



Zephyr ZF Kit



Two or Three Knob
Rotary Control



Optional Dual Duct Kit

Features

- Compact, cooling only, self-contained marine air conditioner
- Available as a complete kit (see parts list on back)
- 5,000 - 16,000 BTU/Hr (1.5kW - 4.7kW)
- High efficiency rotary compressors (quiet, lightweight, low run and starting currents)
- Includes air filter and hose (duct) adaptor
- "Green Gas", Non-HCFC refrigerant optional

Zephyr ZF Units

Zephyr units are a series of cooling-only, self-contained air conditioners designed for marine use. All models offer direct-expansion operation in a compact, low profile unit with a seawater-cooled condenser.

A self-contained unit is typically installed under a settee or berth, or in a locker or other convenient location. A return air grill should be located near the unit, and the discharge air is ducted to a grill mounted high in the cabin.

All air conditioning components are installed on the Zephyr chassis, including the compressor, condenser, evaporator, blower and electrical components. The deep condensate pan encloses the entire drip line of the unit and acts as the mounting chassis. A mounting kit, with hold-down clamps and drain fittings, is also included.

High efficiency rotary compressors offer quiet operation and light weight, with low starting and running power requirements. The unique seawater condenser is constructed of fluted cupronickel tubing inside a copper shell, and is mounted in an evaporator shroud to minimize unit size. The evaporator coil has rifled tubing and lanced fins to increase heat transfer between the cabin and the refrigerant. The squirrel-cage blower can be rotated 90° to the vertical position.

Two electromechanical switch assemblies are available for the Zephyr units. The ZFSA1-XB 2-knob switch has three modes (OFF-FAN-RUN) and thermostatic control, and the ZFSA1-Z(C)B is a 3-knob switch that also includes variable fan speed control. Both come with a 10ft (3m) harness.

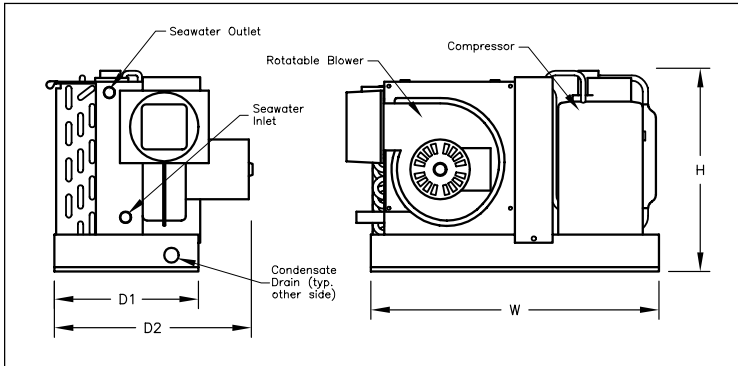
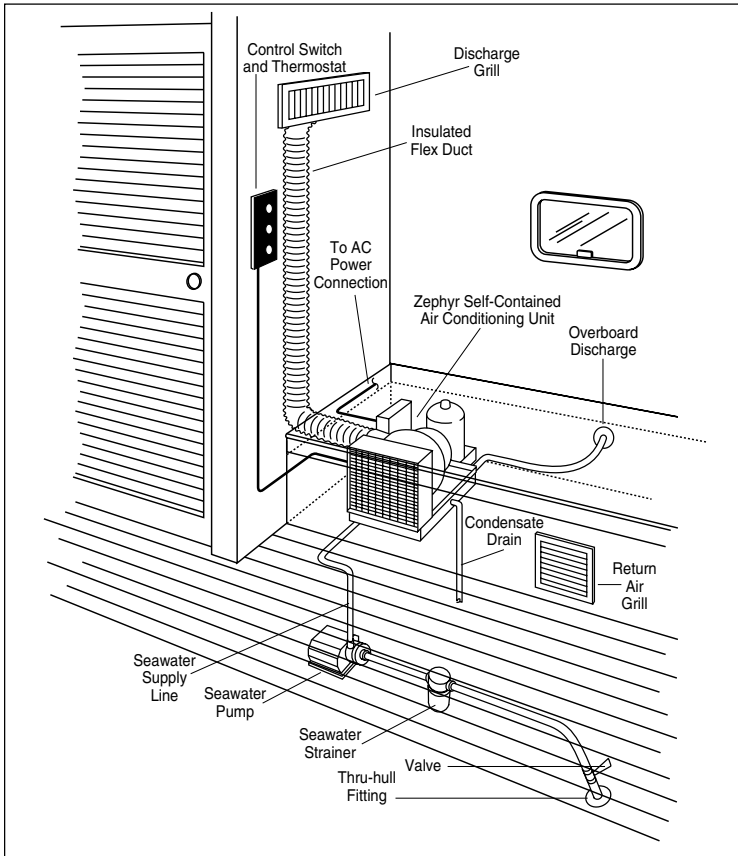
Zephyr units are designed for easy installation and serviceability. All units come from the factory pre-charged with R-22, eliminating the need for field charging, and are fully tested. Units with R-417A (non-HCFC) refrigerant are also available. Models are available in 5,000, 10,000, 12,000 and 16,000 BTU/Hr capacities, in either 115V/60Hz or 220V/50Hz.

In addition to the basic Zephyr unit, the following components are required to complete the installation and are sold separately or as a complete kit: seawater cooling system, air distribution system, and control.

Zephyr kits

A complete installation kit is available with the Zephyr unit, or sold separately. See the back of this sheet for kit information.

TYPICAL ZEPHYR INSTALLATION



ZEPHYR KIT PARTS LIST

- Zephyr Air Conditioning Unit
- Mechanical Control: 2-knob for 5K or 3-knob for 10-16K
- Mounting Brackets
- Condensate Hose Barb Assembly
- Insulated Ducting: 5' of 4" for 5K, 10' of 6" for 10-12K or 10' of 7" for 16K
- Supply Air Grill
- Return Air Grill
- Transition Box and Ring for 10-16K
- Seawater Pump
- Overboard Discharge Outlet
- Seawater Strainer with Bracket
- Speed Scoop Seawater Inlet
- Seacock Shut-Off Valve
- 25' of 5/8" Seawater Hose
- Misc. Adaptors and Hose Clamps

OPTIONAL DUAL DUCT KIT FOR 10-16K UNITS

- 10' of 4" Insulated Ducting
- Plenum Tee Box
- 4" Round Supply Air Grill

TECHNICAL SPECIFICATIONS

Model	Capacity (BTU/Hr)	Duct Size (in/mm)	Height (in/mm)	Width (in/mm)	Depth		Weight (lb/kg)	Voltage/Frequency	Full Load Amps	Max Amps
					Base (in/mm)	Overall (in/mm)				
ZF5	5,000	4/102	11.1/282	16.0/407	8.0/203	11.6/294	39.6/17.9	115V/60Hz	4.3	30.1
ZF5CK			11.6/294		41.3/18.7	220V/50Hz	3.3	17.7		
ZF10	10,000	6/152	12.9/328	19.0/483	8.4/213	12.2/310	52.0/23.6	115V/60Hz	8.9	45.6
ZF10CK			220V/50Hz				4.5	22.2		
ZF12	12,000	6/152	13.25/337	19.0/483	8.4/213	12.2/310	52.5/23.8	115V/60Hz	10.9	58.4
ZF12CK			220V/50Hz				4.8	22.2		
ZF16	16,000	7/178	13.5/343	20.0/508	10.25/261	14.2/361	62.0/28.2	115V/60Hz	11.7	67.0
ZF16CK			220V/50Hz				5.7	32.0		

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