

Hazardgard®

Engineered to Perform in the Harshest Environments



Introducing New IECEx/ATEX Models

- UL Listed for Class 1, Division 2, Groups A,B,C & D
- IECEx Certified,  Ex nA nC II C T4 Gc
- ATEX Certified,   II 3 G Ex nA nC IIC T4 Gc

- Hermetically sealed reciprocating compressor
- Enclosed fan motor with hermetically sealed overload for arc-free operation
- Hot gas bypass allows low ambient operation [as low as 45° F (7°C)]
- Environmentally sealed on/off switch and gold plated contacts in thermostat for corrosion resistance
- 22-gauge, G60 steel air conditioner cabinet is powder coated for corrosion protection



Hazardous Location
Room Air Conditioners



FRIEDRICH

Hazardgard®

Specifications

Model	Cooling Capacity (Btu/Hr.)	Volts Rated	Cooling Amps	Cooling Watts	Energy Efficiency Ratio (EER)	Moisture Removal Pints/ HR	Air Direction Controls	Air Circulation (CFM)	Refrigerant
60 HERTZ - PERFORMANCE									
SH24N20AT	24000/23700	230/208/60	12.6/13.5	2727/2788	8.8/8.5	8.20/7.5	8-way	385	R-410A
50 HERTZ - PERFORMANCE									
SH24N20AT	21000/20500	240/220-50	15.0/13.2	2600/2412	8.1/8.5	7.0/7.0	8-way	360	R-410A
SH20N50AT	19500/19100	240-220-50	9.8/10.3	2167/2156	9.0/9.0	5.6/5.5	8-way	425	R-410A

Installation Information

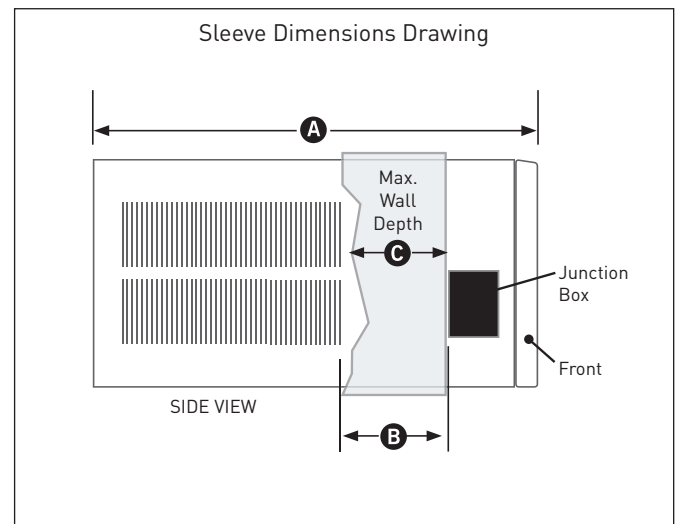
Model	Unit Dimensions						Window Width		In-Wall Installation Finished Hole			Circuit Rating Breaker or T - D Fuse	Weight Lbs.	
	Height	Width	Depth with Front A	Depth J Box to Louvers B	Minimum Extension Into Room	Minimum Extension Outside	Min.	Max.	Height	Width	Max. Depth C	Volts - Amps	Net	Shipping
SH24N20AT	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-30	180	185
SH20N50AT	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

Model	Outdoor Coil Coating Type	ASTM B-117 Salt Spray Ratings
SH20N50AT	Diamonblue Advanced Corrosion Protection®	
SH24N20AT	ElectroFin®	6048 Hrs

DIAMONBLUE
Advanced Corrosion Protection®



5-STAGE ElectroFin®
Corrosion Protection



Model	Hazardous Location Classification: Gases		
SH20N50AT	National Electrical Code, NFPA 70		
SH24N20AT	ARTICLE 501: Class 1, Division 2, Group A/B/C/D, Temperature Class T4/T4A *		
	ARTICLE 505: Class 1, Zone 2, Group II C/ IIB/ II A, Temperature Class T4/T4A *		



Ex nA nC IIC T4 Gc



II 3 G Ex nA nC IIC T4 Gc

*T4A Temperature classification for dual frequency (50/60 Hz) models - **SH24N20AT**

Distributed By:



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Manufactured by Friedrich under U.S. Design Patent DES 368, 306 decorative font; Utility Patent 5, 622, 058. Maximum outdoor ambient operating temperature is 130°F. (55°C) MAXIMUM TEMPERATURE RATING FOR CLASS 1, DIVISION 2, GROUPS A,B,C,D.



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