![SafeAIR Technology logo — Keeping Industry Safe for the World]

SafetyKing®- WCSK Series Division 2 / Zone 2

Window/ Through-Wall Explosion Proof Division 2 Air Conditioning Units
Hazardous Location N.E.C. and I.E.C. Approved

50 and 60 Hertz Models

NFPA®
nec®
CSA® C US

Explosion Proof Electric Heat Available as an Option.
Unit Model Nomenclature and Dimensions Will Change
Contact our Sales Team for More Information

Standard Features

- All Electrical Components are **UL and / or CSA Approved**
- Explosion Proof Built-In Operational Controls
- Controls can be Accessed for Fast and Easy Maintenance
- Non Sparking Blower and Condenser Designs
- **N.E.C. Approved XP2 Overload Protection Installed on Motor and Compressor**
- Aluminum Fin and Copper Tube Coils for Maximum Heat Transfer
- Single Point Main Power Connection Port
- **N.E.C. "Certificate of Conformance" Issued**
- Operation, Maintenance & Installation Manuals Included

Offering The Keys to Success:
Quality
Pricing
On Time Delivery

System Description

Safe Air Technology SafetyKing® WCSK Series: Thru–Wall/ Window Units are designed to provide cooling for industrial, severe duty, and marine applications. Our *SafetyKing® WCSK* product line has been carefully engineered and manufactured to ensure a quality product that will provide many years of reliable service.

Safe Air Technology will provide *NEC / IEC "Certificates of Conformance"* for each *SafetyKing® WCSK* 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** 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 and All Copper Lines for Corrosion Protection**
-B	**Group B Classification**
-CC	**Copper Tube and Copper Fin Coils**
-CRT	**Export Crate for Sea/Air Shipping**
-DSI	**Disconnect Switch Installed**
-EPX	**646 Micro Epoxy Coated Housing**
-HCC	**Heresite Coated Coils**
-HG	**Hot Gas Bypass Valve Installed**
-MOD	**Custom Modification (Consult Sales Dept.)**
-RT	**Remote Thermostat**
-SH6	**316 Stainless Steel Housing**
-MG1	**Marine Grade Coating-Option 1**
-MG2	**Marine Grade Coating-Option 2**

Severe Duty Explosion Proof Controls
Sealed from Corrosive Environments

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

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WCSK-Series Safety King® 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)
WCSK-5800-1-ICD2-***	5,800	115/1/60	4.5	12	15	190	Q	72
WCSK-8000-1-ICD2-***	8,000	115/1/60	6.5	12	15	220	Q	72
WCSK-10000-1-ICD2-***	10,000	115/1/60	7.2	12	15	300	S	106
WCSK-12000-1-ICD2-***	12,000	115/1/60	9.5	12	15	300	S	112
WCSK-14000-1-ICD2-***	14,000	115/1/60	11	12	15	360	S	141
WCSK-12000-2-ICD2-***	12,000/ 12,000	230-208/1/60	4.3/ 4.8	12	15	300	S	112
WCSK-13800-2-ICD2-***	13,800/ 13,300	230-208/1/60	5.0/ 5.3	12	15	360	M	141
WCSK-20000-2-ICD2-***	20,000/ 20,000	230-208/1/60	9.3/ 10.2	12	15	425	M	141
WCSK-24000-2-ICD2-***	24,000/ 24,000	230-208/1/60	10.2/ 11.1	12	20	640	L	191
WCSK-28000-2-ICD2-***	28,000/ 28,000	230-208/1/60	13.1/ 14.1	12	20	640	L	293
WCSK-36000-2-ICD2-***	36,000/ 35,500	230-208/1/60	17.5/ 19.2	10	30	725	L	212

WCSK-Series Safety King® 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)
WCSK-12000-2(50)-ICD2-***	12,000	220-240/1/50	5.0	12	15	320	A	65
WCSK-18000-2(50)-ICD2-***	18,000	220-240/1/50	13.2	12	15	450	C	100
WCSK-24000-2(50)-ICD2-***	24,000	220-240/1/50	13.0	12	15	547	C	100

NOTES:
(1) See Safety King® Nomenclature for Unit ID (Pg. 5)
(2) THHN 75ºC Copper Wire
(3) Delay Fuse or Approved Circuit Breaker
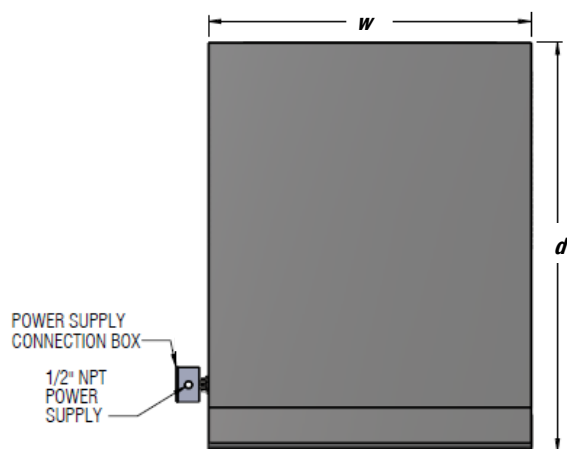(***) Options that can be added. See Page 2 (* NEC Group "B" Available Upon Request)

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.

