

## MARINE CLIMATE CONTROL SYSTEM

### Provides Boatowners with Year Round Comfort

#### Quick, Quiet Cooling in Hot Weather. Warm in Cold Weather

Enjoy the luxury of a cool comfortable cabin in your boat even on the hottest summer day. Instant air conditioning at your fingertips-at a very affordable price.

As an added feature, the Westerbeke Marine Climate Control System also allows you to warm the cabin with the push of a button. Perfect for warming the cabin on cool nights, or for those extreme spring/autumn temperature changes.

The Westerbeke Marine Climate Control System also acts as a very efficient dehumidifier; it can be set to automatically remove excess humidity from the cabin even when the the boat is left closed up for long periods of time, eliminating the oppressive stickiness and damp mustiness common on boats.

#### All-Weather Comfort at Your Fingertips

For over 75 years, Westerbeke Corporation has been manufacturing world-class marine products. Westerbeke marine generators and engines are standard equipment on boats built by many of the world's leading boatbuilders. Thousands of "Westerbekes" have seen faithful service over the past seven decades.

Westerbeke's Marine Climate Control System is the technical result of that marine experience. It's a state-of-the-art system, remarkably quiet and efficient, designed to provide the boatowner with the ultimate in personal comfort.

#### The WESTERBEKE System Fits Your Needs

Westerbeke Marine Climate Control Systems are available in 10,000 and 17,000 BTU self-contained models, capable of being operated individually in small craft under 30 feet, or by combining two or more units, to air condition larger craft.

Westerbeke units can easily be run using a compact, lightweight Westerbeke Marine Generator as a power source. Westerbeke's extensive experience with marine power products ensures the Westerbeke Climate Control Systems and Westerbeke marine generators are completely integrated. All Westerbeke products can be expertly installed and serviced by a world-wide network of Westerbeke dealers and distributors, giving you the convenience of "one-stop" shopping and service.

The unusually compact design permits convenient, easy installation in a small area (under a berth, helm station, or dinette seat).



#### Engineered to be More Efficient

The Westerbeke Marine Climate Control System features a patented "V" shaped evaporator. This design, unique to Westerbeke, features a plenum with a large area that allows more even, unrestricted airflow across the entire surface of the evaporator coils.

The Westerbeke Marine Climate Control System's high performance fan, running silently on sealed ball bearings, creates a vortex and "pulls" more air, increasing cooling and dehumidification. Result: more comfort in less time.

The rotary compressor draws significantly fewer amps than conventional reciprocating compressors on other air conditioners, and runs quieter.

The system has a unique enclosed self-draining tray to trap condensation and prevent spillage when rough water is encountered. No more wet carpet in your cabin-a problem common to conventional air conditioners.

#### User-Friendly Thermostat Controls

The digital controls automatically monitor air temperature, water temperature, line voltage, compressor current and fan speed. Operating failure modes are visually indicated by the service light on the panel. There is also special time-delay circuitry to prevent nuisance tripping of the circuit breakers when cooling or heating cycles are reversed too quickly.

In areas where moisture is a chronic problem, the digital display thermostat and control panel is another important feature of the Westerbeke Marine Climate Control System. Set the control in the "humidity mode," and the unit will automatically dehumidify the area, unattended, drawing up to several quarts of moisture, hourly, out of the cabin atmosphere.

#### Design-Integrated Components for a Self-Contained System

Virtually all components are specially designed for efficient operation in a marine environment. For example, "Y" and "T" ducting pieces formed from ABS plastic are aerodynamically contoured to eliminate back pressure, allowing for greater air flow which results in faster cooling and heating.

Westerbeke has a comprehensive selection of all accessories needed for installation. Air grills (both return and supply) are available in teak and aluminum.

