



## **RTXP2 Series - Division 1 OR 2 / Zone 0, 1, OR 2**

**Explosion Proof Hazardous Location Roof Top A/C Unit**

**N.E.C and I.E.C. Approved for Explosion Proof Locations**

**50 & 60 Hertz Models**

**Capacity: 12,000-36,000 BTU/HR**

**Various Classification Combinations Available**



### **Standard Features**

- All Electrical Components are **UL and / or CSA Approved**
- Explosion Proof Overload Protection on Motors and Compressors
- Easily Accessible Motor for fast and Convenient Service
- Non Sparking Condenser Fan and Blower designs
- Aluminum Fin and Copper Tube Coils for Maximum Heat Transfer
- Explosion Proof Operational Controls Included
- Operation, Maintenance & Installation Manuals Included
- System NEC Certificate of Conformance

**Offering The Keys to Success:**

**Quality  
Pricing  
On Time Delivery**



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[www.explosionproof.net](http://www.explosionproof.net)

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## System Description

**Safe Air Technology RTXP2 Series: Roof Top Units** are designed to provide Cooling and Heating for the demanding needs of today's Severe Duty Applications. Safe Air Technology's **RTXP2** Series systems are CSA Third Party Certified for use in Hazardous Location. Safe Air Technology's units are fully tested for operational performance and NEC/IEC compliance to ensure customer satisfaction and many years of reliable service.

**Safe Air Technology** will provide **NEC "Certificates of Conformance"** for each **RTXP2** unit to show compliance with National Electric Code Articles 500-515 guidelines for explosion proof equipment in hazardous locations.

Please contact our Sales department at [sales@explosionproof.net](mailto:sales@explosionproof.net) or by phone at **225.303.0007** with any questions that you may have. We look forward to working with you and serving your HVAC/R needs.

## System Applications

- ◇ Industrial Refineries
- ◇ Chemical Plants
- ◇ Offshore Platforms
- ◇ Gas Plants and Pipelines
- ◇ Fuel Transfer Docks and Pumping Stations
- ◇ Analyzer Buildings
- ◇ MCC Rooms
- ◇ Control Rooms

## Available Options

-ADC	Adsil Coated Coils
-B	Group B Classification
-CC	Copper Tube and Copper Fin Coils
-CRT	Export Crate for Sea/Air Shipping
-DSI	Disconnect Switch Installed
-HCC	Heresite Coated Coils
-HG	Hot Gas Bypass Valve Installed
-HL	High and Low Pressure Safety Switches Installed

-MG1	Marine Grade Coating Option 1 — Coils and Copper Coated
-MG2	Marine Grade Coating Option 2 — Coils, Copper, and Sheet Metal Coated
-MOD	Custom Modification (See Sales)
-RT	Remote Thermostat
-RMT	Remote Control Box
-SH6	316 Stainless Steel Housing

For Temperatures Exceeding 120° F or 48° C , Contact our Sales Team for More Info

### NOTE:

If an option you require due to your specifications is not listed, please contact our Sales Engineering Department. We will be happy to assist in ensuring that your system fully complies with your specifications

## RTXP2 Series 60 Hz Systems

Model (1) 60 Hz	BTU/HR Cooling	Power Supply Volts/Ph/Hz	Cooling Amps	Wire Size (2)	Fuse Size (3)	Air Flow CFM	Housing Size	Unit Weight (lbs)
RTXP2-5800-1-ICD2-***	5,800	115/1/60	4.5	12	15	190	Q	72
RTXP2-8000-1-ICD2-***	8,000	115/1/60	6.5	12	15	220	Q	72
RTXP2-10000-1-ICD2-***	10,000	115/1/60	7.2	12	15	300	S	106
RTXP2-12000-1-ICD2-***	12,000	115/1/60	9.5	12	15	300	S	112
RTXP2-14000-1-ICD2-***	14,000	115/1/60	11	12	15	360	S	141
RTXP2-12000-2-ICD2-***	12,000/ 12,000	230-208/1/60	4.3/ 4.8	12	15	300	S	112
RTXP2-13800-2-ICD2-***	13,800/ 13,300	230-208/1/60	5.0/ 5.3	12	15	360	M	141
RTXP2-20000-2-ICD2-***	20,000/ 20,000	230-208/1/60	9.3/ 10.2	12	15	425	M	141
RTXP2-24000-2-ICD2-***	24,000/ 24,000	230-208/1/60	10.2/ 11.1	12	20	640	L	191
RTXP2-28000-2-ICD2-***	28,000/ 28,000	230-208/1/60	13.1/ 14.1	12	20	640	L	293
RTXP2-36000-2-ICD2-***	36,000/ 35,500	230-208/1/60	17.5/ 19.2	10	30	725	L	212

## RT-XP2 Series 50 Hz Systems

Model (1) 60 Hz	BTU/HR Cooling	Power Supply Volts/Ph/Hz	Cooling Amps	Wire Size (2)	Fuse Size (3)	Air Flow CFM	Housing Size	Unit Weight (lbs)
RTXP2-12000-2(50)-ICD2-***	12,000	220-240/1/50	5.0	12	15	320	A	65
RTXP2-18000-2(50)-ICD2-***	18,000	220-240/1/50	13.2	12	15	450	C	100
RTXP2-24000-2(50)-ICD2-***	24,000	220-240/1/50	13.0	12	15	547	C	100

### NOTES:

- (1) See **RTXP2** Nomenclature for Unit ID (Pg. 6)
- (2) THHN 75°C Copper Wire
- (3) Delay Fuse or Approved Circuit Breaker
- (\*\*\*) Options that can be added. See Page 2 **(\* NEC Group "B" Available Upon Request)**

### IMPORTANT NOTICE:

**T Codes:** It is important to know the auto ignition temperature of the gas or vapor the unit will be operating in or around. The gas or vapor temperature must be above the rating of the equipment.

