

HC121J4 (50 HZ)

HAZARDOUS LOCATIONS

12,000 BTUH | INDOOR/OUTDOOR, UL TYPES 12, 4 & 4X AVAILABLE

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



OPTIONS:

- Corrosion Protection
- Low Ambient
- Remote Controller
- Dry Contact
- Controller Programming
- External Heater Control
(for Haz Loc enclosure heaters)
- Filter/Filter Frame
- Extended Temperature Probe
- Custom Paint

Thermal Edge HC121J4 50Hz 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 T4 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 T4 Hazardous (Classified) Locations
- $0^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$

System Features

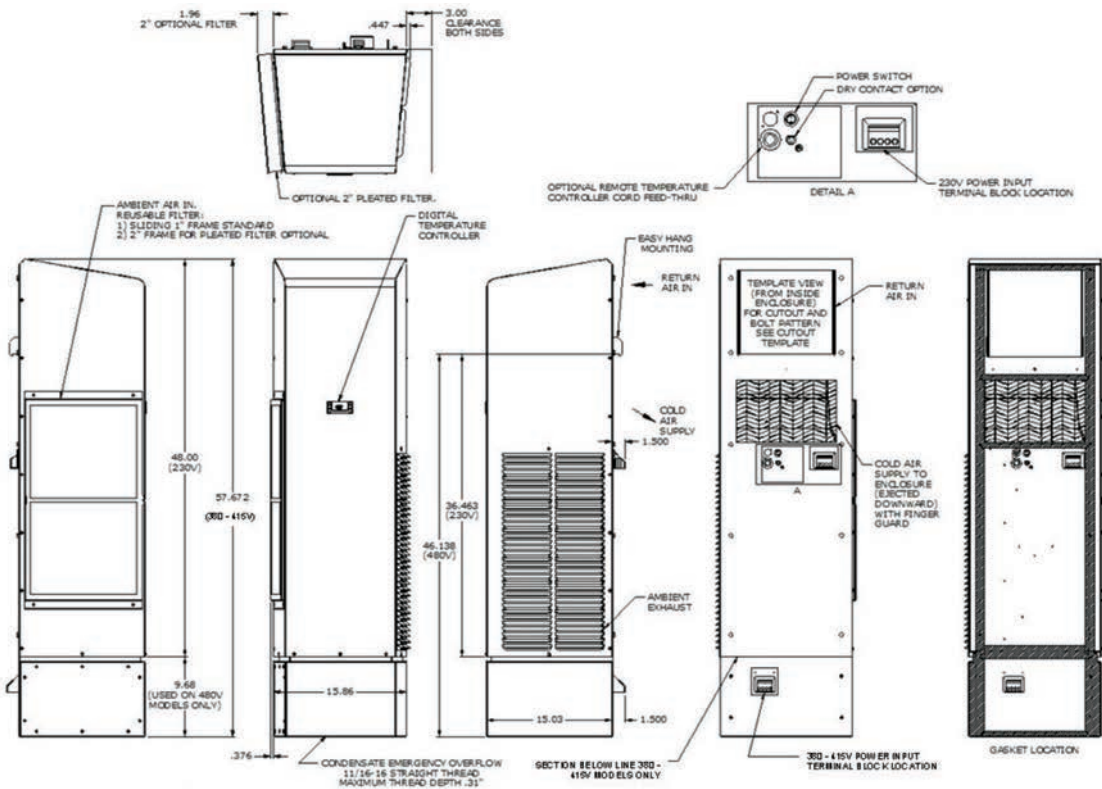
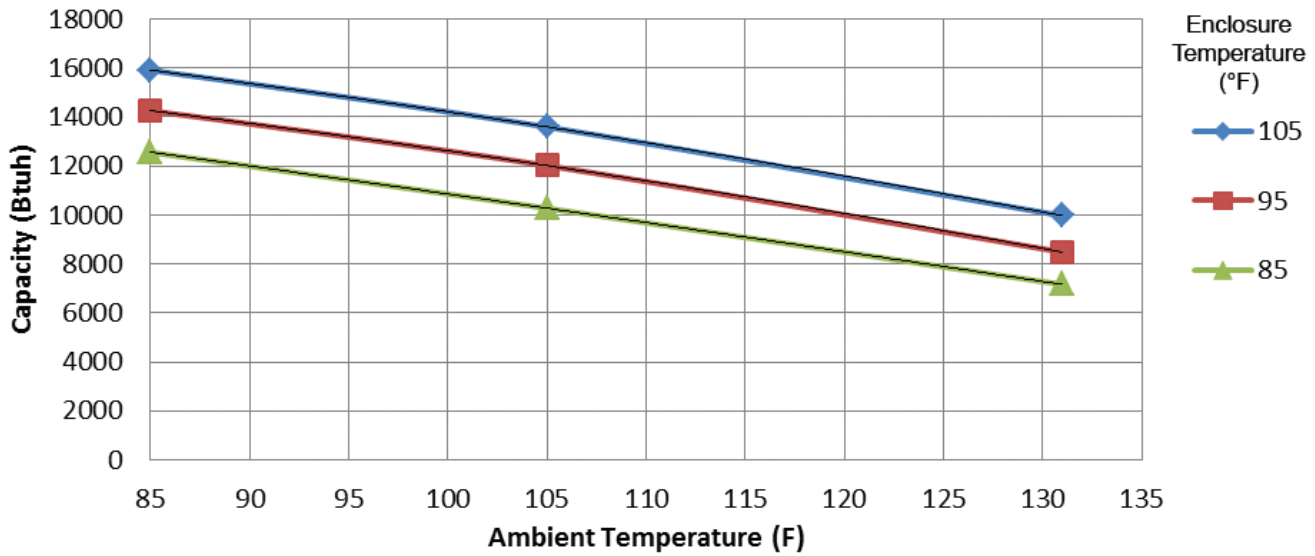
- For purged and non-purged enclosures
- Active, energy efficient, Condensate Evaporation System
- Fully programmable digital controller with built in alarms and alerts
- Remote controller option places controller inside enclosure
- Thermal Expansion Valve for maximum efficiency when temperature or heat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

