

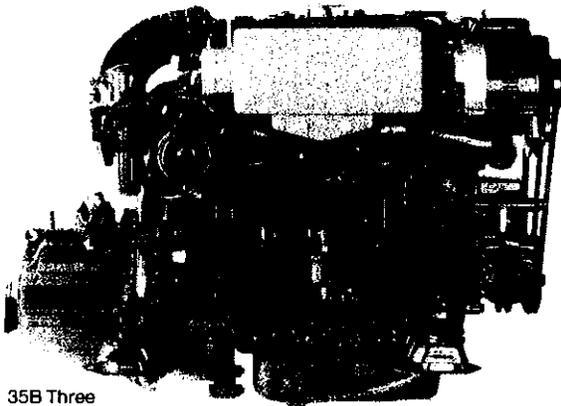
## Three cylinder, four cycle smoothness in a lightweight, compact engine

### A new generation of marine diesel engines

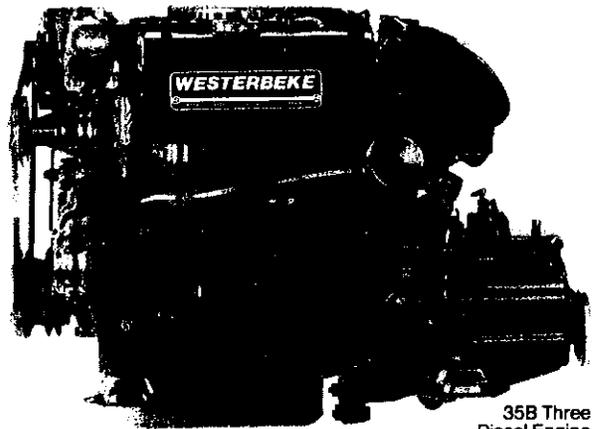
The new Westerbeke B advanced series engines have the smallest "envelope" available ("envelope" is the combined length, width, height). These lightweight low profile engines are designed to fit into the smallest of engine compartments. They are engineered by Westerbeke, pioneers in marine diesel engines, to provide consistent performance, quietness, durability and above all reliability, year after year.

The new B series engines are easy to install, economical to operate, and convenient to service. A full range of options is available allowing you to custom tailor your engine to fit your individual requirements.

Parts and service are available worldwide. Westerbeke engines and generators can be serviced by over 600 authorized dealers strategically located in major navigable waterways in the United States and Canada, as well as in 29 countries overseas.



35B Three  
Diesel Engine



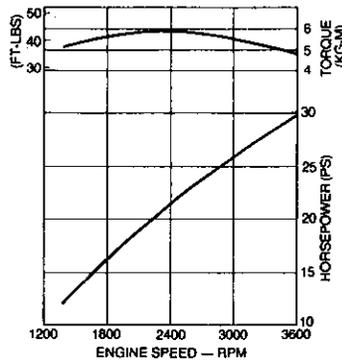
35B Three  
Diesel Engine

### Many features are standard equipment

- Fresh water cooling
- Engine prewired to plug-in connector
- Self-bleeding fuel system
- 12 volt 50 ampere alternator
- Flow control domestic hot water connections
- Coolant recovery tank
- Throttle, stop, and shift control brackets
- Low oil pressure and high water temperature alarms
- Gear-driven sea water pump
- Short profile marine gear with 2.47:1 reduction
- Glow plug cold starting aid
- Four point adjustable flex mounts
- Lube oil drain hose
- Flexible fuel supply and return connector
- Operator's Manual and Parts List

**Performance Data**

Horsepower and rpm

32 hp @ 3600 rpm  
23.8 KWMaximum torque and rpm  
41 lbs/ft @ 2300 rpmTypical fuel consumption  
0.055 US gal/hp/hr  
(0.208 liters/hp/hr)Typical fuel consumption  
@ 2500 rpm  
1.2 GPH  
4.54 L/H**Specifications**

<b>Number of cylinders</b>	<b>3 Cylinder vertical in-line</b>
<b>Cycles</b>	<b>4 Cycle</b>
<b>Displacement</b>	<b>68.23 cu. in. (1.118 liter)</b>
<b>Bore and stroke</b>	<b>3.07" x 3.07" (78 mm x 78 mm)</b>
<b>Compression ratio</b>	<b>23:1</b>
<b>Maximum angle of installation</b>	<b>Not to exceed 14°</b>
<b>Maximum angle of operation</b>	<b>Not to exceed 25°</b>
<b>Crankshaft, direction of rotation</b>	<b>Counterclockwise as viewed from flywheel end</b>
<b>Propeller shaft, direction of rotation</b>	<b>Right hand — std. trans.</b>
<b>Dry weight</b>	<b>368 lbs (166.9 kilos)</b>
<b>Combustion system</b>	<b>Swirl type</b>
<b>Aspiration</b>	<b>Naturally aspirated</b>
<b>Lubrication system</b>	<b>Forced lubrication by gear pump</b>
<b>Cooling system</b>	<b>6 quarts (5.68 liters)</b>
<b>Starting aid</b>	<b>12 volt sheathed type glow plug</b>
<b>Engine stop</b>	<b>Manual type</b>
<b>Fuel injection pump</b>	<b>Bosch type</b>
<b>Governor</b>	<b>Centrifugal type</b>
<b>Injectors</b>	<b>Throttle type</b>
<b>Fuel filter</b>	<b>Primary and secondary</b>
<b>Lube oil filter</b>	<b>Full flow, spin-on element</b>
<b>Lubricant capacity</b>	<b>1.057 US gal (4 liters)</b>
<b>Fuel transfer pump</b>	<b>Electrical</b>
<b>Fuel supply and return piping</b>	<b>1/4" ID (.635 mm) minimum 3/8" ID (.952 mm) maximum</b>
<b>Starting motor</b>	<b>12 volt, solenoid, actuated shift</b>
<b>Battery charging alternator</b>	<b>50 ampere (12 volts)</b>
<b>Cold cranking amps</b>	<b>190 amps</b>
<b>Alternator/regulator</b>	<b>Automatic, solid state built-in</b>
<b>Electrical system</b>	<b>12 volts DC, negative ground</b>

