

WESTERBEKE 8.0 KW MARINE DIESEL GENERATOR SET



Westerbeke 8.0 generator standard equipment in
SEARAY 360 SPORTFISH

The smallest, quietest, most advanced generator for all ship-board needs; 120 or 120/240 volt electrical power at the turn of a switch for electric cooking, refrigeration, air conditioning, cabin appliances, power tools, and navigation/communication equipment. Like all Westerbeke generator sets, it is fresh water cooled through an engine-mounted heat exchanger. The complete unit is mounted on lightweight rails through soft flexible isolator mounts to prevent vibration. A lightweight removable drip tray is fitted under the unit between the mounting rails. The engine is equipped with an electric fuel pump and self bleeding fuel system.

The cast iron cylinder head and block, swirl type combustion chamber, and tuned air intake silencer produce unsurpassed quiet running. The BT alternator with its integral flywheel housing, compact brushless construction and built-in transformer regulation, attaches directly to the engine's backplate.

The model BT-8 is lightweight, safe, dependable, and economical to operate.

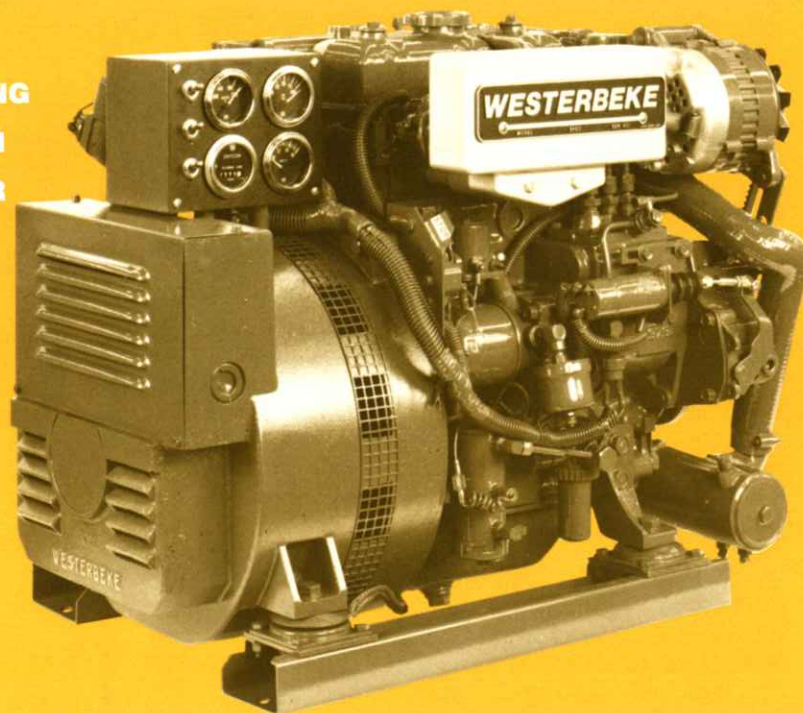
For power or sailboat . . . a new series of compact diesel generator sets from Westerbeke.

The all-new Westerbeke compact brushless BT series diesel generator . . . quietest yet.

- SMOOTH 3 CYLINDER 4 CYCLE PERFORMANCE
- ENCLOSED FRESH WATER COOLING
- AUTOMATIC SAFETY SHUT-DOWN
- SIMPLE ENGINE AND GENERATOR CONTROLS FOR RELIABILITY

STANDARD EQUIPMENT

12 Volt 50 Ampere Alternator
Coolant Recovery Tank
Fresh Water Cooling
Operators Manual
Vibration Isolators
Control Panel
Water Injected Exhaust Elbow
Drip Tray
Belt Guard
Air Intake Silencer
12 Volt Start Motor
High Water Temp. Low Oil Pressure
High Exh. Temp. Auto Shutdown.



GENERATORS: 3, 4.4, 6, 8, 8g, 11, 12.5, 15, 20, 25, 32, 45 kw's

Fresh Water Cooled Diesel and Gasoline Generators from Westerbeke.

WESTERBEKE 8KW MARINE DIESEL GENERATOR

DESIGN: Brushless, four pole, revolving field, self regulating, pre-lubricated single bearing design. (Optional full power take-off through rear of generator available.)

VOLTAGE REGULATION: Standard $\pm 5\%$ no load to full load. (With optional solid state voltage regulation $\pm 2\%$ no load to full load.)

FREQUENCY REGULATION: 3 Hertz (5%) no load to full load. (Generator is capable of operation at either 50 or 60 Hertz by simple adjustments.)

INSULATION: Class "F" as defined by NEMA MG1-1.65.

