



**Explosion Proof Division 2 Hazardous Location
N.E.C. and I.E.C. Approved Room Air Conditioners**

SafetyKing® - WCSK Series Div. 2

WCSK Series 50 & 60 Hertz

WCSK series Window or THRU-Wall A/C 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.



Standard Features

- All Electrical Components are **UL & 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



SAFE AIR TECHNOLOGY

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

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System Description

Safe Air Technology WCSK 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
- 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 or Air Shipping
- **-EPX** 646 Micro Epoxy Coated Housing
- **-FAL** Low Volume Fresh Air Intake
- **-HCC** Heresite Coated Coils
- **-HG** Hot Gas by Pass Valve Installed
- **-MOD** Custom Modification (See Sales)
- **-SH4** 304 Stainless Steel Housing
- **-SH6** 316 Stainless Steel Housing
- **-SVI** Services Ports Installed
- **-RMT** Remote Control Box

NOTE:

If an option you require do to your specifications is not listed, please contact our Sales Engineering Department. We will be happy to work with you to insure our system fully compiles with your specifications.



Severe Duty Explosion Proof Controls
Sealed from Corrosive Environments



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

WCSK-Series Safety King® [60 Hz.]

N.E.C. & I.E.C. Rated and Approved

Class I, Groups B*, C & D, Division 2

Model (1) 60 Hertz	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-5500-1-ICD2-***	5,500	115 / 1 / 60	4.5	12	15	190	Q	78
WCSK-5900-1-ICD2-***	6,000	115 / 1 / 60	4.9	12	15	190	Q	84
WCSK-7500-1-ICD2-***	7,500	115 / 1 / 60	6.1	12	15	240	Q	84
WCSK-7900-1-ICD2-***	7,900	115 / 1 / 60	6.1	12	15	265	S	121
WCSK-9500-1-ICD2-***	9,500	115 / 1 / 60	7.7	12	15	260	S	136
WCSK-12000-1-ICD2-***	12,000	115 / 1 / 60	10	12	15	300	S	136
WCSK-14000-1-ICD2-***	14,000	115 / 1 / 60	12	12	15	325	S	133
WCSK-14800-1-ICD2-***	14,800	115 / 1 / 60	12	12	15	360	M	154
WCSK-11500-2-ICD2-***	11,500 / 11,200	230-208 / 1 / 60	4.8 / 4.9	12	15	275	S	134
WCSK-14500-2-ICD2-***	14,500 / 14,300	230-208 / 1 / 60	6.4 / 6.8	12	15	360	S	136
WCSK-17500-2-ICD2-***	17,500 / 17,300	230-208 / 1 / 60	7.4 / 8.0	12	15	350	M	158
WCSK-20800-2-ICD2-***	20,800 / 20,700	230-208 / 1 / 60	9.4 / 10.3	12	15	425	M	153
WCSK-24000-2-ICD2-***	23,500 / 23,300	230-208 / 1 / 60	11.2 / 11.9	12	20	640	M	167
WCSK-27800-2-ICD2-***	27,800 / 27,000	230-208 / 1 / 60	13.5 / 14.4	12	20	600	L	214
WCSK-36000-2-ICD2-***	36,000 / 35,700	230-208 / 1 / 60	19.0 / 20.5	10	30	725	L	227

Notes:

(1) See **Safety King®** Nomenclature for Unit ID (Page 5)

(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 on Request*)

Contact our Sales Department should your specifications require a variation on our standard units.

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 should be above the rating of the equipment.

WCSK Series SafetyKing® Cabinet Measurements							IMPORTANT Add 1/4" to the Width and Height of the Housing for Wall Cut Out Size.
Housing	Height	Width	Depth With Front	Depth Hood to Louvers	Minimum Extension Into Room	Minimum Extension Outside	
Q	14	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	

*** All Dimensions in Inches *** Unit dimensions subject to change. Please contact factory for information



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

WCSK Series Safety King® [50 Hz.] **N.E.C. & I.E.C. Rated and Approved** **Class I, Groups B*, C & D, Division 2**

Model (1) 50 Hertz	BTU/HR Cooling	Power Supply Volts / Ph / Hz.	Cooling Amps	Wire Size (2)	Fuse Size (3)	Air Flow CFM	Housing Size	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 (Page 5)

(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 on Request.

Contact our Sales Department should your specifications require a variation on our standard units.

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 should be above the rating of the equipment.



Safe Air Technology
United States



Safe Air Technology
U.A.E.



Safe Air Technology
Singapore



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Weight and Dimensions for Shipping

WCSK-Series Safety King® [60 Hz.]

Model	Packaging Code
WCSK-5500-1-ICD2	A
WCSK-5900-1-ICD2	A
WCSK-7500-1-ICD2	A
WCSK-7900-1-ICD2	B
WCSK-9500-1-ICD2	B
WCSK-12000-1-ICD2	B
WCSK-14000-1-ICD2	B
WCSK-14800-1-ICD2	C
WCSK-11500-2-ICD2	B
WCSK-14500-2-ICD2	B
WCSK-17500-2-ICD2	C
WCSK-20800-2-ICD2	C
WCSK-24000-2-ICD2	C
WCSK-27800-2-ICD2	D
WCSK-36000-2-ICD2	D



STANDARD PACKAGING

WCSK-Series Safety King® [50 Hz.]

Model	Packaging Code
WCSK-1200-2(50)-1CD2	A
WCSK-18000-2(50)1CD2	B
WCSK-24000-2(50)1CD2	B



SINGLE AND DOUBLE EXPORT CRATE

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



WCSK - 11500 - 2 - ICD2 - ***

SafetyKing® Designs

WCSK = Window or THRU-
WALL Cool Only Division 2 Units

Cooling Capacity

Example 1 x 11500(BTU/HR)

Power Supply

1 = 120 / 1 / 60 Hz.
2 = 208-230 / 1 / 60 Hz.
2(50) = 220-240 / 1 / 50 Hz.

I.E.C. National Electrical Code Classification

ICD2 = Class 1, Groups C & D, Division 2
IBCD2 = Class 1, Groups B, C & D, Division 2

N.E.C. National Electrical Code Classification

IIA & IIB = Zone 2, T-3 IIA & IIB
IIA, IIB, IIC = Zone 2, T-3 IIA, IIB, IIC
Contact SAT Engineering for Details on N.E.C. Codes
and Requirements

Options Listed at End of Model Number

-ADC = Adsil Coated Coils (ADC)
-B = Group B Classification (B)
-CC = Copper/Copper Coils Installed (CC)
-CRT = Export Crate Sea or Air (CRT)
-EPX = Epoxy Coated Metal (EPX)
-FAL = Low Volume Fresh Air Intake (FAL)
-HCC = Heresite Coated Coils (HCC)
-HG = Hot Gas By Pass Valve Installed (HG)
-MOD = Custom Modification (See Sales) (MOD)
-SH4 = 304 Stainless Steel Housing (SH4)
-SH6 = 316 Stainless Steel Housing (SH6)
-SVI = Service Ports Installed (SVI)
-RMT = Remote Control Box (RMT)