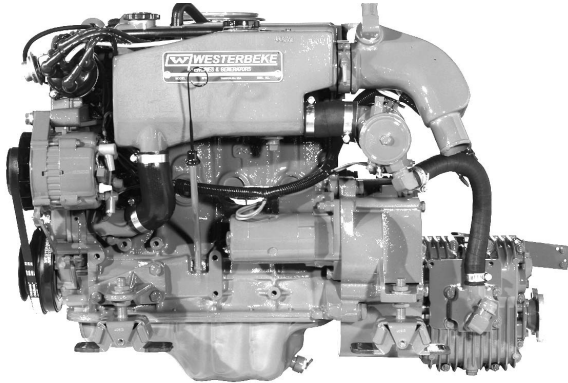
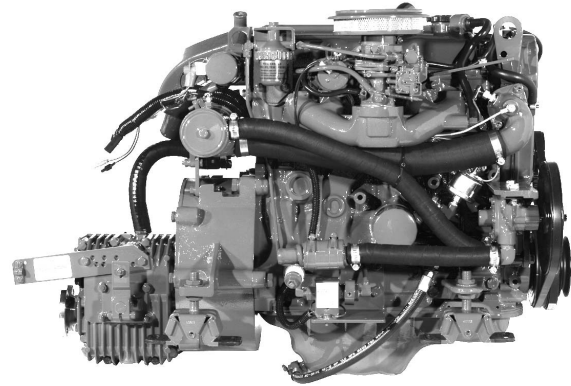




A powerfully quiet 2.2 liter gasoline engine ...



W-70GA Marine Gasoline Engine



W-70GA Marine Gasoline Engine

Smooth and Quiet

The W-70GA offers 4-cylinder, 4-cycle smoothness in a gasoline engine. Engine matched, 4-point neoprene mounts diminish vibration and deliver smooth, quiet operation.

Powerful and Reliable

The naturally aspirated 2.2 liter design of the W-70GA provides instant power as well as simplicity and reliability.

Easy Operation and Maintenance

In order to minimize engine maintenance, a fresh water cooling system is designed into the W-70GA. For ease of maintenance, a front-mounted raw water pump is conveniently located on the service side of the engine. Also incorporated into the design of the W-70GA is a standard, hot water heater connection in the thermostat bypass circuit located on the front of the engine for easy access.

Application Benefits

The W-70GA is available "bobtail" for other applications such as powering water pumps. A fuel cooler is also standard and helpful in hot ambient engine room temperatures to aid in the prevention of vapor lock.

The Name You Can Trust

The presence of Westerbeke in over 65 countries around the world provides customers with easy access to parts, service and technical support worldwide. Established in 1937, Westerbeke is committed to providing its customers with quality products and unequalled after sales support.

Standard Features

- Engine pre-wired to plug-in connector
- Circuit breaker protected electrical system
- Belt-driven, raw water pump
- Fresh water cooled engine
- Fuel cooler
- Transmission oil cooler
- 12 volt, 50 amp alternator
- Domestic hot water connection
- Coolant recovery tank
- Throttle, stop, and shift control brackets
- Low oil pressure and high water temperature alarms
- Marine transmission with 2.7:1 reduction
- Engine matched 4-point, fail-safe, adjustable mounts
- Lube oil drain hose
- U.S. Coast Guard approved flame arrestor
- Operators' manual & parts list
- Meets U.S.C.G. regulation 33CFR-183



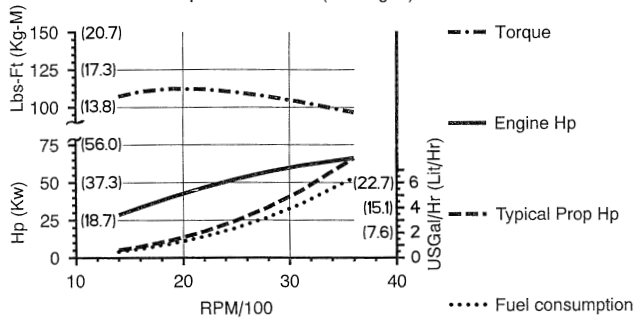
Optional Admiral Panel

Admiral Panel Dimensions

Length	9.75" (247.7 mm)
Depth	4.0" (101.6 mm)
Height	6.0" (152.4 mm)

