

# Hazardous Duty AIR CONDITIONERS



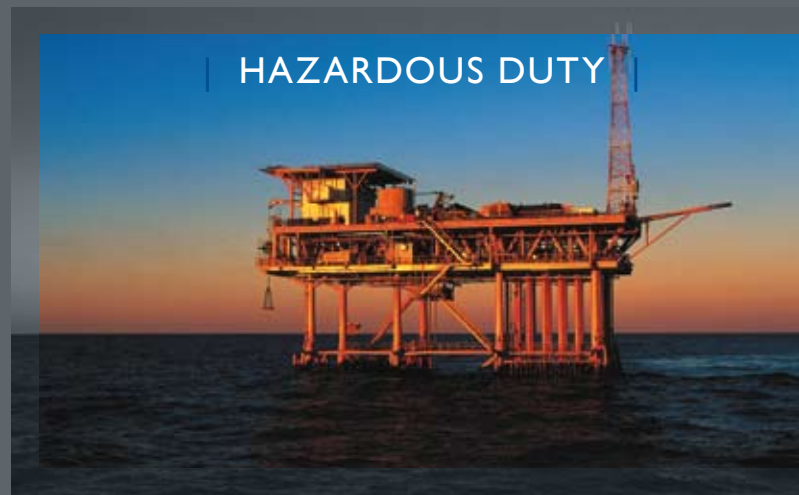
2009 | COOL ONLY |

**Friedrich**



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.



## 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



# Durability features for dependable operation in the harshest environments.



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

Hot gas bypass allows the air conditioner to operate at low ambient conditions without freezing at outdoor ambient temperatures as low as 45° F.



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

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



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.

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.

## BUILT TOUGH

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

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



## Hazardous Duty AIR CONDITIONERS

### Specifications

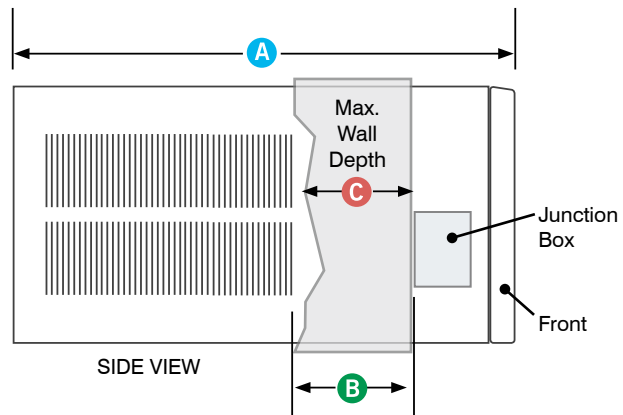
Model	Cooling Capacity (BTU/Hr. - AHAM)	Electrical Characteristics (60 Hertz)			Energy Efficiency Ratio AHAM	Moisture Removal	Air Direction Controls	Room Side Air Circulation
		Volts Rated	Amps AHAM	Watts	EER	(Pints/ Hr.)		CFM
SH15L30	15000/15000	230/208	7.9/8.7	1765/1765	8.5/8.5	4.0	8-way	375
SH20L30	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 <b>A</b>	Depth J Box to Louvers <b>B</b>	Minimum Extension Into Room	Minimum Extension Outside	Min.	Max.	Height	Width	Max. Depth <b>C</b>	Volts - Amps	Net	Shipping
SH15L30	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	152
SH20L30	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	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



**DiamondblueTechnology**  
PROTECTS AGAINST CORROSION AND EXTENDS THE LIFE OF THE UNIT

#### 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.

