

# SafeAIR Technology

## WCSK & WHPSK Series

Window / Thru-Wall Units

50 and 60 Hertz Models Available



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



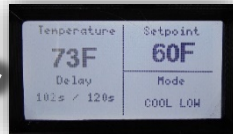
The WCSK® and WHPSK® Series Explosion Proof Window or Thru-Wall A/C units are engineered and manufactured to provide superior performance in extreme and hazardous conditions. Designed for both land-based operations and offshore extreme conditions, the WCSK® and WHPSK® series units comply with the NEC / 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*

# SafeAIR Technology

## MOST ADVANCED CONTROLLER ON THE MARKET



BUILT IN OPERATIONAL CONTROLS INCLUDING DIVISION 2 LCD DISPLAY PROVIDING SYSTEM STATUS, MODE, AND SETPOINT

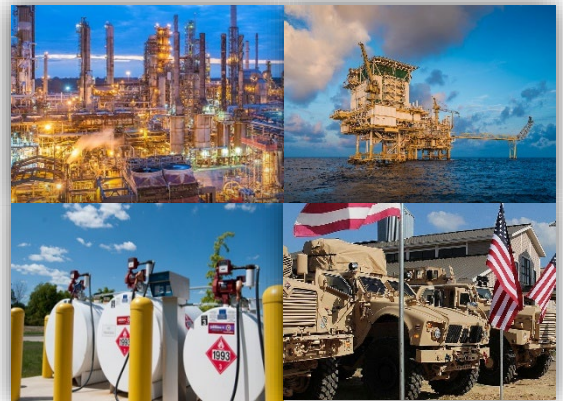


AVAILABLE REMOTE MOUNTED CONTROLS

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## ENGINEERED & MANUFACTURED FOR THE MOST EXTREME & HARSH ENVIRONMENTS



- **PETRO-CHEMICAL FACILITIES**
- **OFFSHORE PLATFORMS**
- **FUEL TRANSFER FACILITIES**
- **HAZARDOUS MATERIAL STORAGE FACILITIES**
- **MILITARY FACILITIES AND EQUIPMENT**
- **FERTILIZER STORAGE & MANUFACTURING**
- **WASTEWATER TREATMENT FACILITIES**

### Standard Unit Details

- Constructed to meet NEC Standards and IEC Equivalent
- Powder Coated 22 Gauge Enamel Coated Housing
- Slide out chassis for permanent style installation
- Power Whip – Can run to left or right side of unit
- Washable, antimicrobial air filter installed
- Hermetically Sealed Refrigeration System
- 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 R410-A Refrigerant

### Standard Controls Details

- Anti-Short Cycle Timer Standard
- Refrigerant Pressure Safety Switch (When Equipped)
- Remote Start and Stop Contacts Included
- Division 2 protection installed for Voltage Fluctuations.
- Digital Controls for precise temperature set point
- LCD Displays: Room and Set-point Temperature; Mode, Fault Status, Remote Shutdown Status, Compressor Timer, Fan Speed



**OFFICES AROUND THE WORLD TO SERVE YOU**



4112 EVAN BROOKS DRIVE  
 BATON ROUGE, LA 70814



+1-225-303-0007



WWW.EXPLOSIONPROOF.NET



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### Unit Specification and Details

