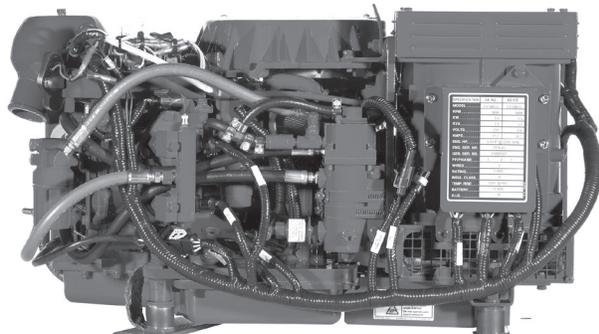
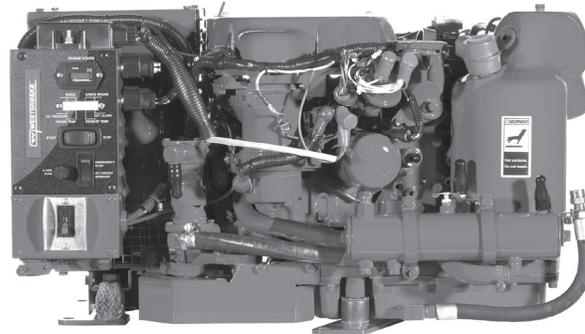


# 17% More Power and Multiport EFI



3.5 SBCG Marine Gasoline Generator



3.5 SBCG Marine Gasoline Generator

### Compact, Lightweight, Powerful

The 3.5 SBCG is the most compact 3.5kW gasoline generator available. Weighing only 188 pounds (85 kilos), it produces 17% more power than its predecessor. It is designed for small boat owners yearning for additional punch to operate an air conditioner, water heater or other appliances without a dramatic increase in generator size.

### Multiport EFI and Returnless Fuel System

The 3.5 SBCG features sequential multiport electronic fuel injection (MPI). MPI provides optimum fuel efficiency, easy starting, improved reliability and reduced emissions. In conjunction with MPI, electronic speed control maintains the engine at a constant speed (precise frequency regulation) and virtually eliminates “bogging down” when load is applied. A water cooled returnless fuel system aids in the prevention of vapor lock for improved performance in high ambient temperatures. MPI also features advanced diagnostic capabilities.

### Smooth & Quiet Operation

The 3.5 SBCG incorporates a two cylinder-engine, precise throttle control and a specially designed flywheel for smoother operation. Operating at 2200 rpm instead of 3000 or 3600, the 3.5 SBCG also provides low rpm quiet operation typical of Westerbeke generator products.

### Simple Installation

The 3.5 SBCG is a simple “plug & play” genset. An optional remote start/stop is available with a harness to plug into the side of the control box.

### Easy Operation

A simple “one-touch” rocker switch eliminates the need for separate start, stop and priming switches.

### Standard Features

- Simple, “one touch” start/stop control panel with running hour meter and warning annunciation
- Multiport EFI
- Water-cooled, returnless fuel system
- Electronic governing
- Safety warnings and shut-downs — overspeed, underspeed, low oil pressure, high exhaust and coolant temperature and more
- Fresh water cooling and coolant recovery tank
- A.C. circuit breaker
- 5 amp battery charger
- Water injected exhaust elbow
- Belt-driven raw water pump
- Vibration isolators
- Lube oil drain hose
- Belt guard
- Operators’ manual and parts list
- Meets U.S.C.G. regulation 33CFR-183
- Complies with CARB & U.S. EPA regulations

**Generator Design**

**DESIGN:** Brushless, two-pole.  
**VOLTAGE REGULATION:** Standard +/- 5% no load to full load.  
**FREQUENCY REGULATION:** .7 Hz (1%) no load to full load.  
**INSULATION:** Class "H" as defined by NEMA MG1-1.66.

**TEMPERATURE RISE:** Within NEMA MG1-22.40 operating at full load.  
**COOLING:** Molded centrifugal blower, direct connected.  
**ELECTROMAGNETIC INTERFERENCE LEVEL:** Exceeds requirements for most marine radio-telephones and standard TV's.

Model	Electrical Characteristics					Ratings		Engine	
	Volts	Amps	Hertz	Phase	Wire	Power Factor	KW	RPM	Start
3.5 SBCG-612	120	29	60	1	2	1.0	3.5	2200	Remote
3.5 SBCG-512	230	15	50	1	2	1.0	3.5	2200	Remote

