Thermal Edge Inc.™ 5-YEAR WARRANTY

Thermal Edge Inc.™
MADE IN AMERICA MATTERS™

BUILD AMERICA BUY AMERICA ★ BABA COMPLIANT ★



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.

NRTL LISTED MET c US

Hazardous Location Certified

ANSI/ISA-12.12.01-2015 Nonincendive Electrical Equipment for use in: Class I, Division 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

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

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.

Hazardous Location 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
- 115V, 230V
- 0°C≤Ta≤48°C
- 2000 BTUH



TM SERIES | HAZARDOUS LOCATION A/C

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

- 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°C≤Ta≤50°C
- 6000 BTUH
- 8000 BTUH



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
- 115V, 230V, 460V
- 0°C≤Ta≤50°C
- 2000 BTUH
- 3000 BTUH
- 4000 BTUH
- 5000 BTUH
- 6000 BTUH
- 8000 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
- 115V, 230V, 460V
- 0°C≤Ta≤50°C
- 15,000 BTUH
- 20,000 BTUH



CURRENTLY AVAILABLE MODELS

60 Hz Hazardous Location Enclosure A/C Systems

60 Hz Model	BTU/ Hour	Voltage/ Phase/Hz.	Max. Ambient Temp.	Temp. Code
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
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

50 Hz Hazardous Location Enclosure A/C Systems

50 Hz Model	BTU/ Hour	Voltage/ Phase/Hz.	Max. Ambient Temp.	Temp. Code
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

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System Features

- For purged and non-purged enclosures
- Energy efficient, condensate evaporation system
- Fully programmable digital controller with built in alarms and alerts
- Remote controller
  (this 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 2,000 to 20,000 BTUH
- Available in UL types 12, 4 and 4X
- Top mount and side mount

NOTE: 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.

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 & 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 & D Hazardous (Classified) Locations

NRTL LISTED MET c US
E113961
Hazardous Locations
Certification

c UL US
SA32252
Ordinary Locations
Certification

CE



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

Thermal Edge Inc.™ 5-YEAR WARRANTY

BUILD AMERICA BUY AMERICA BABA COMPLIANT

CERTIFIED ISO 9001 2015 CERTIFIED

PROUDLY FAMILY OWNED AND OPERATED