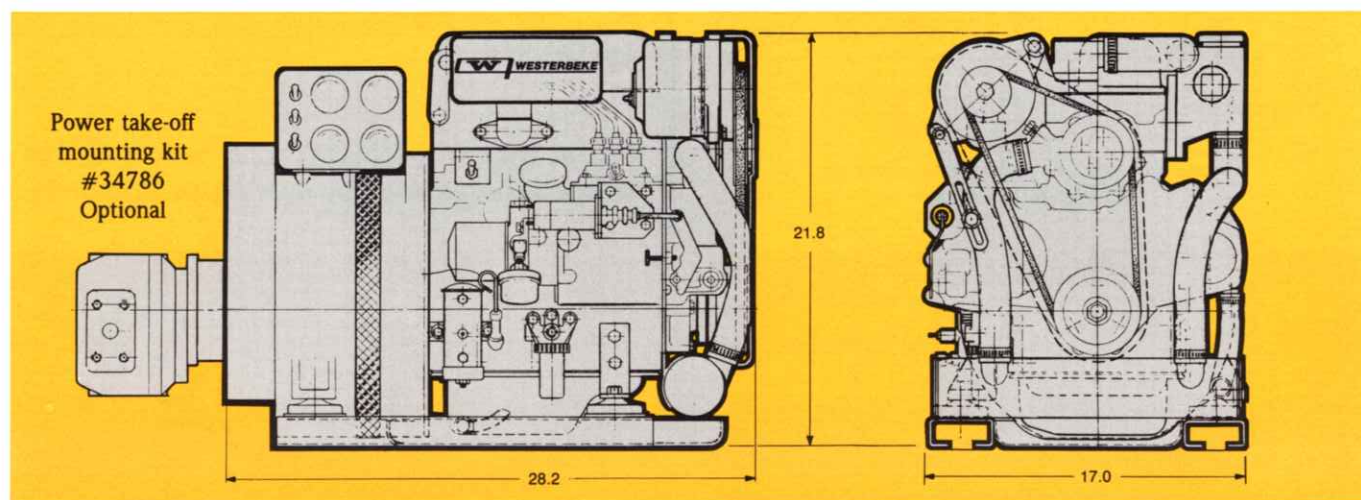
TEMPERATURE RISE: Within NEMA MG1-22.40 definition when operating at full load.

COOLING: Cast centrifugal blower, direct connected.

ELECTROMAGNETIC INTERFERENCE LEVEL: Exceeds requirements for most marine radio-telephone equipment and standard AM televisions.

ELECTRICAL CHARACTERISTICS						RATINGS		DERATINGS	ENGINE	
Model	Volts	Amps	Hertz	Phase	Wire	Power Factor	KW		RPM	Start
BT 8.0-614*	120/240	68/34	60	1	4	1.0	8	3.5% each 1000 feet above sea level.	1800	Remote
BT 6.0-514*	120/240	50/25	50	1	4	1.0	6	1% for each 10° Fahrenheit above 85° Fahrenheit ambient. 10% for continuous duty.	1500	Remote

*Reconnectable to 120 Volts @ twice the amperage.



ENGINE

Engine Type . . . 3 cyl, 4 cycle, water cooled, naturally aspirated, vertical overhead valve, diesel engine
 Bore & Stroke . . . 2.87" x 3.07" (73mm. x 78mm.)
 Displacement . . . 60 cubic inch (.979 litre)
 Compression ratio . . . 23 to 1
 Cooling water capacity . . . 5 Qts.
 Fuel Injection Pump . . . Bosch Type with Individual plunger for each cylinder
 Injectors . . . Pintle type
 Combustion Chamber . . . Swirl type for easy starting and quiet operation
 Total weight . . . 450 lbs.
 Governor . . . Mechanical centrifugal type
 Fuel filter . . . Paper element type
 Lub. oil filter . . Full flow, spin on, paper element type
 Lub. oil capacity with filter . . . 3.3 Qts.
 Starting motor . . . Geared electric motor, 12 Volt
 Starting aid . . . 12 Volt sheathed type glow plug
 Fuel pump . . . Electric plunger type
 Rated RPM . . . 1800
 Max. HP at rated RPM . . . 14 HP
 Full load fuel consumption approx. . . 1.3 GPH
 Exhaust Elbow connection O.D. . . 1 15/16"
 Sea water hose I.D. . . 7/8"

OPTIONAL EQUIPMENT

- Sound/Guard Enclosure • Remote Instrument Panel • 15' Cable for Remote Panel • Ship to Shore Transfer Panel • Hydro-Hush Exhaust Silencer and Accessories.