Unit Efficiency

- Pressure-operated condenser fan reduces power inrush and saves energy
- Highly efficient Rotary Compressor
- Fully insulated & sealed cabinet

Model	UL Type	BTU/Hour	Material	Voltage/Phase/Hz.	Running Amps	Max. Amb. Temp.	H x W x D	Weight (lbs.) Unit/Ship
HC12123512J4	12	12,000	Powder coated steel	230/1/50	8.2	50°C	48" x 15.86" x 15"	163 / 183
HC12123504J4	4	12,000	Powder coated steel	230/1/50	8.2	50°C	48" x 15.86" x 15"	163 / 183
HC1212354XJ4	4X	12,000	Stainless steel	230/1/50	8.2	50°C	48" x 15.86" x 15"	163 / 183
HC12138512J4	12	12,000	Powder coated steel	380/1/50	4.7	50°C	57.6" x 15.86" x 15"	237 / 280
HC12138504J4	4	12,000	Powder coated steel	380/1/50	4.7	50°C	57.6" x 15.86" x 15"	237 / 280
HC1213854XJ4	4X	12,000	Stainless steel	380/1/50	4.7	50°C	57.6" x 15.86" x 15"	237 / 280
HC12140512J4	12	12,000	Powder coated steel	400/1/50	4.7	50°C	57.6" x 15.86" x 15"	237 / 280
HC12140504J4	4	12,000	Powder coated steel	400/1/50	4.7	50°C	57.6" x 15.86" x 15"	237 / 280
HC1214054XJ4	4X	12,000	Stainless steel	400/1/50	4.7	50°C	57.6" x 15.86" x 15"	237 / 280

Testing done under controlled conditions. Actual performance may vary.



*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 are approved.

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 ensure 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.