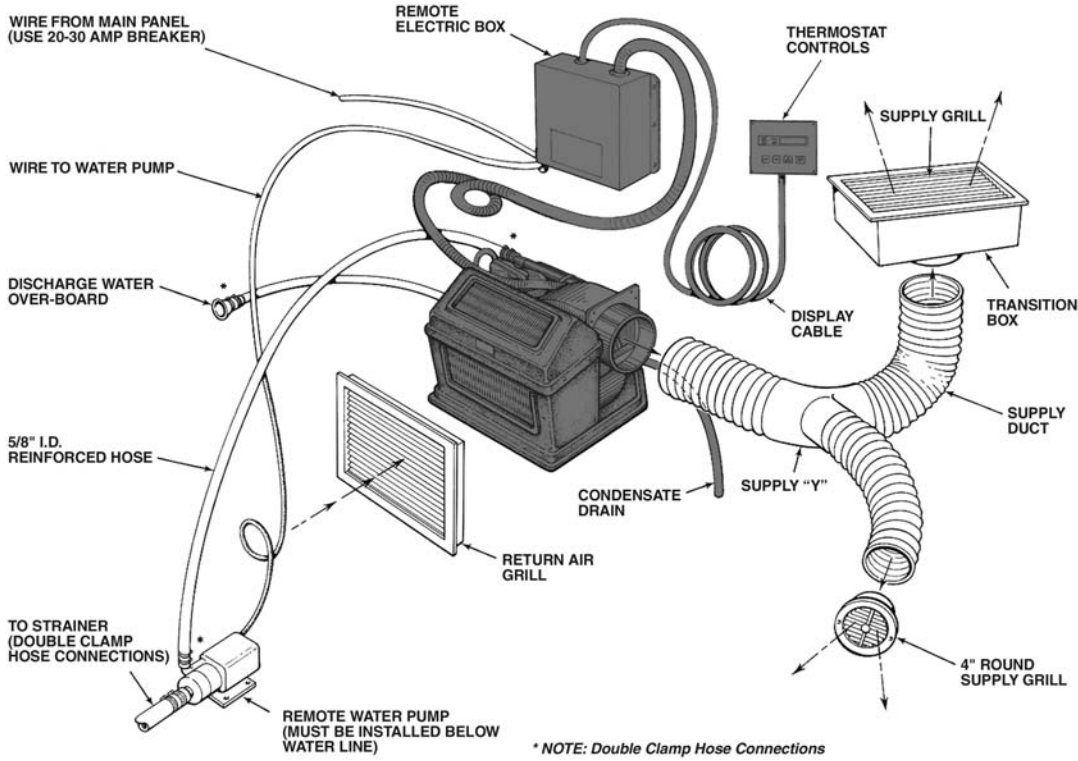
# WESTERBEKE Reliability

Each unit is manufactured by Westerbeke, in its own factory, to the company's own stringent standards to be as trouble-free as possible in the marine environment.

Materials have been researched, tested and selected for seaworthiness and their ability to resist rust and corrosion. The housing is manufactured of rugged, impact resistant plastic. Critical metal parts are constructed of materials such as cupronickel, stainless steel, and copper as appropriate to ensure optimum performance and long life. Every joint is silver soldered.

Each unit is also subjected to deep evacuation before it is charged to ensure a particle-free and moisture-free system. Finally, each unit undergoes a micro-leak test with nitrogen for 24 hours before charging, sealing, testing and final quality approval.

Each unit is backed by a Two-Year Limited Warranty, and supported by a worldwide distribution/service network.




Standard Rotary Aire climate control unit (shaded). Some optional accessories shown (unshaded).

Typical System Layout

## SPECIFICATIONS

	Model 10,000		Model 17,000	
<b>Cooling Capacity (BTU)</b>	10,000*		17,000*	
<b>Starting Amps</b>				
120 V @ 60 Hz	21.0		26.0	
220 V @ 50 Hz	14.0		17.5	
<b>Running Amps</b>	8.0	Cooling Mode	10.0	Cooling Mode
120 V @ 60 Hz	10.0	Heating Mode	12.0	Heating Mode
220 V @ 50 Hz	4.5	Cooling Mode	5.0	Cooling Mode
	6.0	Heating Mode	6.5	Heating Mode
<b>Length</b>	20.50"	(520.70 mm)	21.25"	(539.75 mm)
<b>Width</b>	13.75"	(349.25 mm)	16.50"	(419.10 mm)
<b>Height</b>	13.25"	(336.55 mm)	13.50"	(342.90 mm)
<b>Envelope</b>	2.16 cu. ft	(.061 cu. m)	2.74 cu. ft	(.078 cu. m)
<b>Net Weight</b>	55 lbs.	(24.95 kilos)	63 lbs	(28.58 kilos)
<b>Refrigerant (R407C)</b>	9 oz.	(.266 liters)	13 oz.	(.384 liters)
<b>Evaporator Coil</b>	Full Flow "V" Design		Full Flow "V" Design	
<b>Housing Construction</b>	ABS Plastic		ABS Plastic	
<b>Compressor</b>	Rotary, only 3 moving parts		Rotary, only 3 moving parts	
<b>Condensing Coil</b>	Copper Nickel		Copper Nickel	
<b>Raw Water Flow</b>	300 GPH min. (1135.5 LPH min.)		500 GPH min. (1892.5 LPH min.)	
<b>Remote Electrical Box</b>				
Length	6.50"	(165.10 mm)	6.50"	(165.10 mm)
Width	6.75"	(171.45 mm)	6.75"	(171.45 mm)
Height	2.50"	(63.50 mm)	2.50"	(63.50 mm)
<b>Limited Warranty</b>	Two Years		Two Years	

Distributor/Dealer

\* BTU/hr ratings based on typical environmental conditions. Output may be reduced with extreme air or water temperatures.

\*220/240 Volt 50/60 Hz Available  
Please consult factory

