, these closed-loop units are ideal for use on systems in chemical and petrochemical, refining, onshore and offshore drilling applications.



**Hazardous
Location
Certified**

ANSI/ISA-12.12.01-
2015 Nonincendive
Electrical Equipment
for use in:
Class I, Div. 2,
Groups A, B, C, D



**Designed
for Extreme
Conditions**

For purged and
non-purged
enclosures. Fully
programmable
digital controller
with built in alarms
and alerts.



**Energy
Efficient
Operation**

Active, energy
saving, Condensate
Evaporation System
and Thermal
Expansion Valve for
maximum efficiency



**Cooling for a
Wide Range of
Applications**

With cooling
capacities from 2000
to 20,000 BTUH,
these units provide
cooling for a wide
range of cabinet
cooling applications.

CS Series

Hazardous Location Air Conditioners

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
- 115V, 230V
- $0^{\circ}\text{C} \leq T_a \leq 48^{\circ}\text{C}$

2000 BTUH

NE Series

Hazardous Location Air Conditioners

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
- 115V, 230V, 460V
- $0^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$

2000 BTUH	5000 BTUH
3000 BTUH	6000 BTUH
4000 BTUH	8000 BTUH

HC Series

Hazardous Location Air Conditioners

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
- 115V, 230V, 460V
- $0^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$

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

TM Series

Hazardous Location Air Conditioners

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



6000 BTUH
8000 BTUH

- Top Mounted Enclosure Air Conditioners
- 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
- 115V, 230V, 460V
- $0^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$

60 Hz Hazardous Location Enclosure Air Conditioning Systems

60 Hz Model	BTU/ Hour	Voltage/ Phase/ Hz.	Max. Ambient Temp.	Temp. Code
CS020126J4	2000	115/1/60	118°F	T6
CS020236J4	2000	230/1/60	118°F	T6
NE020126J4	2000	115/1/60	122°F	T4
NE020236J4	2000	230/1/60	122°F	T4
NE020486J4	2000	460/1/60	122°F	T4
NE02S486J4	2000	460/1/60	122°F	T4
NE030126J4	3000	115/1/60	122°F	T4
NE030236J4	3000	230/1/60	122°F	T4
NE030486J4	3000	460/1/60	122°F	T4
NE03S486J4	3000	460/1/60	122°F	T4
NE040126J4	4000	115/1/60	122°F	T4
NE040236J4	4000	230/1/60	122°F	T4
NE040486J4	4000	460/1/60	122°F	T4
NE04S486J4	4000	460/1/60	122°F	T4
NE050126J4	5000	115/1/60	122°F	T4
NE050236J4	5000	230/1/60	122°F	T4
NE050486J4	5000	460/1/60	122°F	T4
NE060126J4	6000	115/1/60	122°F	T4
NE060236J4	6000	230/1/60	122°F	T4

60 Hz Model	BTU/ Hour	Voltage/ Phase/ Hz.	Max. Ambient Temp.	Temp. Code
NE060486J4	6000	460/1/60	122°F	T4
TM061126J4	6000	115/1/60	122°F	T4
TM061236J4	6000	230/1/60	122°F	T4
TM061486J4	6000	460/1/60	122°F	T4
NE080126J4	8000	115/1/60	122°F	T4
NE080236J4	8000	230/1/60	122°F	T4
NE080486J4	8000	460/1/60	122°F	T4
TM081126J4	8000	115/1/60	122°F	T4
TM081236J4	8000	230/1/60	122°F	T4
TM081486J4	8000	460/1/60	122°F	T4
HC101126J4	10,000	115/1/60	122°F	T4
HC101236J4	10,000	230/1/60	122°F	T4
HC101486J4	10,000	460/1/60	122°F	T4
HC121126J4	12,000	115/1/60	122°F	T4
HC121236J4	12,000	230/1/60	122°F	T4
HC121486J4	12,000	460/1/60	122°F	T4
HC20C236J4	20,000	230/1/60	122°F	T4
HC20C486J4	20,000	460/1/60	122°F	T4

50 Hz Hazardous Location Enclosure Air Conditioning Systems

50 Hz Model	BTU/ Hour	Voltage/ Phase/ Hz.	Max. Ambient Temp.	Temp. Code
CS020235J4	2,000	230/1/50	48°C	T6
NE020105J4	2,000	100/1/50	50°C	T4
NE020235J4	2,000	230/1/50	50°C	T4
NE020385J4	2,000	380/1/50	50°C	T4
NE020405J4	2,000	400/1/50	50°C	T4
NE020415J4	2,000	415/1/50	50°C	T4
NE030105J4	3,000	100/1/50	50°C	T4
NE030205J4	3,000	200/1/50	50°C	T4
NE030385J4	3,000	380/1/50	50°C	T4
NE030405J4	3,000	400/1/50	50°C	T4
NE030415J4	3,000	415/1/50	50°C	T4
NE050235J4	5,000	230/1/50	50°C	T4
NE050385J4	5,000	380/1/50	50°C	T4
NE050405J4	5,000	400/1/50	50°C	T4
NE050415J4	5,000	415/1/50	50°C	T4
NE060235J4	6,000	230/1/50	50°C	T4
NE060385J4	6,000	380/1/50	50°C	T4
NE060405J4	6,000	400/1/50	50°C	T4

50 Hz Model	BTU/ Hour	Voltage/ Phase/ Hz.	Max. Ambient Temp.	Temp. Code
NE060415J4	6,000	415/1/50	50°C	T6
HC080235J4	8,000	230/1/50	50°C	T6
HC080385J4	8,000	380/1/50	50°C	T4
HC080405J4	8,000	400/1/50	50°C	T4
HC080415J4	8,000	415/1/50	50°C	T4
HC101235J4	10,000	230/1/50	50°C	T4
HC101385J4	10,000	380/1/50	50°C	T4
HC101405J4	10,000	400/1/50	50°C	T4
HC101415J4	10,000	415/1/50	50°C	T4
HC121235J4	12,000	230/1/50	50°C	T4
HC121385J4	12,000	380/1/50	50°C	T4
HC121405J4	12,000	400/1/50	50°C	T4
HC121415J4	12,000	415/1/50	50°C	T4

**Thermal Edge Hazardous Location air conditioners
are certified to the following standard(s):**

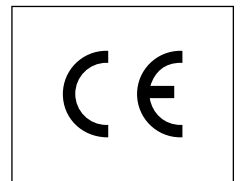
ANSI/ISA-12.12.01-2015 Nonincendive Electrical Equipment for use in
Class I, Division 2, Groups A, B, C and D Hazardous (Classified) Locations

CAN/CSA C22.2 No. 213-15 Nonincendive Electrical Equipment for use in
Class I, Division 2, Groups A, B, C and D Hazardous (Classified) Locations

SYSTEM FEATURES:

- For purged and non-purged enclosures
- Active, energy efficient, Condensate Evaporation System
- Fully programmable digital controller with built in alarms and alerts
 - Remote controller option places controller inside enclosure
- Thermal Expansion Valve for maximum efficiency when temperature or heat load changes
- Hermetically sealed compressor thermal overload protector
- Models range from 2000 to 20,000 BTUH
- Available in UL types 12, 4 and 4X
- Top Mount and Side Mount

Critical components in the NRTL Hazardous Location Listing Report
must not be substituted with alternate components.
Thermal Edge, Inc. and MET Labs must be notified before changes to any
drawings, samples, or required documentation will be approved.



**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.

(972) 580-0200 • www.thermaledge.com • thermalinfo@thermaledge.com



Brochure #11
2025-08-21