HYDRO-HUSH B



Straight



45°



90°

Coupling



OPTIONAL "SOUND/GUARD" SOUND ENCLOSURE

34.5" long
24" wide
27" high

CALL YOUR WESTERBEKE REPRESENTATIVE

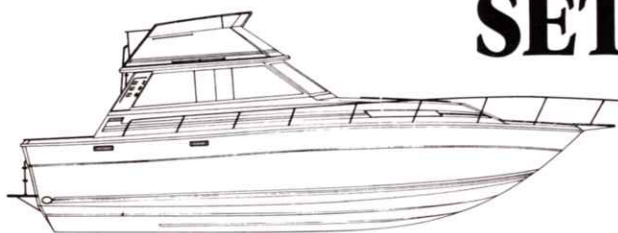
OR CONTACT THE . . .



J. H. WESTERBEKE CORP.

AVON INDUSTRIAL PARK, AVON, MA 02322 • (617) 588-7700
 CABLE: WESTCORP, AVON • TELEX: 92-4444

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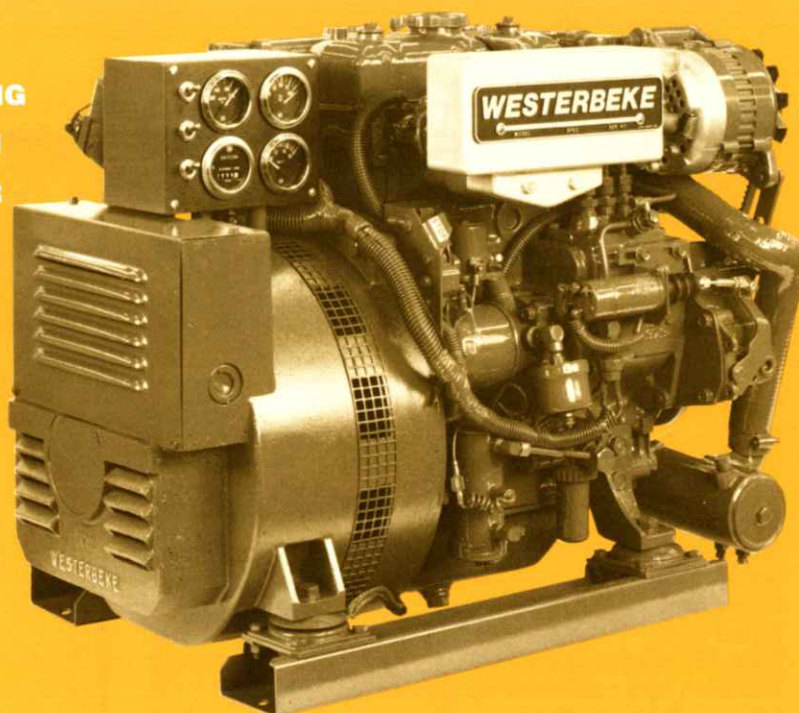
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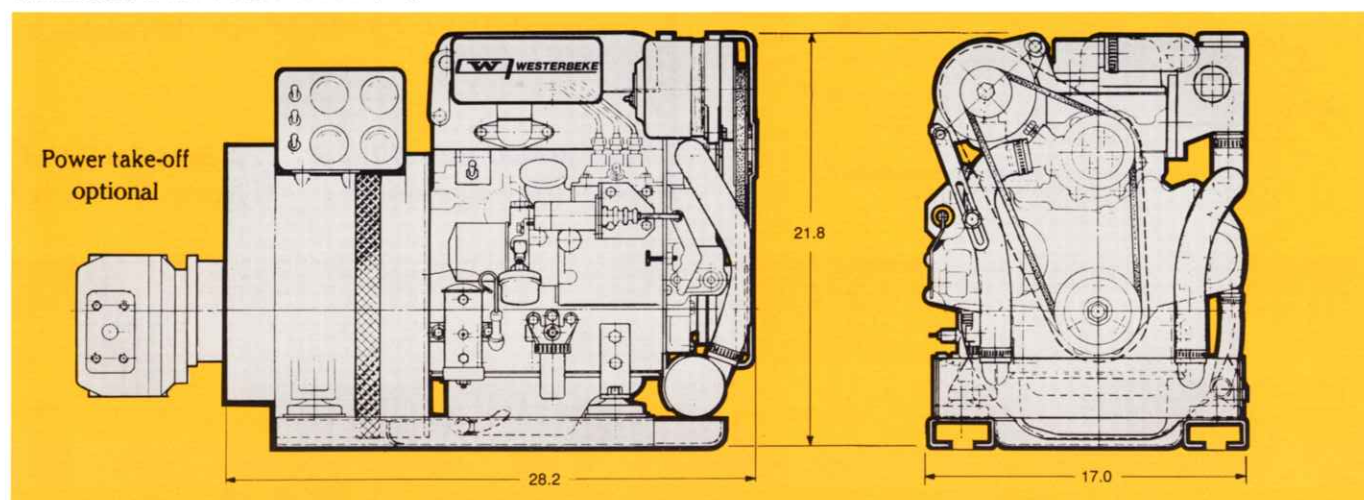
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