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- SMOOTH 2 CYLINDER 4 CYCLE PERFORMANCE
- ENCLOSED FRESH WATER COOLING
- AUTOMATIC SAFETY SHUT-DOWNS
- SIMPLE ENGINE AND GENERATOR CONTROLS FOR RELIABILITY

STANDARD EQUIPMENT
- 12 Volt 10 Amp Battery Charging
- 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
- 45° Water Injected Exhaust Elbow
- Oil Drain Hose

Westerbeke
4.4 KW
MARINE DIESEL
GENERATOR SET

WINDWARD 52
Dieter Engenheir

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

Fresh Water Cooled Diesel and Gasoline Generators from Westerbeke.
**DESIGN:** Brushless, four pole revolving field, self regulating, pre-lubricated single bearing design.

**VOLTAGE REGULATION:** Standard ±5% no load to full load.

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*Reconnectable to 120 Volts @ twice the amperage.

**ENGINE**

- Engine Type: 4 cycle, water cooled, naturally aspirated, vertical overhead valve, diesel engine
- Cylinder arrangement: 2 cylinders in line
- Bore & Stroke: 2.68" x 3.07" (68mm x 78mm.)
- Displacement: 37 cubic inch (.606 litre)
- Compression Ratio: 23 to 1
- Cooling water capacity: 6 Qts.
- Rotation: SAE Std. (clockwise facing front end)
- Injectors: Pindle type
- Self-Bleeding Fuel System: Restarts after loss of fuel supply without manual air bleeding
- Combustion Chamber: Swirl type for easy starting and quiet operation
- Total weight: 410 lbs
- Governor: Mechanical centrifugal type
- Fuel filter: Paper element type
- Lubricating device: Forced lubrication by trochoid pump
- Lub. oil filter: Full flow, spin on, paper element type
- Lub. oil capacity: 2.5 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: 8.6 HP
- Full load fuel consumption: approx. 0.5 G.P.H.

**STANDARD EQUIPMENT**

- 12 volt 10 amp Charging
- Coolant recovery tank
- Fresh Water Cooling System
- Operators Manual
- Air Intake Silencer
- 12 Volt Starting Motor
- Flex Isolator Engine Mounts
- Remote Panel
- Water Injected Exhaust Elbow
- Drip Tray
- Hi Water-Lo Oil Shutdown
- Hi Exhaust Temp. Shutdown
- On Plant Safety Stop Switch
- 15’ Panel Extension Harness

**OPTIONAL EQUIPMENT**

- Hydro Hush Silencer, ‘Sound/Guard’, Remote start-stop control, Ship to Shore Rotary Transfer Switch

Call your Westerbeke representative

or contact the...
Westerbeke 4.4 KW Marine Diesel Generator

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- 12 Volt 10 Amp Battery Charging
- 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
- 45° Water Injected Exhaust Elbow
- Oil Drain Hose

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

Fresh Water Cooled Diesel and Gasoline Generators from Westerbeke.
Westerbeke 4.4 kW Marine Diesel Generator

**DESIGN:** Brushless, four pole revolving field, self regulating, pre-lubricated single bearing design.

**VOLTAGE REGULATION:** Standard ± 5% 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 MG1-22.40.

**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.

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- **Compression Ratio:** 23 to 1
- **Cooling water capacity:** 6 Qts.
- **Rotation:** SAE Std. (clockwise facing front end)
- **Injectors:** Pintle type
- **Self-Bleeding Fuel System:** Restarts after loss of fuel supply without manual air bleeding
- **Combustion Chamber:** Swirl type for easy starting and quiet operation
- **Total weight:** 410 lbs
- **Governor:** Mechanical centrifugal type
- **Fuel filter:** Paper element type
- **Lubricating device:** Forced lubrication by trochoid pump
- **Lub. oil filter:** Full flow, spin on, paper element type
- **Lub. oil capacity:** 2.5 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:** 8.6 HP
- **Full load fuel consumption:** approx. 0.5 G.P.H.

