

# **HAZARDGARD<sup>®</sup>**

## **HAZARDOUS LOCATION ROOM AIR CONDITIONERS**

UL Listed for Class I, Division 2, Groups A, B, C, D Hazardous Locations



**Friedrich<sup>®</sup>**

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A M E R I C A ' S   B E S T   A I R   C O N D I T I O N E R



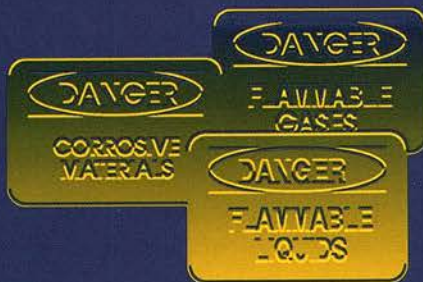
**Friedrich®**

**HAZARDGARD®**

## Room Air Conditioners



The Only  
Room Air  
Conditioner  
UL Listed for  
Use in Class I,  
Division 2,  
Groups A, B,  
C and D  
Hazardous  
Locations



Friedrich HAZARDGARD® room air conditioners are designed to meet the United States National Electric Code, Article 500, requirements for Class I, Division 2, Groups A, B, C, and D Hazardous Locations and are the ONLY air conditioners UL Listed for this application.

They are designed to cool living quarters and other enclosures situated in hazardous locations

where specific volatile flammable liquids or gases are handled or used within enclosed containers or systems.

HAZARDGARD® units have many of the same outstanding quality features as our regular room air conditioners.

A M E R I C A ' S B E S T



# Designed to Cool Living Quarters and Other Enclosures Situated in Hazardous Locations

## Where Specific Volatile Flammable Liquids or Flammable Gases Are Handled or Used Within Closed Containers or Systems

### TYPICAL AREAS WHERE HAZARDGARD® UNITS SHOULD BE INSTALLED

Offshore oil rigs and on shore oil company offices

Refineries

Petrochemical sites

Propane fill-up stations

Paint and varnish storage or processing plants

Munitions plants or armories

Grain alcohol processors or storage sites

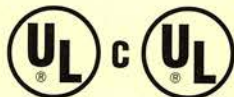
Any plant areas using strong solvents or chemicals

Grain storage areas and silos where fine particles create a volatile atmosphere

PVC or plastics plants and processing points

Furniture refinishing/stripping workshops

Fertilizer plants and office complexes where methane is a by-product



## HAZARDGARD®

### Safety Features

- Permanent split capacitor, totally enclosed fan motor to assure efficient operation even under adverse electrical conditions.
- Fan motor has a hermetically sealed overload for arc free operation.
- Run capacitor withstands voltage overloads up to 440 volts.
- Solid-state printed circuit board insulated against corrosion on conductor paths.
- Hermetically sealed refrigeration system.
- Hot gas by-pass low ambient control to permit operation without freezing at outdoor ambient temperatures as low as 45° F.
- Environmentally sealed on/off switch and gold plated contacts in thermostat for corrosion resistance.
- Utilizes direct-wired 15 amp circuit with time-delay fuse that will tolerate surge current without tripping the breaker.

A I R C O N D I T I O N E R

# HAZARDGARD®

230/208 VOLT • 60 HERTZ • 1 PHASE

## SPECIFICATIONS

### COOLING PERFORMANCE

Model	Cooling Capacity BTU/Hr.- AHAM	Electrical Characteristics (60 Hertz)			EER-Energy Efficiency Ratio AHAM	Moisture Removal Pints/ Hr.	Air Direction Controls	Room Side Air Circulation CFM
		Volts Rated	Amps AHAM	Watts				
SH14J30A	14000/14000	230/208	7.8/8.5	1750/1750	<b>8.0/8.0</b>	4.0	8-way	375
SH20J30A	19000/18800	230/208	9.9/10.8	2235/2210	<b>8.5/8.5</b>	5.7	8-way	425

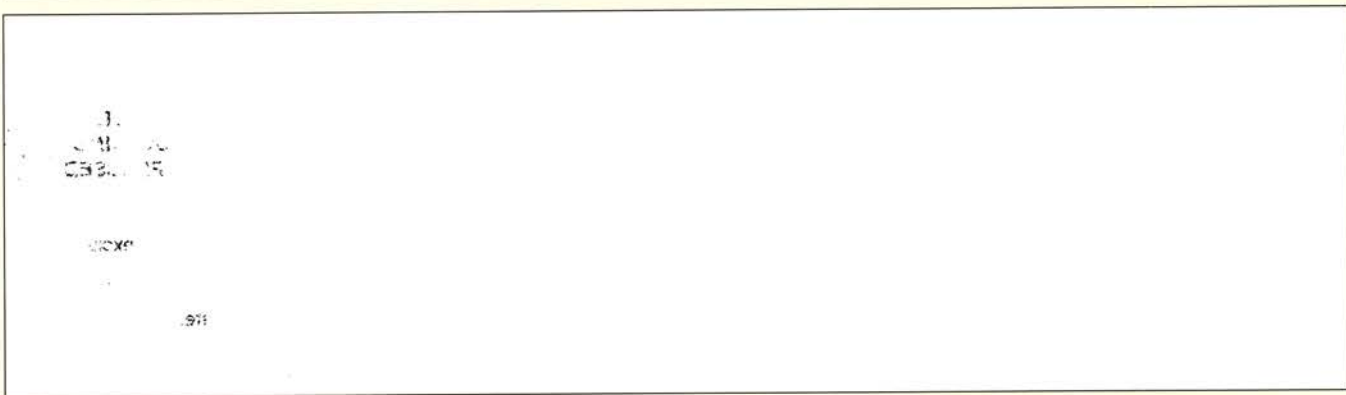
### INSTALLATION INFORMATION

Model	Dimensions (Inches)						Window Width (Inches)		Thru-The-Wall Finished Hole (Inches)		Circuit Rating Breaker or T - D Fuse	Weight Lbs.		
	Height	Width	Depth Overall	Depth Hood to Louvers	Minimum Extension Into Room	Minimum Extension Outside	Minimum	Maximum	Height	Width		Volts - Amps		Net
											Volts	Amps		
SH14J30A	15 <sup>15/16</sup>	25 <sup>15/16</sup>	27 <sup>3/8</sup>	9 <sup>3/16</sup>	3 <sup>1/16</sup>	16 <sup>15/16</sup>	27 <sup>7/8</sup>	42	16 <sup>3/16</sup>	26 <sup>3/16</sup>	250V - 15A		140	152
SH20J30A	17 <sup>15/16</sup>	25 <sup>15/16</sup>	27 <sup>3/8</sup>	9 <sup>3/16</sup>	3 <sup>1/16</sup>	16 <sup>15/16</sup>	27 <sup>7/8</sup>	42	18 <sup>3/16</sup>	26 <sup>3/16</sup>	250V - 15A		166	179

Due to continuing engineering research and technology, specifications are subject to change without notice.  
 Manufactured under U.S. Design Patent DES 368, 306 decorative front; Utility Patents 5, 622, 058 and 5, 732, 565

MAXIMUM TEMPERATURE RATING FOR CLASS I, DIVISION 2, GROUPS A,B,C,D

OPERATING TEMPERATURE CODE T3B - 329°F (160°C)



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RS-899



The consumer - through the AHAM Room Air Conditioner Certification Program - can be certain that the AHAM Certification Seal accurately states the unit's cooling capacity rating, the amperes and the energy efficiency ratio.

Printed in U.S.A.