



HAZARDGARD
HAZARDOUS DUTY AIR CONDITIONERS





This is the ONLY room air conditioner that meets the United States National Electric Code, Article 500, requirements for Class I, Division 2, Groups A, B, C, and D Hazardous Locations. It is 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. Robust engineering with design details like 33% thicker fins extend the life of the coil. Diamonblue Technology, our anti-corrosive treatment, provides added endurance and protection in coastal or corrosive environments.



Direct wire connection

Utilizes direct-wired, 15-amp circuit with time-delay fuse that will tolerate surge current without tripping the breaker.



Hermetically sealed reciprocating compressor

The compressor motor is cooled during the refrigeration cycle, which allows the unit to tolerate higher outdoor temperatures.



Heavy gauge steel

20 gauge steel is used in order to create a more robust air conditioner cabinet that will withstand years of hard use.



Enclosed fan motor

Larger, commercial grade fan motor with hermetically sealed overload for arc-free operation. Totally enclosed to assure efficient operation under adverse electrical conditions.



Diamonblue Technology

Anti-corrosive treatment provides added endurance and protection in coastal or corrosive environments.



“This air conditioner is made like a tank.”

– Patrick Kendrick
Project Engineer
Friedrich Air Conditioning

advanced features for safety and durability

Permanent split capacitor and totally enclosed fan motor to ensure efficient operation— even under adverse electrical conditions.

Enclosed fan motor has hermetically sealed overload for arc-free operation.

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.

built **tough**

rugged, commercial grade components.
heavy gauge steel cabinets.
state-of-the-art manufacturing.
engineered to perform better and last longer.

Durable, commercial grade quality that lasts

Friedrich air conditioners are a SUPERIOR PRODUCT built from high grade materials and components that deliver DEPENDABLE OPERATION for years after your purchase.

Trusted performance from a trusted company

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. If we can handle all of these jobs, just think how we'll perform for yours.



QUALITY

ideal applications

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



Specifications

| Model | Cooling Capacity (BTU/Hr.- AHAM) | Electrical Characteristics (60 Hertz) | | | Energy Efficiency Ratio AHAM | Moisture Removal | Air Direction Controls | Room Side Air Circulation |
|---------|-------------------------------------|---------------------------------------|-----------|-----------|---------------------------------|---------------------|---------------------------|------------------------------|
| | | Volts Rated | Amps AHAM | Watts | EER | (Pints/ Hr.) | | CFM |
| SH15L30 | 15000/15000 | 230/208 | 7.9/8.7 | 1765/1765 | 8.5/8.5 | 4.0 | 8-way | 375 |
| SH20L30 | 19800/19500 | 230/208 | 10.0/10.9 | 2200/2167 | 9.0/9.0 | 5.7 | 8-way | 375 |

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 | Min | Max | Height | Width | Volts - Amps | Net | Shipping |
| SH15L30 | 15 15/16 | 25 15/16 | 27 3/8 | 9 3/16 | 3 1/16 | 16 15/16 | 27 7/8 | 42 | 16 3/16 | 26 3/16 | 250V - 15A | 140 | 152 |
| SH20L30 | 17 15/16 | 25 15/16 | 27 3/8 | 9 3/16 | 3 1/16 | 16 15/16 | 27 7/8 | 42 | 18 3/16 | 26 3/16 | 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 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

