The perfect solution for all your power needs.

Cruise carefree with Westerbeke power at your fingertips.

The 20.0BEDA Westerbeke, a flawlessly smooth, quiet, compact diesel generator. This state-of-the-art generator easily provides all your shipboard power needs, including electric ranges, microwave ovens, air conditioners, refrigerators, TVs, hair dryers, vacuum cleaners and other small appliances and power tools.

Powerful, lightweight, economical to operate, and above all, reliable. Specially engineered to operate in a hostile marine environment, and built by Westerbeke using experience gained in supplying generators to the United States Navy and Coast Guard as well as commercial vessels and pleasure craft. Along with other features, these generators are designed to run at 1800 RPM for greater longevity. They are equipped with simple control systems rather than troublesome relays or solid state components and are fresh-water-cooled to operate at optimum temperature levels.

Easy to install, easy to service (one side service), and easily field convertable to either 50 or 60 Hertz AC output.

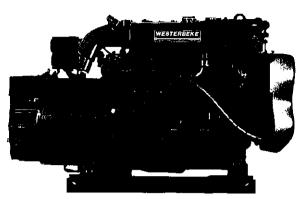
Westerbeke products are supported by a worldwide network of master distributors and dealers providing parts, service and technical support.

It is to your advantage to select a generator made by Westerbeke, world leaders, the people who pioneered the new truly "quiet breed" of generators in the 1980's. Over 50 years of marine experience go into these products.

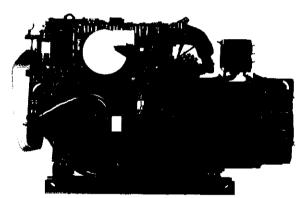
And you can be sure that Westerbeke will continue to bring innovation to its products in the future.

Many features are standard equipment

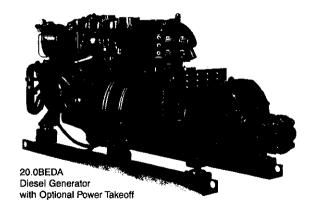
- Fresh water cooling
- Instrument panel
- Vibration mounts fail safe rubber type
- 70° water injected elbow
- Coolant recovery tank
- 50 amp alternator
- Safety stop switch
- Drip tray
- Belt guard
- Belt driven sea water pump
- Lube oil drain hose
- Safety shut-downs Hi-coolant temp., low oil pres., Hi-exh. temp.
- Oil fill top
- Self-bleeding fuel system
- Operator's manual and parts list
- Electronic governor



20.0BEDA Diesel Generator



20.0BEDA Diesel Generator



Dimensions

Length 45.79" (1162.9 mm)
Width 22.0" (558.8 mm)
Height 28.5" (723.9 mm)
Weight 943 lbs. (431.7 kilos)





Generator Design

DESIGN: Brushless, four pole, revolving field, power takeoff. **VOLTAGE REGULATION:** Standard ± 2% no load to full load. **FREQUENCY REGULATION:** 0.30 Hz (0.005%) no load to full load. **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-telephones and standard TVs.

		Electri	cal Characte	ristics		Flett	W		Engine
		Amps	Hett	Phase	With	Power Factor	KW ·	RPM	ş St art
20.0BED-614	120/240	166/83	60	1	4	1.0	20	1800	Remote
16.0BED-514	230	69.6	50	1	4	1.0	16	1500	Remote

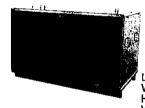
Three phase units, 50 & 60 Hertz, are available in these ratings. Contact your nearest authorized Westerbeke Distributor for information.

^{*}Adjustable for 50 or 60 hertz

Type 4 Cycle 154 cu: in, (2.5-liter) Bore and stroke 3.50" x 4.00" (88.9 mm x 101.6 mm) 1 title Rated rpm 60 Hz - 1800 rpm 50 Hz - 1500 rpm 50 Hz - 1500 rpm 33 HP Maximum angle of operation 2" OD (50.8 mm) See water conn. 1" OD (25.4 mm) 943 lbs. (431.7 kilos) Swirt type Naturally aspirated Lubrication system Forced lubrication by gear pump 11.5 quarts (10.9-liters) Starting aid 12 volt sheathed type glow plug 2.0 GRH (7.57 LPH) (approx.) Bosch type, solenoid shutoff Electronic: Injectors Throttle type Full flow, spin-on element 1.5 LUS gel. (5.7 liters) 12 volt selectric type (and return ploing 2.0 GRH (7.57 LPH) Fuel transfer pump 12 volt selectric type (and return ploing 2.0 GRH (7.57 LPH) Starting motor 12 volt, solenoid, actuated shift 50 amps Cold cranking amps 250-300 amps 12 volts DC, negative ground		
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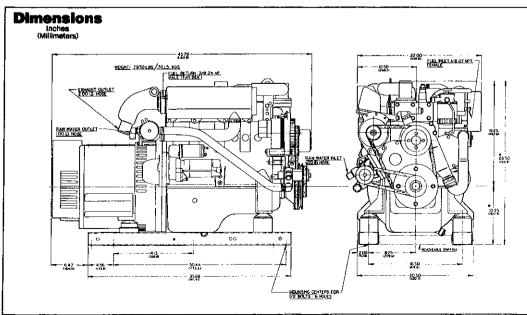
Construction	n — Engine Components
Cylinder head	
Cylinder block	Cast iron
Crankshaft	Forged crankshaft, five main bearings
Valves	Overhead valves, rotating type
Fuel system :	Self bleeding
Intake system	Tuned intake silencer for maximum noise reduction
Cooling system	Fresh Water-cooled-with heat exchanger
Exhaust manifold	Cast aluminum, fresh water-cooled

Optional Equipment Renote start-stop panel 15' panel ext. harness and cover plate Dual station servers Ship-shore switch Power takeoff adapter with electric clutch Fuel/water separator Hydro-huen multier and littings "A" on-board spare parts kit; "B" extended cruising spare parts kit Anti-siphon valve for overboard cooling discharge water Technical Manual Sound Quard sound enclosure



Optional Sound Guard enclosure provides optimum silencing for the generator. Ruggedly constructed with all panels removable for easy servicing and maintenance.

Length—52.1" (1323.3 mm) Width —30.0" (762 mm) Height —31.4" (798 mm) Weight—180 lbs (81.6 kilos)



Authorized Dealer