

PURCHASER	P.O. #	DATE
PROJECT	LOCATION	
ENGINEER	ARCHITECT	
SUBMITTED BY	FOR APPROVAL	FOR REFERENCE

ITEM	PLAN DESIGNATION	QUANTITY	COOLING BTU/H	VOLTAGE	FRIEDRICH MODEL

UL LISTED FOR CLASS 1, DIVISION 2,
 GROUPS A, B, C AND D HAZARDOUS LOCATIONS.

IEC CERTIFIED FOR CLASS 1, ZONE 2,
 GROUPS IIA, IIB AND IIC HAZARDOUS LOCATIONS.

Features

- Direct wire connection
- Utilizes direct-wired, 15-amp circuit with time-delay fuse
- Hermetically sealed reciprocating compressor
- 20 gauge steel cabinet
- Larger, commercial grade fan motor with hermetically sealed overload for arc-free operation
- Permanent split capacitor and totally enclosed fan motor
- 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 relays for compressor and fan operation
- Hot gas bypass allows the air conditioner to operate at low ambient conditions without freezing
- T4 temperature classification
- Diamonblue™ advanced corrosion protection on the outdoor coil provides added endurance and protection in coastal or corrosive environments



Specifications

Model	Electrical Characteristics				Energy Efficiency Ratio EER	Moisture Removal Pints/HR	Air Direction Controls	Air Circulation CFM	Refrigerant
	Cooling Capacity		Cooling Amps	Cooling Watts					
	Btu	Volts Rated							
60 HERTZ - NORTH AMERICA									
SH15M30A	14500/14000	230/208	6.9/7.5	1495/1443	9.7/9.7	6.0	8-way	375	R-410A
SH20M30A	20000/19000	230/208	8.7/9.6	2125/2021	9.4/9.4	4.0	8-way	375	R-410A
50 HERTZ - INTERNATIONAL									
SH20M50A	19500/19100	240/220	9.8/10.3	2167/2156	9.0/9.0	5.6/5.5	8-way	425	R-410A

Installation Information

Model	Dimensions INCHES						Window Width INCHES		In-Wall Installation Finished Hole INCHES			Circuit Rating Breaker or T - D Fuse		Weight Lbs.	
	Height	Width	Depth with Front	Depth J Box to Louvers	Minimum Extension Into Room	Minimum Extension Outside	Min.	Max.	Height	Width	Max. Depth C	Volts - Amps	Net	Shipping	
			A	B											
SH15M30A	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-15	140	167	
SH20M30A	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-15 (230V) 250V-20 (208V)	166	170	
SH20M50A	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-15	171	175	

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.

T4 temperature classification means unit surface temperatures will not rise above 135° C/275° F. Operates at low ambient conditions without freezing at outdoor ambient temperatures as low as 7° C/45° F. Tolerates higher outdoor temperatures up to 55° C /130° F.

Equipment is certified in accordance with ISA 12.12.01 and NFPA 70-10 (National Electric Code)

ARTICLE 501

Class I, Div. 2, Group A and Group B
Class I, Div. 2, Group B

Class I, Div. 2, Group C
Class I, Div. 2, Group D

ARTICLE 505

Class I, Zone 2, Group IIC
Class I, Zone 2, Group IIB plus hydrogen, or "+H2"
Class I, Zone 2, Group IIB
Class I, Zone 2, Group IIA

Sleeve Dimensions Drawing

