

Safe Air Technology

Explosion Proof Hazardous Location Condenser Units

CU-XPC Air Condenser Series

CU-XPC Series

CU-XPC series Condenser Units are Fully Tested for Operational Performance and Compliance. Units are Manufactured to Code and **N.E.C. Rated and Approved for Explosion Proof Locations.**

Available in 50 and 60 Hz Models

Capacities: 1.0 to 200 Tons

Standard Features

- ⌋= All Electrical Components are ***UL Approved***
- ⌋= Motor can be Accessed Fast and Easy for Maintenance
- ⌋= N.E.C Approved Explosion Proof Overload Protection on Motors and Compressors
- ⌋= Non Sparking Condenser fan designs
- ⌋= ***N.E.C. "Certificate of Conformance" Issued***
- ⌋= Operation, Maintenance & Installation Manuals Included



30 Ton Division 1 Condenser



20 Ton Division 1 Condenser



N.E.C. Rated and Approved
Safe Air Technology

Offering The Keys to Success: Quality, Pricing and On Time Delivery

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System Description

Safe Air Technology CU-XPC series Units are fully tested for operational performance and compliance to ensure customer satisfaction. Our units are designed to provide cooling for Industrial severe duty applications, our quality of engineering and manufacturing will ensure many years of reliable service.

Please contact our sales engineering departments should you have any questions. We look forward to working with you and serving your needs for all of your HVAC/R Projects.

Safe Air Technology, providing **NEC “Certificates of Conformance”** showing compliance with N.E.C. codes. If requested SAT will provide an engineering submittal package for approval prior to manufacturing.

System Applications

- \= Industrial Refineries
- \= Chemical Plants
- \= Offshore Platforms
- \= Gas Plants and Pipelines
- \= Corrosive and Hazardous Storage Facilities
- \= Ammunition Storage Bunkers
- \= Paint Rooms
- \= Fuel Transfer Docks and Pumping Stations

Available Features

All units are built to client specifications. Please contact our sales end engineering department to assist you in a properly design system for your specifications. We look forward to hearing from you soon.

Below are a list of Standard Options. If your requirement is not listed we will custom design it into your system.

Thank you !!

Available Options

- \= **-HCC** Heresite Coated Coils and Copper Tubing for Corrosion Protection
- \= **-ADC** ADSIL Coated Coils and Copper Tubing for Corrosion Protection
- \= **-ADA** ADSIL Coated Unit, Coils, Tubing, Including All Metal Parts, and Housing for Corrosion Protection
- \= **-SH** 316 Stainless Steel Housing
- \= **-LAC** Low Ambient Control
- \= **-H/L** Explosion Proof High and Low Pressure safety Switches
- \= **-HG** Hot Gas by Pass Installed
- \= **-CRT** Export Crate for Sea or Air Shipping
- \= **-CPCP** Copper Tube and Copper Fin Coils



CU - XPC - H - DX - R22 - 2.0 - 4 - ICD2 - ***

Condenser Identification

CU = Air Handler

SAT Engineering Use Only

Design Type

H = Horizontal Discharge Air Flow
V = Vertical Discharge Air Flow

Coil Type

DX = Direct Expansion Refrigerant Type Coil
WC = Water Cooled

Refrigerant Type

R-22
R-134a
R-404c
N = Not in Use (Water Cooled Units)
[Contact SAT Engineering for Details on N.E.C. Codes and Requirements](#)

Cooling Capacity in Tons (12,000 BTU/HR per Ton

2.0 = 24,000 BTU/HR = 2 Tons of Cooling

Unit Power Supply Options

1 = 110-120 Volt / 1 Phase / 60 Hertz
2 = 208-230 Volt / 1 Phase / 60 Hertz
2(50) = 220-240 Volt / 1 Phase / 50 Hertz
3 = 208-230 Volt / 3 Phase / 60 Hertz
4 = 230-460 Volt / 3 Phase / 60 Hertz
4(50) = 415-440 Volt / 3 Phase / 50 Hertz

Explosion Proof N.E.C. Classification

[Contact Our Sales Engineering Department for Classification Codes](#)

Options Listed at End of Model Number

-HCC = Heresite Coated Coils and All Copper Lines
-ADC = Adsil Coated Coils and All Copper Lines
-ADA = Adsil Coated Coils Plus All Metal Parts and Housing Coated for Protection
-SH = 316 Stainless Steel Housing
-HG = Hot Gas By Pass Valve Installed
-CRT = Export Sea or Air Crate
-CPCP = Copper Tube Copper Fin
-LAC = Low Ambient Control
-H/L = Low and High Pressure Safety Switches Explosion Proof Design