**Construction — Engine Components**

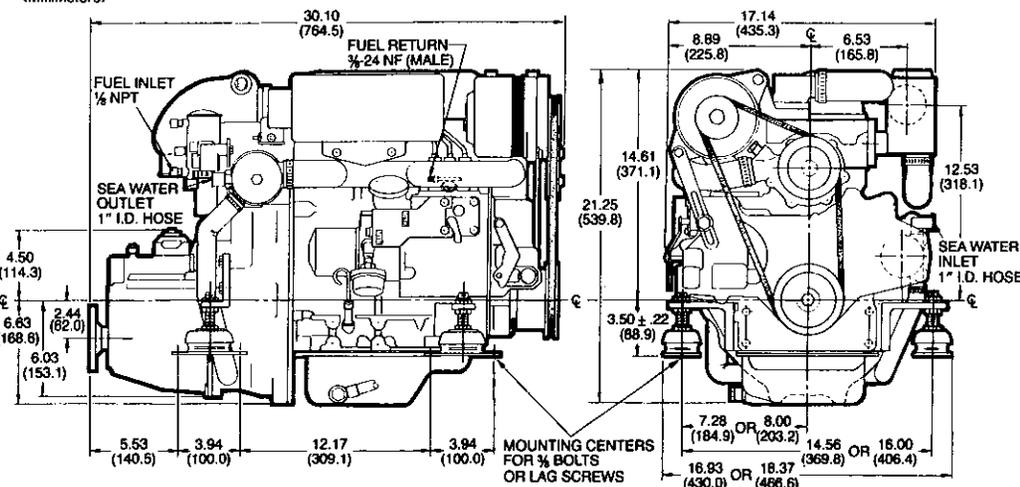
<b>Cylinder head</b>	<b>Cast iron</b>
<b>Cylinder block</b>	<b>Cast iron</b>
<b>Crankshaft</b>	<b>Forged crankshaft, four main bearings</b>
<b>Valves</b>	<b>Overhead valves, rotating type</b>
<b>Fuel system</b>	<b>Self bleeding</b>
<b>Intake system</b>	<b>Tuned intake silencer for maximum noise reduction</b>
<b>Cooling system</b>	<b>Fresh water-cooled with tube and shell type heat exchanger</b>
<b>Exhaust manifold</b>	<b>Cast aluminum, fresh water-cooled with built-in expansion tank</b>

**Standard Equipment**

<b>Standard gear ratio</b>	<b>2.47:1</b>
<b>Mounting centers</b>	<b>14.56" or 16.00"</b>
<b>Flexible mounts</b>	<b>Adjustable fail-safe rubber type</b>
<b>Flow control domestic hot water connection</b>	
<b>Coolant recovery tank</b>	
<b>Battery charging alternator</b>	
<b>Starting aid</b>	
<b>Control brackets</b>	<b>For all control attachments</b>
<b>Prewired Engine</b>	
<b>Gear-driven sea water pump</b>	
<b>Lube oil drain hose</b>	
<b>Gear oil cooler</b>	
<b>Oil fill</b>	<b>Top and service side</b>
<b>Flexible fuel supply and return connection</b>	
<b>Operator's Manual</b>	
<b>Parts List</b>	

**Optional Equipment**

<b>Captain panel with alarm (tachometer with lights)</b>	
<b>Admiral panel with alarms (tachometer with gauges)</b>	
<b>Dual station senders</b>	
<b>Other gear ratios</b>	<b>Consult local Distributor</b>
<b>Remote expansion tank</b>	
<b>Fuel/water separator</b>	
<b>Muffler and fittings</b>	
<b>"A" on board spare parts kit</b>	
<b>"B" extended cruising spare parts kit</b>	
<b>Anti-siphon valve for overboard cooling discharge water</b>	
<b>Technical Manual</b>	
<b>Exhaust connection (water injected 90°, 45° elbows &amp; riser)</b>	
<b>Propeller shaft couplings (rigid/flexible) — available standard sizes</b>	

**Dimensions**Inches  
(Millimeters)

Authorized Dealer