SafeAIRTechnology

RT Series

Compact Roof Top Units

50 and 60 Hertz Models Available

Condenser Section only & All Explosion Proof

UL484:2014Ed.9+R
CSA.222#117* UL121201:2017Ed.3
CSA CC22.2#213:2017Ed.3
CLASS 1, DIVISION 2, GROUPS BCD T3

Intertek

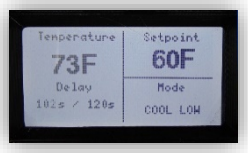
The RT® Series Explosion Proof Roof Top A/C units are engineered and manufactured to provide superior performance in extreme and hazardous conditions. With capacities of 13,500 and 15,000 Btu/hr, these units are idea for roof mounted applications like crane cabins, guard shacks, and other small buildings in hazardous environments. The RT® series units comply with the NEC / NFPA 70 Articles 500-515 and are Third Party Certified by Intertek. Our units undergo rigorous testing and extensive quality control certifications to ensure 100% reliability for our clients.

THE MOST COST EFFECTIVE & PROVEN EQUIPMENT WITH MORE STANDARD FEATURES IN THE INDUSTRY, SERVING IN MORE THAN 40 COUNTRIES AROUND THE WORLD.

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

4112 EVAN BROOKS DRIVE
BATON ROUGE, LA 70814
+1-225-303-0007
WWW.EXPLOSIONPROOF.NET
SALES@EXPLOSIONPROOF.NET

SafeAIRTechnology



BUILD IN OPERATIONAL CONTROLS INCLUDING DIVISION 2 LCD DISPLAY PROVIDING SYSTEM STATUS, MODE, AND SETPOINT ON ALL EXPLOSION PROOF UNIT

AVAILABLE REMOTE MOUNTED CONTROLS

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Standard Unit Details

- Constructed to meet NEC Standards and IEC Equivalent
- Sturdy Plastic housing with small footprint
- Includes ceiling assembly with 8-inch duct with 14x14 opening
- Single Point Power Connection
- Washable, antimicrobial air filter
- Totally Enclosed Fan Motor with Division 2 approved overload
- Low and High Fan Speed
- Dense Insulation Installed to Block Outdoor Noise
- Reduced Operating Noise by Component Vibration Isolation
- Durable Base Pan & Steel Inner Walls
- Environmentally friendly R410A Refrigerant

Standard Controls Details (All Unit XP)

- Anti-Short Cycle Timer Built in to Protect Unit Compressor
- Refrigerant Pressure Safety Circuit (if equipped)
- Manual Reset Heater Limit Safety Circuit (if equipped)
- Remote Start and Stop Contacts Included
- Solid State Design including power and control devices
- Digital Temperature Controller
- Division 2 protection installed for Voltage Fluctuations.
- Quick Connector Installed for easy ceiling assembly connection
- LCD Displays: Room and Set-point Temperature; Mode, Fault Status, Remote Shutdown Status, Compressor Timer, Fan Speed

Standard Controls Details (Condenser Only XP)

- Refrigerant Pressure Safety Circuit (if equipped)
- Mechanical thermostat and Selector Switch
- Quick Connector Installed for easy ceiling assembly connection

ENGINEERED & MANUFACTURED FOR THE MOST EXTREME & HARSH ENVIROPMENTS

- **PETRO-CHEMICAL FACILITIES**
- **OFFSHORE PLATFORMS**
- **HAZARDOUS MATERIAL STORAGE FACILITIES**
- **MILIATY FACILITES AND EQUIPMENT**
- **FERTILIZER STORAGE & MANUFACTURING**
- **WASTEWATER TREATMENT FACILITIES**

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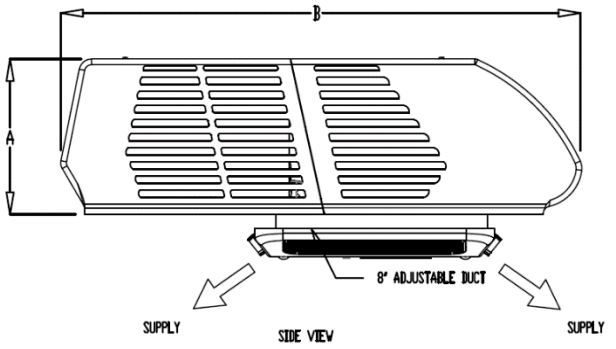
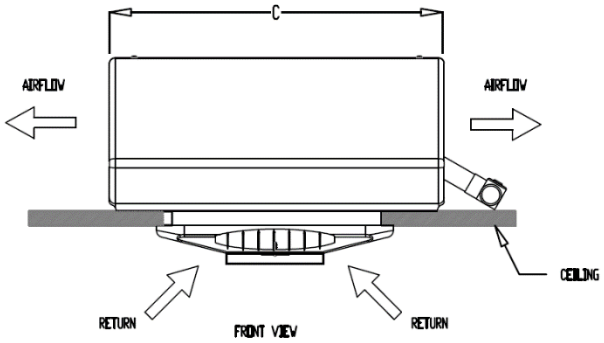
Unit Drawing and Dimensions