COOL ONLY / 60HZ MODELS							
MODEL NUMBER	COOLING CAPACITY (MBH)	AIR FLOW (CFM)	POWER SUPPLY (VOLT / PH / HZ)	MCA (AMPS)	FUSE SIZE (AMPS)	SLEEVE	WEIGHT (LBS)
WCSK2Q-6-1-2T	6.0	190	110 / 1 / 60	5.8	15	Q	72
WCSK2Q-10-1-2T	9.5	250	110 / 1 / 60	10.5	20	Q	72
WCSK2S-10-1-2T	10.0	300	110 / 1 / 60	10.5	20	S	112
WCSK2S-12-1-2T	12.0	300	110 / 1 / 60	11.6	20	S	112
WCSK2S-12-2-2T	12.0	300	208 / 1 / 60	5.9	15	S	116
WCSK2S-14-1-2T	13.6	275	110 / 1 / 60	14.5	25	S	141
WCSK2S-16-2-2T	15.7	330	208 / 1 / 60	8.1	15	S	141
WCSK2M-14-1-2T	13.8	360	110 / 1 / 60	13.4	25	M	138
WCSK2M-18-2-2T	20.0	425	208 / 1 / 60	11.8	20	M	132
WCSK2L-24-2-2T	24.0	640	208 / 1 / 60	13.4	25	L	191
WCSK2L-28-2-2T	28.0	640	208 / 1 / 60	16.3	30	L	193
WCSK2L-36-2-2T	35.0	725	208 / 1 / 60	22.0	35	L	212
COOL ONLY / 50HZ MODELS							
MODEL NUMBER	COOLING CAPACITY (MBH)	AIR FLOW (CFM)	POWER SUPPLY (VOLT / PH / HZ)	MCA (AMPS)	FUSE SIZE (AMPS)	SLEEVE	WEIGHT (LBS)
WCSK2M-14-25-2T	14.7	355	220 / 1 / 50	9.4	15	M	141
WCSK2L-24-25-2T	23.3	535	220 / 1 / 50	12.9	20	L	191

HEAT PUMP / 60HZ MODELS								
MODEL NUMBER	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	AIR FLOW (CFM)	POWER SUPPLY (VOLT / PH / HZ)	MCA (AMPS)	FUSE SIZE (AMPS)	SLEEVE	WEIGHT (LBS)
WHPSK2S-10-1-2T	10.0	8.8	300	208 / 1 / 60	10.8	20	S	109
WHPSK2S-12-2-2T	12.0	9.8	375	208 / 1 / 60	6.1	15	S	115
WHPSK2M-18-2-2T	17.5	14.9	370	208 / 1 / 60	9.1	15	M	141
WHPSK2L-24-2-2T	24.0	21.0	600	208 / 1 / 60	12.6	20	L	197

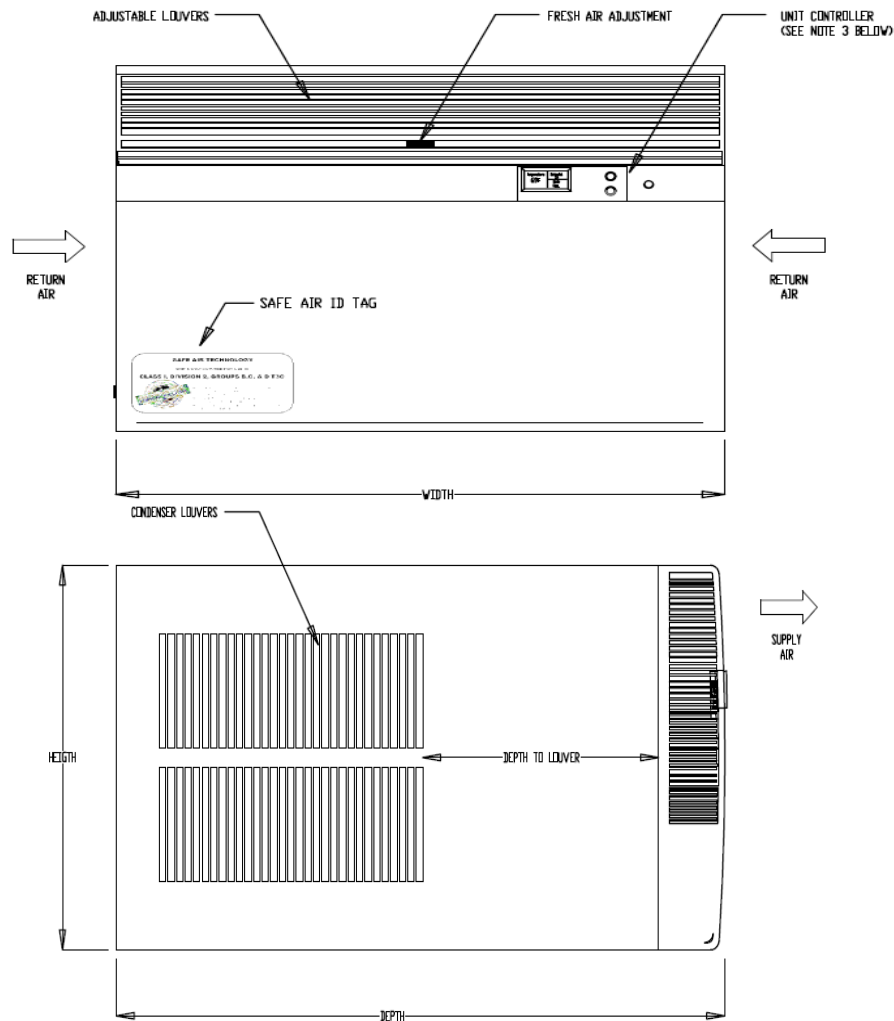
AVAILABLE OPTIONS	
MODEL	DESCRIPTION
H	HERESITE COATED COILS AND COPPER LINES FOR CORROSION PROTECTION IN HAZARDOUS AND CORROSIVE ENVIROPMENTS
A	ADSIL COATED COILS AND COPPER LINES FOR CORROSION PROTECTION IN HAZARDOUS AND CORROSIVE ENVIROPMENTS
S4	304 STAINLESS STEEL HOUSING FOR CORROSION PROTECTION 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)