### STANDARD EQUIPMENT

- 12 volt 10 amp Charging
- Coolant recovery tank
- Fresh Water Cooling System
- Operators Manual
- Air Intake Silencer
- 12 Volt Starting Motor
- Flex Isolator Engine Mounts
- Remote Panel
- Water Injected Exhaust Elbow
- Drip Tray
- Hi Water-Low Oil Shutdown
- Hi Exhaust Temp. Shutdown
- On Plant Safety Stop Switch
- 15' Panel Extension Harness

### OPTIONAL EQUIPMENT

- Hydro Hush Silencer, "Sound/Guard", Remote start-stop control, Ship to Shore Rotary Transfer Switch

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- Smooth 2 Cylinder 4 Cycle Performance
- Enclosed Fresh Water Cooling
- Automatic Safety Shut-Downs
- Simple Engine and Generator Controls for Reliability

Standard Equipment:
- 12 Volt 10 Amp Battery Charging
- 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
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- 45° Water Injected Exhaust Elbow
- Oil Drain Hose

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

Fresh Water Cooled Diesel and Gasoline Generators from Westerbeke.
**Westerbeke 4.4 kW Marine Diesel Generator**

**Design:** Brushless, four pole revolving field, self-regulating, pre-lubricated single bearing design.

**Voltage Regulation:** Standard ± 5% 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 MG-1-22.40.

**Temperature Rise:** Within NEMA MG-1-22.40 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**

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**Engine**

- **Type:** 4 cycle, water cooled, naturally aspirated, vertical overhead valve, diesel engine
- **Cylinder arrangement:** 2 cylinders in line
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- **Starting motor:** Geared electric motor, 12 Volt
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- Coolant recovery tank
- Fresh Water Cooling System
- Operators Manual
- Air Intake Silencer
- 12 Volt Starting Motor
- Flex Isolator Engine Mounts
- Remote Panel
- Water Injected Exhaust Elbow
- Drip Tray
- Hi Water-Lo Oil Shutdown
- Hi Exhaust Temp. Shutdown
- On Plant Safety Stop Switch
- 15’ Panel Extension Harness

**Optional Equipment**


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Westerbeke 4.4 KW Marine Diesel Generator

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- Fresh Water Cooling
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- Control Panel
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Hi Water-Lo Oil Shutdown
Hi Exhaust Temp. Shutdown
On Plant Safety Stop Switch
15’ Panel Extension Harness

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Drip Tray
Belt Guard
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3.5% each 1000 feet above sea level.
1% for each 10° Fahrenheit above 85° Fahrenheit ambient. 10% for continuous duty.

**Insulation:** Class “F” as defined by NEMA MG-1-22.40.

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- Injectors: Pintle type
- Self-Bleeding Fuel System: Restarts after loss of fuel supply without manual air bleeding
- Combustion Chamber: Swirl type for easy starting and quiet operation
- Total weight: 490 lbs
- Governor: Mechanical centrifugal type
- Fuel filter: Paper element type
- Lubricating device: Forced lubrication by trochoid pump
- Lub. oil filter: Full flow, spin on, paper element type
- Lub. oil capacity: 2.5 Quarts
- 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: 8.6 HP
- Full load fuel consumption: approx. 0.5 G.P.H.

**Standard Equipment**

- 12 volt 10 amp Charging
- Coolant recovery tank
- Fresh Water Cooling System
- Operators Manual
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- Control Panel
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- Drip Tray
- Hi Water-Lo Oil Shutdown
- Hi Exhaust Temp. Shutdown
- On Plant Safety Stop Switch

**Optional Equipment**

- Hydro-Hush Silencer, "Sound/Guard", Remote start-stop control, 15 ft. plug-in extension harness for Remote Mounting Control Panel, Control Panel cover plate, Ship to Shore Rotary Transfer Switch

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