ROOFTOP UNITS – 1T = COND. SEC. ONLY, 2T = ALL UNIT, 1 = 120/60 HZ, 25 = 220/50 HZ							
MODEL NUMBER	COOLING CAPACITY (MBH)	AIR FLOW (CFM)	POWER SUPPLY (VOLT / PH / HZ)	MCA (AMPS)	FUSE SIZE (AMPS)	DIMS	WEIGHT (LBS)
RTS2-1MG-13.5D----1T	13.5	310	115 / 1 / 60	17.0	25	A	80
RTS2-1MG-15D----1T	15.0	320	115 / 1 / 60	19.1	30	A	80
RTS2-1MU-13.5D----2T	13.5	310	115 / 1 / 60	17.0	25	A	80
RTS2-1MU-15D----2T	15.0	320	115 / 1 / 60	19.1	30	A	80
RTS2-25MG-13.5C----1T	13.5	300	240 /1 / 50	9.3	15	B	95
RTS2-25MU-13.5C----2T	13.5	300	240 /1 / 50	9.3	15	B	95

DIMS	HEIGTH (INCHES) A	LENGTH (INCHES) B	WIDTH (INCHES) C
A	13.80	38.00	26.10
B	13.25	43.00	29.00





AVAILABLE OPTIONS	
MODEL	DESCRIPTION
H	HERESITE COATED COILS AND COPPER LINES FOR CORROSION PROTECTION IN HAZARDOUS AND CORROSIVE ENVIROPMENTS
A	ADSIL COATED COILS AND COPPER LINES FOR CORROSION PROTECTION IN HAZARDOUS AND CORROSIVE ENVIROPMENTS
S4	304 STAINLESS STEEL HOUSING FOR CORROSION PROTECTION IN CORROSIVE ENVIROPMENTS
S6	316L STAINLESS STEEL HOUSING FOR CORROSION PROTECTION IN CORROSIVE ENVIROPMENTS
P	EPOXY COATED SHEET METAL FOR CORROSION PROTECTION IN CORROSIVE ENVIROPMENTS
C	COPPER TUBE / COPPER FIN CONDENSER AND EVAPORATOR COIL FOR CORROSION PROTECTION IN CORROSIVE ENVIROPMENTS
SVI	REFRIGERATION SERVICE PORTS TO CHECK/CHARGE REFRIGERATION CIRCUIT
X	CUSTOM MODIFICATION (CONTACT OUR SALES DEPARTMENT)

NOTE: PLEASE SEE GENERAL ARRANGEMENT DRAWINGS PROVIDED WITH PROPOSAL FOR ADDITIONAL DETAILS. INFORMATION SUBJECT TO CHANGE WITHOUT NOTICE, PLEASE CONTACT OUR SALES/ENGINEERING TEAM IF YOU HAVE ANY QUESITON, WE WILL BE GLAD TO ASSIST YOU.

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MODEL NUMBER NOMENCLATURE

RT	S	2	-	1	M	U	-	15	D	-	-	-	-	2	T
A	**B**	**C**		**D**	**E**	**F**		**G**	**H**		**I**	**J**		**K**	**L**

DIGIT A: PRODUCT TYPE	
RT	ROOFTOP SYSTEM

DIGIT B: PRODUCT DESIGN	
S	STANDARD DUTY
E	EXTREME DUTY

DIGIT C: PRODUCT SERIES
SAT ASSIGNED BASED ON UNIT DESIGN

DIGIT D: POWER SUPPLY	
1	110VAC/1PH/60HZ
2	208-230VAC/1PH/60HZ
25	220-240VAC/1PH/50HZ

DIGIT E: CONTROLS LOCATION	
M	MOUNTED ON UNIT
R	REMOTE MOUNTED

DIGIT F: CONTROLS RATING	
G	GENERAL PURPOSE
U	RATED WITH UNIT

DIGIT G: COOLING CAPACITY	
15	15 MBH
CAPACITY LISTED IN MBH (1 TON = 12 MBH)	

DIGIT H: REFRIGERANT	
C	R-407C
D	R-410A

DIGIT I: HEAT TYPE	
E	ELECTRIC HEAT GENERAL PURPOSE
X	ELECTRIC HEAT EXPLOSION PROOF
P	HEAT PUMP NO. AUX HEAT
--	NO HEAT INCL.

DIGIT J: HEAT CAPACITY	
10	10,000 WATTS ELECTRIC HEAT
5	5,000 BTU HEAT PUMP
--	N/A

DIGIT K: CLASSIFICATION	
1	CLASS 1, GROUPS BCD, DIVISION 2, T3 CONDENSER SECTION ONLY
2	CLASS 1, GROUPS BCD, DIVISION 2, T3 ENTIRE UNIT
3	CLASS 1, GROUPS CD, DIVISION 1, T3
4	CLASS 1, GROUPS BCD, DIVISION 1, T3
5	GENERAL PURPOSE
6	CUSTOM HAZARDOUS CLASSIFICATION *SEE UNIT DETAILS

DIGIT L: CERTIFICATION	
T	THIRD PARTY CERTIFICATE BY NRTL
C	CERTIFICATE OF CONFORMANCE

OPTIONS									
COIL COATINGS		HOUSING		REFRIGERATION		MECHANICAL		ACCESSORIES	
H	HERESITE COATED COILS	S4	304 STAINLESS STEEL	C	COPPER/COPPER COILS	HG	HOT GAS BYPASS	RMT	RMT. MNT. CONTROLLER
A	ADSIL COATED COILS	S6	316 STAINLESS STEEL	SVI	SERVICE PORTS			D	DISCONNECT
		P	EPOXY COATED						
X	CUSTOM MODIFICATION – PLEASE CONTACT OUR SALES / ENGINEERING DEPT. FOR ADDITIONAL INFORMATION								

NOTE: The nomenclature above is Safe Air Technologies standard Roof Top HVAC system nomenclature. Not all combinations / configurations are NRTL certified as a standard. Please see the models proposed in the previous pages of this catalog for the standard RT® models certified. Please contact our Sales / Engineering department with any questions or request.