Performance Data

66 Horsepower (49 Kw) AT 3600 RPM
Max Torque = 112 Lbs-Ft (15.5 Kg-M) at 1980 RPM



Westerbeke recommends a propeller that will allow the engine to turn 3500-3600 RPM underway at full throttle

Construction – Engine Components

Cylinder head	Aluminum
Cylinder block	Cast Iron
Crankshaft	Forged crankshaft, five main bearings
Valves	Direct drive overhead cam
Intake system	Intake silencer with U.S.C.G approved flame arrester
Cooling system	Fresh water-cooled with oversized tube and shell type heat exchanger
Exhaust manifold	Cast aluminum, fresh water-cooled with built-in expansion tank

Standard Equipment

Standard gear ratio	2.7:1
Mounting centers	16.0"
Flexible mounts	Engine matched adjustable fail-safe neoprene type
Domestic hot water connection	
Coolant recovery tank	
Battery charging alternator	50 amp, 12 volt
Starting aid	
Control brackets	Throttle and shift
Prewired Engine	
Belt-driven raw water pump	
Fuel cooler	
Lube oil drain hose	
Transmission oil cooler	
Oil fill	Top
Circuit breaker protected electrical system	
Operator's Manual and Parts List	

Specification

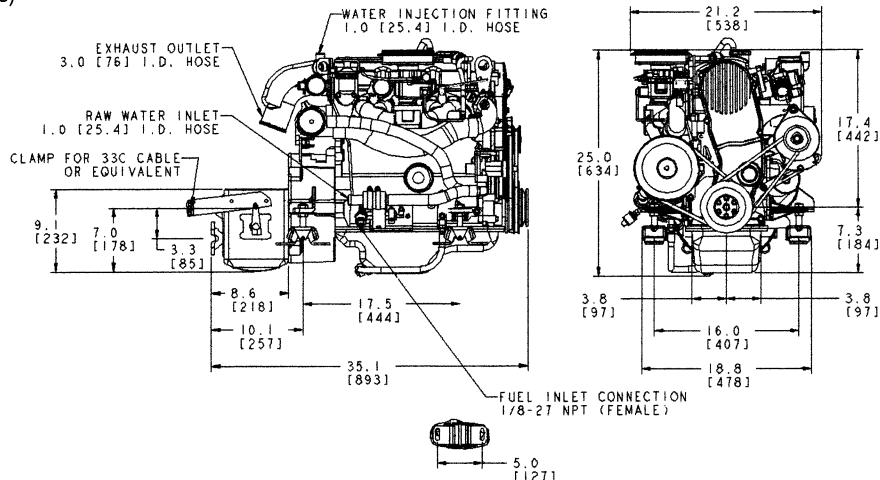
Number of cylinders	4 Cylinder vertical in-line
Cycles	4 Cycle
Displacement	133.3 cu. in. (2.2 liter)
Bore and stroke	3.38" x 3.70" (85.9 mm x 94.0 mm)
Compression ratio	9.2:1
Maximum angle of installation	Not to exceed 14°
Maximum angle of operation	Not to exceed 20°
Crankshaft, direction of rotation	Counterclockwise as viewed from flywheel end
Propeller shaft, direction of rotation	Right hand – std. trans.
Dry weight	421 lbs (190.9.5 kilos)
Aspiration	Naturally aspirated
Lubrication system	Forced lubrication by gear pump
Cooling system	5.75 quarts (5.44 liters)
Carburetor	Down draft type
Fuel filter	Full flow, spin-on element, replaceable
Lube oil filter	Full flow, spin-on element, replaceable
Lubricant capacity	1.25 quarts (4.73 liters) w/filter
Lube oil cooler	Fresh water cooled
Fuel transfer pump	Electrical
Fuel supply	1/4" ID (6.35 mm) minimum
Starting motor	12 volt, solenoid, actuated
Battery charging alternator	50 ampere (12 volts)
Cold cranking amps	250-300 amps
Electrical system	12 volts DC, negative ground

Optional Equipment

Captain panel with alarm (tachometer with lights)	
Admiral panel with alarms (tachometer with gauges)	
Dual station senders	
Other gear ratios	Consult local Distributor
Hydraulic transmissions	Consult local Distributor
Remote expansion tank	
Muffler and fittings	
"A" and "B" on board spare parts kits	
Anti-siphon valve for overboard cooling discharge water	
Technical Manual	
Exhaust connection (water injected 70° elbow)	
Propeller shaft couplings (rigid/flexible) – available standard sizes	

Dimensions

inches
(millimeters)



Authorized Dealer