



FRIEDRICH

1883



Madison
Your Appliance Authority™



800-570-3355

HAZARDOUS LOCATION ROOM AIR CONDITIONERS

UL LISTED
CLASS I,
GROUPS
HAZARDOUS



UL APPROVED / AHAM RATED

Friedrich Hazardgard® room air conditioner is UL listed for use in Class I, Division 2, Groups A, B, C and D hazardous locations.

Hazardgard® is specifically designed to cool living quarters, storage areas and other enclosures situated in hazardous locations, where specific volatile flammable liquids or gases are handled or used within enclosed containers or systems.

For more than 30 years, the Friedrich Hazardgard® has endured some of the toughest and most unforgiving operating conditions imaginable. Time-tested in the field where it counts, Hazardgard® is trusted by professionals who have to get the job done.

Durability features for dependable operation



UNIT UTILIZES DIRECT-WIRED, 15-AMP CIRCUIT WITH TIME-DELAY FUSE THAT WILL TOLERATE SURGE CURRENT WITHOUT TRIPPING THE BREAKER.



DIAMONBLUE TECHNOLOGY ANTI-CORROSIVE TREATMENT PROVIDES ADDED ENDURANCE AND PROTECTION IN COASTAL OR CORROSIVE ENVIRONMENTS.



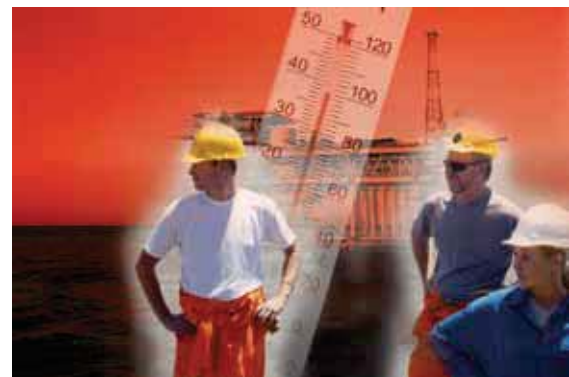
LARGER, COMMERCIAL GRADE, ENCLOSED FAN MOTOR WITH HERMETICALLY SEALED OVERLOAD FOR ARC-FREE OPERATION. TOTALLY ENCLOSED TO ASSURE EFFICIENT OPERATION UNDER ADVERSE ELECTRICAL CONDITIONS.



HERMETICALLY SEALED RECIPROCATING COMPRESSOR IS COOLED DURING THE REFRIGERATION CYCLE, WHICH ALLOWS THE UNIT TO TOLERATE HIGHER OUTDOOR TEMPERATURES UP TO 130° F.



20 GAUGE STEEL IS USED IN ORDER TO CREATE A MORE ROBUST AIR CONDITIONER CABINET THAT WILL WITHSTAND YEARS OF HARD USE.



BUILT FOR EXTREME TEMPERATURES AND CONDITIONS





Built to perform in the harshest environments.

- Offshore oil rigs, on-shore oil company offices and refineries
- Petrochemical sites and propane fill-up stations
- Paint and varnish storage or processing plants
- Grain alcohol processors or storage sites
- Plant areas using strong solvents or chemicals
- Munitions plants or armories
- PVC or plastics plants and processing points
- Recycling plants
- Furniture refinishing/stripping workshops
- Fertilizer plants
- Office complexes where methane is a by-product
- Hazardous materials storage



PERMANENT SPLIT CAPACITOR

HERMETICALLY SEALED
REFRIGERATION SYSTEM

ENVIRONMENTALLY SEALED ON/
OFF SWITCH AND GOLD PLATED
CONTACTS IN THERMOSTAT FOR
CORROSION RESISTANCE.

SOLID-STATE CONTROL RELAYS
FOR COMPRESSOR AND FAN
OPERATION.

HOT GAS BYPASS ALLOWS THE AIR
CONDITIONER TO OPERATE AT LOW
AMBIENT CONDITIONS WITHOUT
FREEZING AT OUTDOOR AMBIENT
TEMPERATURES AS LOW AS 45° F.

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Hazardgard also meets
the U.S. National Electric
Code, Article 500
requirements for Class 1,
Division 2, Groups A, B, C
and D Hazardous locations.

Built tough

Friedrich air conditioners can be found in some of the world's toughest locations. Oil companies rely on us to cool offshore oil rigs in the most extreme conditions, and military bases and government offices all over the world choose Friedrich. Industrial and high tech leaders also trust Friedrich commercial grade products for their applications.



HAZARDOUS LOCATION ROOM AIR CONDITIONERS

Specifications

Model	Cooling Capacity (Btu - AHAM)	Electrical Characteristics (60 Hertz)			Energy Efficiency Ratio AHAM EER	Moisture Removal (Pints/ Hr.)	Air Direction Controls	Room Side Air Circulation CFM
		Volts Rated	Amps AHAM	Watts				
SH15M30	14500/14000	230/208	6.9/7.5	1495/1443	9.7/9.7	6.0	8-way	375
SH20M30	19500/19000	230/208	8.7/9.6	2074/2021	9.4/9.4	4.0	8-way	375

Installation Information

Model	Dimensions (Inches)						Window Width (Inches)		Thru-The-Wall Finished Hole (Inches)			Circuit Rating Breaker or T - D Fuse Volts - Amps	Weight (Lbs.)	
	Height	Width	Depth Overall A	Depth J Box to Louvers B	Minimum Extension Into Room	Minimum Extension Outside	Min.	Max.	Height	Width	Max. Depth C		Net	Shipping
SH15M30	15 15/16"	25 15/16"	27 3/8"	6"	3 1/16"	16 15/16"	27 7/8"	42"	16 3/16"	26 3/16"	6"	250V - 15A	140	167
SH20M30	17 15/16"	25 15/16"	27 3/8"	6"	3 1/16"	16 15/16"	27 7/8"	42"	18 3/16"	26 3/16"	6"	250V - 15A	166	170

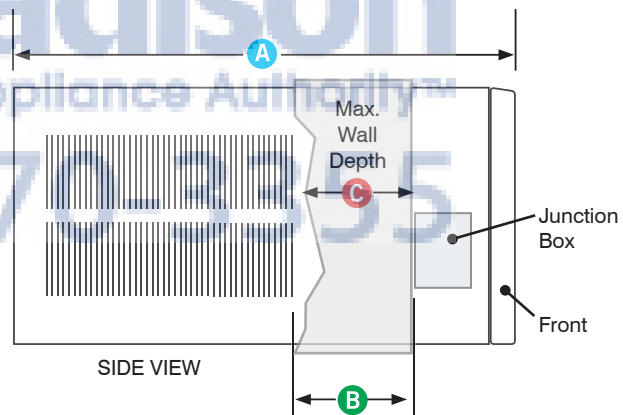
Due to continuing engineering research and technology, specifications are subject to change without notice. Manufactured under U.S. Design Patent DES 368, 306 decorative front; Utility Patent 5, 622, 058. MAXIMUM outdoor ambient operating temperature is 130°F. MAXIMUM TEMPERATURE RATING FOR CLASS I, DIVISION 2, GROUPS A,B,C,D.

OPERATING TEMPERATURE CODE T3B



STANDARD ON ALL MODELS.
This advanced corrosion protection treatment protects the outdoor coil against deterioration and extends the life of the unit especially in harsh coastal environments.

Sleeve Dimensions Drawing



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