*Weights and Dimensions Subject to Change. Please Contact Safe Air Technology for Updated Unit Information.*

## RTXP2 Available NEC/IEC Classifications

The Table Below Shows the Available Configurations for the **RTXP2 Series**. The Condenser and Evaporator Section Can Be Designed to Meet your Particular NEC/ IEC Hazardous Area Classification Requirements. If Your Requirement Is Not Listed Below, Please Contact Our Sales Team at **(225) 303-0007** For Assistance.

	Condenser	Evaporator	Model #
Classification	General Purpose	General Purpose	RTXP2-XXX-1-EH-GP
	General Purpose	Division 2/ Zone 2	RTXP2-XXX-1-EH/XP-CND-NXP/EVAP-ICD2
	Division 2/ Zone 2	General Purpose	RTXP2-XXX-1-EH-CND-ICD2/EVAP-NXP
	Division 2/ Zone 2	Division 2/ Zone 2	RTXP2-XXX-1-EH/XP-AU-ICD2
	Division 1/ Zone 0/ Zone 1	Division 2/ Zone 2	RTXP2-XXX-1-EH/XP-CND-ICD1/EVAP-ICD2
	Division 2/ Zone 2	Division 1/ Zone 0/ Zone 1	RTXP2-XXX-1-EH/XP-CND-ICD2/EVAP-ICD1
	Division 1/ Zone 0/ Zone 1	Division 1/ Zone 0/ Zone 1	RTXP2-XXX-1-EH/XP-2-AU-ICD1



### **NOTES:**

(1) See **RTXP2** Nomenclature for Unit ID (Pg. 5)

### **IMPORTANT NOTICE:**

**T Codes:** It is important to know the auto ignition temperature of the gas or vapor the unit will be operating in or around. The gas or vapor temperature must be above the rating of the equipment.

## RTXP2 Series Roof Top Unit Nomenclature Guide

**RTXP2 - 15000 - 1 - EH - CND - ICD1 - \*\*\*\***

### Roof Top Design

RTXP2 = Division 1 or 2 Roof Top Unit

### Cooling Capacity

15,000 = 15,000 BTU/HR

### Power Supply

1= 110-120 V/ 1 Ph/ 60 Hz

### Heating Options

EH= Electric Heat

### Unit Explosion Proof Design

CND = Condenser Section ONLY Explosion Proof  
 EVAP = Evaporator Section ONLY Explosion Proof  
 AU = All Unit Explosion Proof

### Explosion Proof N.E.C Classification

Contact Our Sales Engineering Department for Classification Codes

ICD1 = Class I, Groups C&D, Division 1-T3  
 ICD2 = Class I, Groups C&D, Division 2-T3

### Unit Options

-ADC = Adsil Coated Coils

-B = Group B Classification

-CC = Copper/Copper Coils

-CRT = Export Crate Included

DSI = Disconnect Switch Installed

-HCC = Heresite Coated Coils

-HG = Hot Gas Bypass Valve Installed

-HL = High and Low Pressure Safety  
 Switches Installed

-MG1 = Marine Grade Coating 1

-MG2 = Marine Grade Coating 2

-MOD = Custom Modification (See  
 Sales)

-RT = Remote Thermostat

-RMT = Remote Control Box

-SH6 = 316 Stainless Steel



## Safe Air Technology Office Locations

**Safe Air Technology** specializes in the engineering and manufacturing of Explosion Proof, Corrosion Resistant, and Severe Duty HVAC/R systems and Pressurization Equipment. Our explosion proof, severe duty systems are designed to offer a safe solution at a competitive price, while also maintaining the highest level of quality in both our systems and services.

**Safe Air Technology** is headquartered in Baton Rouge, Louisiana, allowing us to easily serve many of our petrochemical, oil and gas, and industrial clients. To better serve our clients around the world, **Safe Air Technology** has established international offices in both the Middle East and Asia. As a result, **Safe Air Technology** has had the opportunity to build and design HVAC/R systems for clients in over 40 countries.

At **Safe Air Technology**, we understand that our clients' HVAC/R needs are continuously adapting and changing. By forging a relationship with you, we can be better equipped to understand and meet your specific needs as they arise.

Contact **Safe Air Technology** and let us help to keep industry safe for your world.



**Safe Air Technology**  
United States



**Safe Air Technology**  
U.A.E.



**Safe Air Technology**  
Singapore