225.303.0007
sales@explosionproof.net
www.explosionproof.net
4133 Evan Brooks Drive
Baton Rouge, Louisiana 70814

WCSK-Series Safety King® Cabinet Measurements

Housing	Height	Width	Depth With Front	Depth Hood to Louvers	Minimum Extension into Room	Minimum Extension Outside
Q	14-1/4	19-3/4	21-3/8	8-1/2	5-1/2	10-3/4
S	15-15/16	25-15/16	29	8-3/4	5-3/4	16-15/16
M	17-15/16	25-15/16	29	8-3/4	5-3/4	16-15/16
L	20-3/16	28	35-1/2	16-1/2	5-3/8	18-15/16

<u>Note:</u>

Add 1/4" to the Height and Width of the Housing for the Wall Cutout Size

TOP

POWER SUPPLY CONNECTION BOX

1/2" NPT POWER SUPPLY

FRONT

SIDE

CONDENSER LOUVERS

SUPPLY AIR

RETURN AIR
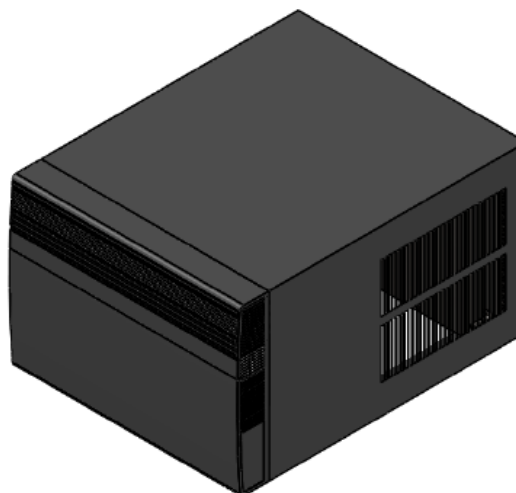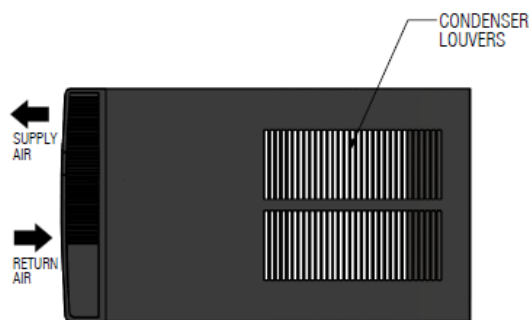
Note: Dimensions Subject to Change, Contact the Sales Engineering Department for Updated Dimensions

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WCSK Shipping Weights and Dimensions

60 Hertz Units

Model 60 Hz	Packaging Code
WCSK-5800-1-ICD2-***	A
WCSK-8000-1-ICD2-***	B
WCSK-10000-1-ICD2-***	B
WCSK-12000-1-ICD2-***	B
WCSK-14000-1-ICD2-***	B
WCSK-12000-2-ICD2-***	B
WCSK-13800-2-ICD2-***	B
WCSK-20000-1-ICD2-***	C
WCSK-24000-2-ICD2-***	C
WCSK-28000-2-ICD2-***	D
WCSK-36000-2-ICD2-***	D

50 Hertz Units

Model 50 Hz	Packaging Code
WCSK-12000-2(50)-ICD2-***	A
WCSK-18000-2(50)-ICD2-***	B
WCSK-24000-2(50)-ICD2-***	B

Standard Packaging

Single and Double Export Crate

WCSK Packaging Information

Packaging Code	Standard Packaging Data				Single Crate Data				Double Crate Data			
	Length	Width	Height	Weight	Length	Width	Height	Weight	Length	Width	Height	Weight
A	48"	40"	26"	150 LBS	46"	36"	40"	300 LBS	46"	36"	68"	500 LBS
B	48"	40"	30"	200 LBS	46"	36"	40"	350 LBS	46"	36"	68"	600 LBS
C	48"	40"	32"	230 LBS	46"	36"	40"	380 LBS	46"	36"	68"	660 LBS
D	48"	40"	34"	300 LBS	46"	36"	40"	450 LBS	46"	36"	68"	800 LBS

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WCSK-Series Safety King® Nomenclature Guide

WCSK - 11500 - 2 - ICD2 -***

SafetyKing® Design

WCSK= Window or Thru-Wall
Cool only Division 2

Cooling Capacity

Example: 11500 BTU/HR

Power Supply

1 = 120/1/60 Hz

2 = 208-230/1/60 Hz

2(50) = 220-240/1/50 Hz

Classification

N.E.C. National Electric Code Classification

ICD2= Class I, Groups C & D, Division 2
IBCD2= Class I, Groups B, C, & D, Division 2

I.E.C. International Electric Code Classification

IIA & IIB = Zone 2, T-3, II

Unit Options

-ADC = Adsil Coated Coils

-B = Group B Classification

-CC = Copper/Copper Coils Installed

-CRT = Export Crate Sea or Air

-DSI = Disconnect Switch Installed

-EPX = Epoxy Coated Metal

-HCC = Heresite Coated Coils

-HG = Hot Gas By Pass Valve Installed

-MOD = Custom Modification (See Sales)

-RT = Remote Thermostat

-SH6 = 316 Stainless Steel Housing

-MG1= Marine Grade Option 1– Marine Grade Coated Copper and Coils

-MG2 = Marine Grade Option 2– Marine Grade Coated Copper, Coils, and Sheet Metal

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.

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United States	**U.A.E.**	**Singapore**