

# Self-Contained Units

## DIRECT EXPANSION



SXF10 Model Shown

### Features

- 5,000 - 24,000 Btu/hour
- Low profile, compact unit
- Reverse cycle for heating and cooling
- High efficiency rotary compressor
- Patented design with condenser inside fan shroud
- Electrical box within chassis footprint
- 115V & 230V, 50/60 Hz, and 240V, 50 Hz available

#### SXF Models

- SMX II Power/Logic box included on unit
- Pre-installed temperature sensor
- High & low refrigerant pressure switches
- Use with SMX II or SMXir keypad/display (not included)

#### SHF Models

- Use with SSA type 3-knob switch assembly (not included)
- High refrigerant pressure switch.

### StowAway SHF and SXF Models

StowAway F is a series of reverse cycle, self-contained marine air conditioners. All models offer direct expansion operation in a low profile unit, with a seawater-cooled condenser and a choice of controls.

The StowAway F unit is designed to be installed under a settee or berth, in a locker or cabinet, or other convenient location. A return air grill is typically located close to the unit, with the discharge air ducted to a grill high in the cabin.

SHF and SXF units are complete air conditioners, and includes the following components: compressor, condenser, evaporator, blower, reversing valve, low and high pressure safety switch, return air filter, run capacitor, wiring harness, electrical junction box, and a mounting kit with hold-down clamps and drain fittings. A condensate drain pan encloses the entire unit and acts as the mounting chassis.

The high efficiency rotary compressors offer quiet operation and light weight, with low starting and running power requirements. The 24,000 Btu/hr unit uses an efficient scroll compressor.

The unique seawater condenser design places it in the blower shroud to minimize size. The condenser coil is constructed of spiral, fluted cupronickel encased in a copper shell. The evaporator coil has rifled tubing and lanced fins to increase heat transfer between the air and refrigerant.

The squirrel cage blower is insulated to prevent secondary condensation and reduce noise. The blower can be rotated from horizontal to vertical discharge for flexible installation.

Two different F type StowAway models are offered, depending on the type of control. SHF units are used with the SSA3 type 3-knob switch assembly, which is sold separately. The SXF units include the SMX II power/logic box and a temperature sensor, and can be used with either the SMX II or the SMXir keypad/displays. The keypad/display and connecting cable are sold separately.

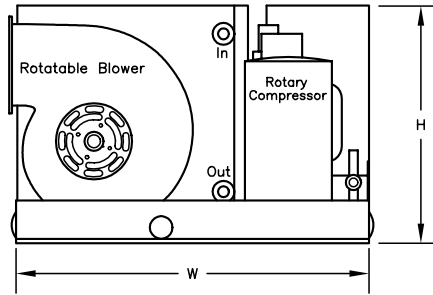
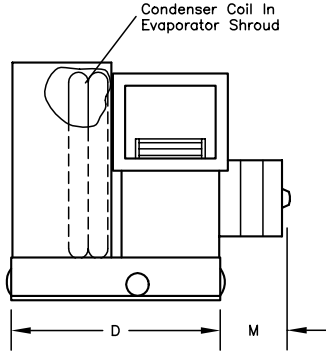
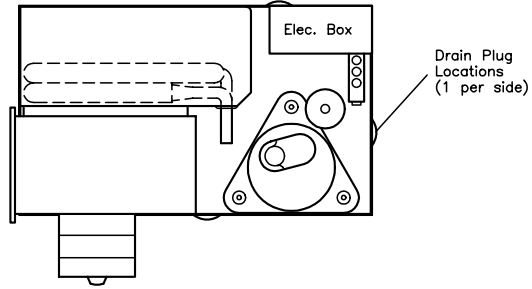
StowAway units are designed for easy installation and serviceability. Wiring connections are made with a polarized plug, or in a junction box on the top of the unit. All units are pre-charged with R-22 refrigerant, eliminating the need for field charging, and are fully tested at the factory.

Sizes are available in 5,000 to 24,000 Btu/hr, and for operation on 115VAC or 230VAC, 50 or 60 Hz. Full performance 240VAC, 50 Hz units are also available.

In addition to the basic StowAway unit, the following components are required to complete the installation, and are sold **separately**: seawater-cooling system (pump, through-hull, strainer, seacock, hose, etc.), air distribution system, hose adapter, and controls.

**Unit Dimensions**

Capacity (Btu/hr)	Height (H) (in/cm)	Width (W) (in/cm)	Depth (D) (in/cm)	Motor (M) (in/cm)
5,000	11.8/30	16.5/42	9.0/23	4.0/10
7,000	12.3/31*	18.0/46	9.6/24	3.3/8
10,000	13.6/35*	20.3/51	10.6/27	4.0/10
12,000	13.6/35	20.3/51	10.6/27	4.0/10
16,000	13.6/35	20.3/51	12.0/31	4.0/10
24,000	19.3/49*	24.8/63	15.3/39	3.5/9



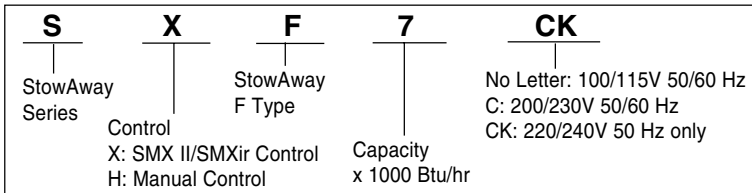
**TECHNICAL SPECIFICATIONS**

Model	Capacity (Btu/hr)	Power (Voltage, Freq.)	Running Amps	Starting Amps	Airflow (cfm/cmh)	Weight (lb/kg)
SHF5/SXF5	5,000	115V, 60 Hz	6.3	18	150/250	42/19.1
SHF7/SXF7	7,000	115V, 60 Hz	7.8	20	200/340	49/22.1
SHF7C/SXF7C		230V, 60 Hz	3.6	10		
SHF10/SXF10	10,000	115V, 60 Hz	10.3	25	350/600	59/26.9
SHF10C/SXF10C		230V, 60 Hz	5.2	15		
SHF10CK/SXF10CK		220/240V, 50 Hz	4.6	15		
SHF12/SXF12	12,000	115V, 60 Hz	11.5	35	350/600	63/28.5
SHF12C/SXF12C		230V, 60 Hz	5.7	20		
SHF12CK/SXF12CK		220/240V, 50 Hz	5.0	20		
SHF16/SXF16	16,000	115V, 60 Hz	14.7	35	500/850	65/29.4
SHF16C/SXF16C		230V, 60 Hz	7.2	20		
SHF16CK/SXF16CK		220/240V, 50 Hz	6.3	20		
SHF24C/SXF24C	24,000	230V, 60 Hz	9.6	35	700/1200	120/54.5
SHF24CK/SXF24CK		240V, 50 Hz	10.5			

**RECOMMENDED GRILL & DUCT SIZES**

Unit Capacity Btu/hr	Minimum Return Air Grill Size (sq in/cm)	Minimum Discharge Grill Size (sq in/cm)	Recommended Duct Size (in/mm)
5,000	64/415	32/205	4/100
7,000	72/465	49/315	5/125
10,000	100/650	60/390	6/150
12,000	120/780	70/455	6/150
16,000	144/935	80/520	7/175
24,000	200/1350	120/780	9/225

**INTERPRETING MODEL NUMBERS**



**Typical Plumbing Installation Self-Contained**