NOTES: Information subject to change without notice, please contact our sales/engineering team if you have any questions and we will be glad to assist you

# SafeAIR Technology

## Unit Drawing and Dimensions

SLEEVE	HEIGHT (INCHES)	WIDTH (INCHES)	DEPTH W/ FRONT (INCHES)	DEPTH TO LOUVERS (INCHES)	MAX WALL THICKNESS (INCHES)	FINISHED OPENING HEIGHT (INCHES)	FINISHED OPENING WIDTH (INCHES)
Q	14 1/4	19 3/4	21 3/8	8 1/2	6 3/4	14 1/2	20
S	15 15/16	25 15/16	29	8 3/4	5 7/8	16 3/16	26 3/16
M	17 15/16	25 15/16	29	8 3/4	5 7/8	18 3/16	26 3/16
L	20 3/16	28	35 1/2	16 1/2	13 1/4	20 3/8	28 1/4



**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 QUESTION, WE WILL BE GLAD TO ASSIST YOU.**

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## MODEL NUMBER NOMENCLATURE

WCSK	2	S	-	12	-	2	-	1	T
<b>A</b>	<b>B</b>	<b>C</b>		<b>D</b>		<b>E</b>		<b>F</b>	<b>G</b>

DIGIT A: PRODUCT TYPE	
WCSK	SAFETY KING: DIVISION 2
WHPSK	HEAT PUMP SAFETY KING: DIVISION 2
HKXP	COOL ONLY HAZARD KING: DIVISION 1

DIGIT B: PRODUCT SERIES
SAT ASSIGNED BASED ON DESIGN

DIGIT C: SLEEVE
Q
S
M
L

DIGIT D: COOLING CAPACITY	
24	24 MBH
CAPACITY LISTED IN MBH (1 TON = 12 MBH)	

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

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

OPTIONS									
COIL COATINGS		HOUSING		REFRIGERATION / HEAT		MECHANICAL		ACCESSORIES	
H	HERESITE COATED COILS	S4	304 STAINLESS STEEL	C	COPPER/COPPER COILS	HG	HOT GAS BYPASS	D	DISCONNECT
A	ADSIL COATED COILS	S6	316 STAINLESS STEEL	SVI	SERVICE PORT	FAD	FRESH AIR DISABLED	RMT	RMT. MNT. CONTROLLER
		P	EPOXY COATED	EL	1.5 KW ELEC HEAT			D	DISCONNECT
				EH	3.0 KW ELEC HEAT				
X	CUSTOM MODIFICATION – PLEASE CONTACT OUR SALES / ENGINEERING DEPT. FOR ADDITIONAL INFORMATION								

**NOTE: The nomenclature above is Safe Air Technologies standard Window 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 WCSK® and WHPSK® models certified. Please contact our Sales / Engineering department with any questions or request.**