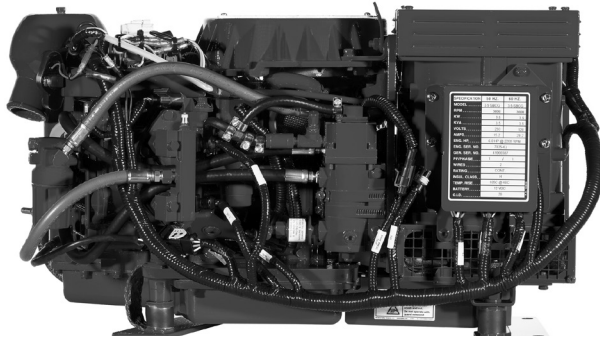




17% More Power and Multiport EFI



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.

Technologically Advanced

The 3.5 SBCG produces low carbon monoxide emissions utilizing multiport electronic fuel injection (EFI) and is equipped with advanced diagnostic tools.

Smooth & Quiet Operation

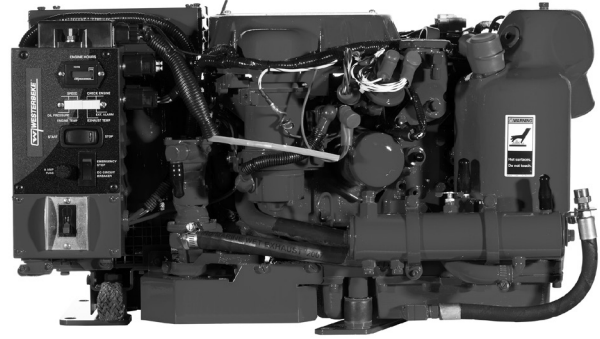
The 3.5 SBCG incorporates a two cylinder-engine, precise throttle control and a specially designed flywheel for smoother operation. Operating at 2200 rpm instead of 3000 or 3600, the 3.5 SBCG also provides low rpm quiet operation typical of Westerbeke generator products.

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.



3.5 SBCG Marine Gasoline Generator

Electronic Governor

Maintains steady speed, provides optimum fuel efficiency and eliminates "bogging down" when load is applied.

Standard Features

- Simple, "one touch" start/stop control panel with running hour meter and warning annunciation
- Multiport Electronic Fuel Injection
- Safety shut-downs — overspeed, underspeed, low oil pressure, high exhaust and coolant temperature
- A.C. circuit breaker
- Battery charger
- Fresh water cooling
- Water injected exhaust elbow
- Belt-driven, raw water pump
- Vibration mounts
- Lube oil drain hose
- Belt guards
- Operators' manual and parts list
- Meets U.S.C.G. regulation 33CFR-183

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 | 30 | 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 | 6.25 amps, flywheel alternator |
| Cranking amps | 70 amps @ 70 degrees F |
| Electrical system | 12 volts DC, negative ground |

Construction-Engine Components

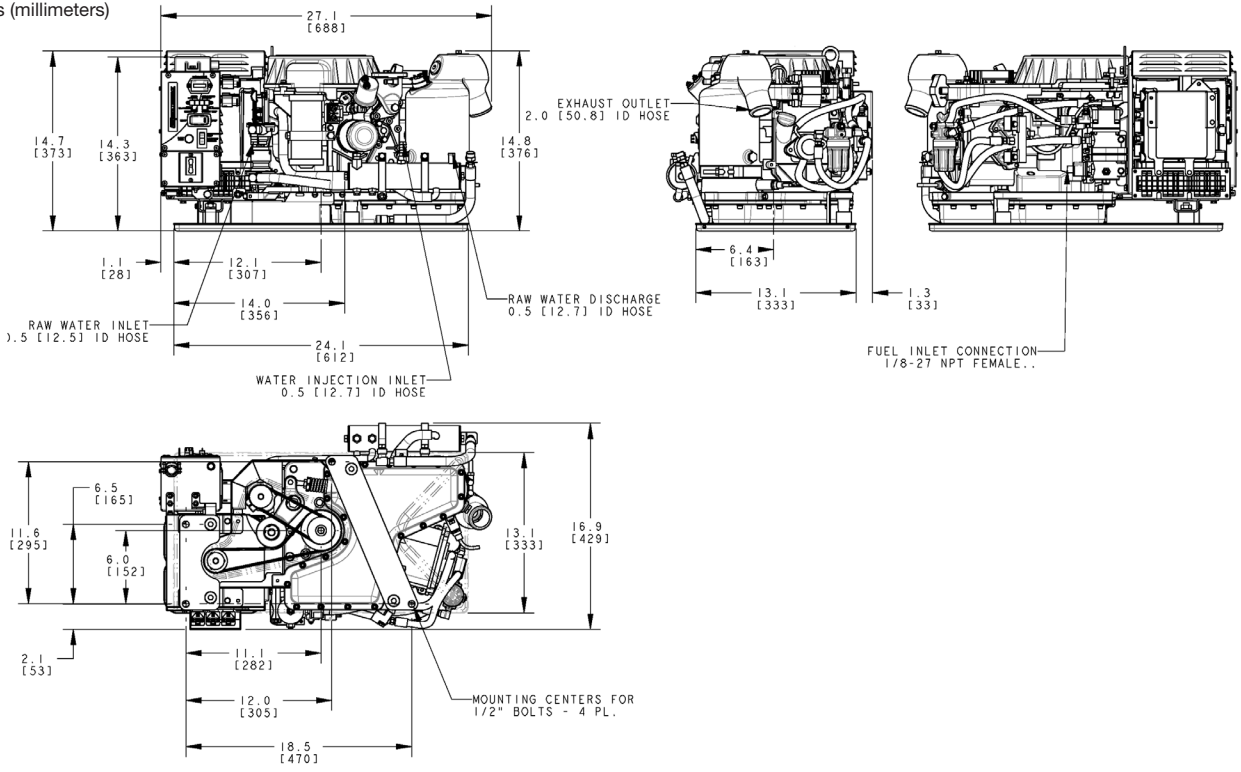
| | |
|------------------|--------------------------------------|
| Cylinder head | Aluminum |
| Cylinder block | Aluminum |
| Crankshaft | Forged crankshaft, two main bearings |
| Valves | Overhead |
| Exhaust manifold | Cast almag, raw water-cooled |

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.