\* Not field convertible between 50 and 60Hz

**Specifications**

Number of cylinders	2 Cylinder, horizontal in-line
Type	4 cycle
Displacement	21.4 cu. in. (.35 liter)
Bore and stroke	2.40" x 2.36" (61mm x 60mm)
Compression ratio	9.2:1
Rated RPM	2200
HP @ Rated RPM	6.0 HP
Maximum angle of operation	Not to exceed 25° in all directions
Exhaust elbow conn.	2.0" OD (50.8mm)
Raw water conn.	.50" OD (12.7mm)
Dry weight	188 lbs. (85 kilos)
Combustion system	Semi-spherical type
Aspiration	Naturally aspirated
Lubrication system	Forced pump
Cooling system	1.46 quarts (1.38 liters)
Full load fuel consumption	.50 GPH (1.9 LPH)
75% load fuel consumption	.41 GPH (1.6 LPH)
50% load fuel consumption	.33 GPH (1.3 LPH)
25% load fuel consumption	.25 GPH (1.0 LPH)
Fuel system	Multipoint EFI
Governor	Electronic
Lube oil filter	Full flow, spin on element

Lubricant capacity	1.5 quarts (1.4 liters)
Fuel transfer pump	Mechanical type
Fuel supply piping	.25" ID (6.35mm)
Starting motor	12 volt, .6kW
Battery charging	5 amps, flywheel alternator
Cranking amps	70 amps @ 70 degrees F
Electrical system	12 volts DC, negative ground

**Construction-Engine Components**

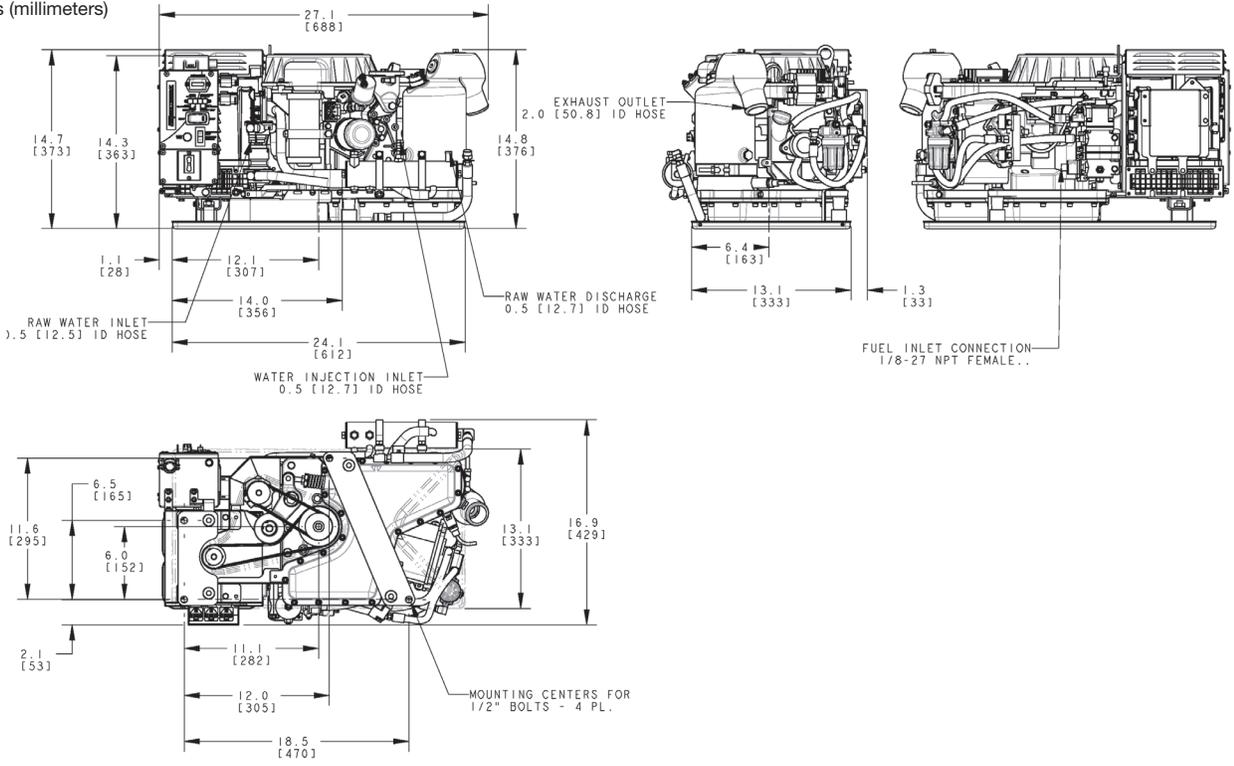
Cylinder head	Aluminum
Cylinder block	Aluminum
Crankshaft	Forged crankshaft, two main bearings
Valves	Overhead
Exhaust manifold	Cast almag, raw water-cooled

**Optional Equipment**

- Remote start-stop panel with warning annunciation
- 15' or 30' extension harness
- Hydro-hush muffler and fittings
- Ship-shore switch
- "A" on-board spare parts kit; "B" extended cruising spare parts kit
- Anti-siphon valve for overboard cooling water discharge
- Technical Manual

**Basic Dimensions**

Inches (millimeters)



Drawings are for reference only and should not be used for installation. Detailed installation drawings are available upon request.