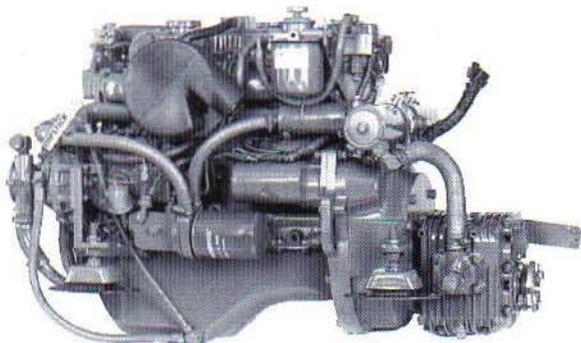


Low-end performance and reliability...



63D Four
Diesel Engine

Smooth, Quiet and Compact

Designed by Westerbeke, pioneers in lightweight marine diesel engines, the 63D Four offers 4-cylinder, 4-cycle smoothness in a lightweight, compact engine. To minimize vibration in the vessel, oversized engine mounts are incorporated in the design for a smooth ride. Another benefit is the 63D Four's low and narrow profile combined with its low weight.

Powerful and Reliable

The naturally aspirated design of the 63D Four provides extra low-end power as well as simplicity and reliability. For added dependability, the standard transmission, fresh water cooling system and captive, fail-safe, mounts are all oversized.

Easy Operation and Maintenance

In order to minimize engine maintenance, a fresh water cooling system, fresh water lube oil cooler as well as transmission oil cooler are designed to maintain optimum engine operating temperatures. A front mounted raw water pump, one side access to other servicing points and a self-bleeding fuel system provide easy, routine maintenance.

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.



63D Four
Diesel Engine

Standard Features

- Engine pre-wired to plug-in connector
- Circuit breaker protected electrical system
- Self-bleeding fuel system
- Gear-driven, raw water pump
- Fresh water cooled engine
- Fresh water lube oil 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
- Oversized marine transmission with 2.7:1 reduction
- Glow plug cold starting aid
- Engine matched four-point, fail-safe, adjustable mounts
- Lube oil drain hose
- Tuned air intake silencer
- Operators' manual and parts list
- "CE" Mark
- Large list of factory engineered options

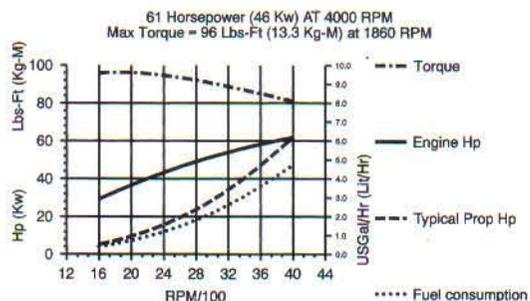


Optional Admiral Panel

Admiral Panel Dimensions

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

Performance Data



Westerbeke recommends a propeller that will allow the engine to turn 3600-4000 RPM underway at full throttle

Specification

Number of cylinders	4 Cylinder vertical in-line
Cycles	4 Cycle
Displacement	144.4 cu. in. (2.32 liter)
Bore and stroke	3.6" x 3.5" (92 mm x 89 mm)
Compression ratio	21:1
Maximum angle of installation	Not to exceed 14°
Maximum angle of operation	Not to exceed 25°
Crankshaft, direction of rotation	Counterclockwise as viewed from flywheel end
Propeller shaft, direction of rotation	Right hand – std. trans.
Dry weight	614 lbs (278.5 kilos)
Combustion system	Swirl type
Aspiration	Naturally aspirated
Lubrication system	Forced lubrication by gear pump
Cooling system	10.5 quarts (9.9 liters)
Starting aid	12 volt sheathed type glow plug
Engine stop	Electric plus manual lever
Fuel injection pump	Bosch type
Governor	Centrifugal type
Injectors	Throttle type
Fuel filter	Full flow, spin-on element
Lube oil filter	Full flow, spin-on element
Lubricant capacity	1.25 US gal (4.73 liters)
Lube oil cooler	Fresh water cooled
Fuel transfer pump	Electrical
Fuel supply and return piping	1/4" ID (6.35 mm) minimum 3/8" ID (9.53 mm) maximum
Starting motor	12 volt, solenoid, actuated shift
Battery charging alternator	50 ampere (12 volts)
Cold cranking amps	205 amps
Electrical system	12 volts DC, negative ground

Construction – Engine Components

Cylinder head	Cast Iron
Cylinder block	Cast Iron
Crankshaft	Forged crankshaft, five main bearings
Valves	Overhead valves, rotating type
Fuel System	Self bleeding
Intake system	Tuned intake silencer for maximum noise reduction
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

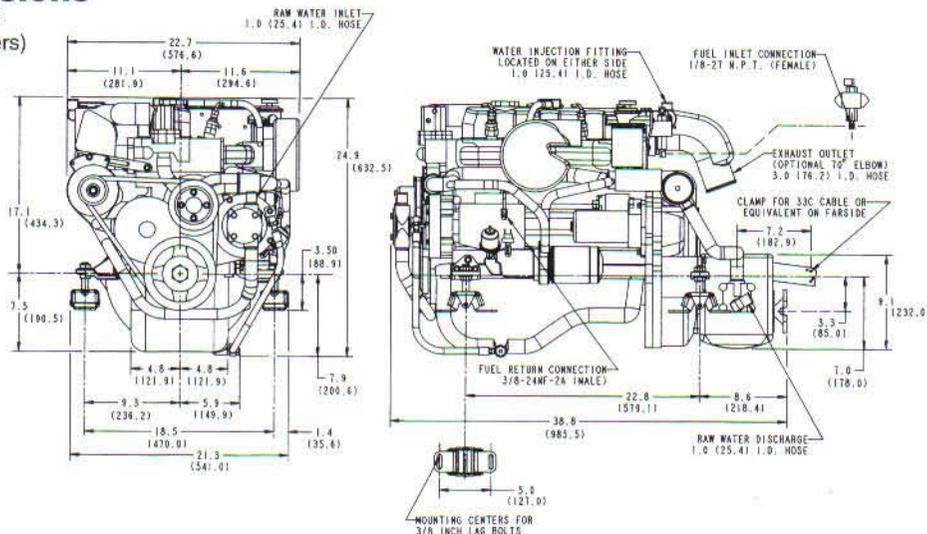
Standard gear ratio	2.74:1
Mounting centers	18.5"
Flexible mounts	Engine matched adjustable fail-safe neoprene type
Domestic hot water connection	
Coolant recovery tank	
Starting aide	
Control brackets	Throttle and shift
Prewired Engine	
Gear-driven sea water pump	
Lube oil cooler in fresh water system	
Lube oil drain hose	
Transmission oil cooler	
Oil fill	Top
Circuit breaker protected electrical system	
Operator's Manual and Parts List	

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	
Provisions for refrigeration compressor	
Muffler and fittings	
"A" and "B" on board spare parts kits	
Alternator, 90 amp single output; 135, 165, 190 dual output	
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