

Specializing in **Perkins** marine diesel engines for over 30 years.

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MENU



Model  
42B FOUR



42 HP

Westerbeke Model 42B FOUR - Features

Four cylinder, four cycle smoothness in a lightweight, compact engine.  
A generation of Marine Diesels.



The Westerbeke B advanced series engines have the smallest "envelope" available ("envelope" is the combined length, width, height). These light-weight low profile engines are designed to fit into the smallest 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 B series engines are easy to install, economical to operate, and convenient to service.

A full range of options are available allowing you to custom tailor your engine to fit your individual requirements.

Westerbeke Model 42B FOUR - Standard Equipment

- Fresh water cooling
- Engine prewired to plug-in connector
- Circuit breaker protected electrical system
- 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 - fail-safe rubber type
- Mounting centers - 14.56" or 16.00"
- Lube oil drain hose
- Gear oil cooler
- Oil fill - Top and service side
- Tuned air intake silencer
- Operator's Manual and Parts List

Westerbeke Model 42B FOUR - Optional Equipment

- Captain panel with alarms (tachometer with lights)
- Admiral panel with alarms
- "A" on board spare parts kit
- "B" extended cruising

- (tachometer with gauges)
- Dual station senders
- Other gear ratios - Contact us for more information
- Remote expansion tank
- Hydraulic transmissions - Contact us for more information
- Muffler and fittings
- 72 amp alternator in place of standard

- spare parts kit
- Anti-siphon valve for overboard cooling discharge water
- Technical Manual
- Exhaust connection (water injected 90°, 45° elbows & riser)
- Propeller shaft couplings (rigid/flexible) - available standard sizes

## Westerbeke Model 42B FOUR - Specifications

**Number of Cylinders:** 4 Cylinder vertical in-line

**Cycles:** 4 Cycle

**Displacement:** 90.93 cu. in. (1.49 litres)

**Bore and Stroke:** 3.07" x 3.07" (78 mm x 78 mm)

**Compression Ratio:** 23:1

**Maximum Angle of Installation:** Not to exceed 14°

**Maximum Angle of Operation:** Not to exceed 25°

**Crankshaft Rotation:** Counterclockwise as viewed from flywheel end

**Propeller Shaft Direction of Rotation:** Right hand - Standard Transmission

**Dry Weight:** 419 lbs (190 kg)

**Combustion System:** Swirl type

**Aspiration:** Naturally aspirated

**Lubrication System:** Forced lubrication by gear pump

**Cooling System:** 7 US quarts (6.6 litres)

**Starting Aid:** 12 volt sheathed type glow plug

**Engine Stop:** Manual type

**Fuel Injection Pump:** Bosch type

**Governor:** Centrifugal type

**Injectors:** Throttle type

**Fuel Filter:** Primary and secondary

**Lube Oil Filter:** Full flow, spin-on element

**Lubricant Capacity:** 01.189 US gal (4.5 litres)

**Fuel Transfer Pump:** Electric

**Fuel Supply and Return Piping:** 1/4" ID (6.35 mm) min. - 3/8" ID (9.52 mm) max.

**Starting Motor:** 12 volt, solenoid, actuated shift

**Battery Charging Alternator:** 50 amps (12 volts)

**Cold Cranking Amps:** 190 amps

**Alternator / Regulator:** Automatic, solid state built-in

**Electrical System:** 12 volts DC, negative ground

## Westerbeke Model 42B FOUR - Construction

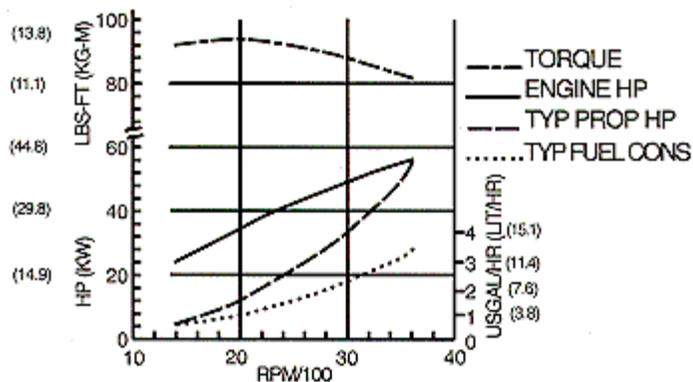
<b>Cylinder Head:</b>	Cast iron
<b>Cylinder Block:</b>	Cast iron
<b>Crankshaft:</b>	Forged crankshaft, four main bearings
<b>Valves:</b>	Overhead valves, rotating type
<b>Fuel System:</b>	Self bleeding
<b>Intake System:</b>	Tuned intake silencer for maximum noise reduction
<b>Cooling System:</b>	Fresh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

## Westerbeke Model 42B FOUR - Performance Chart

**Maximum Power:** 42 hp (31.3 Kw) @ 3600 RPM

**Maximum Torque:** 56 lbs / ft. (75.9 Nm) @ 1920 RPM

Westerbeke recommends a propeller that will allow the



engine to turn 3500-3600 rpm at full throttle.

**Westerbeke Model 42B FOUR - Installation Dimensions**



[Click here to view printable installation dimensions.](#)

Please call us at 1-800-927-9295 for more information

or

[Request Purchasing Information by E-mail.](#)

Contact us for your marine diesel engine needs.

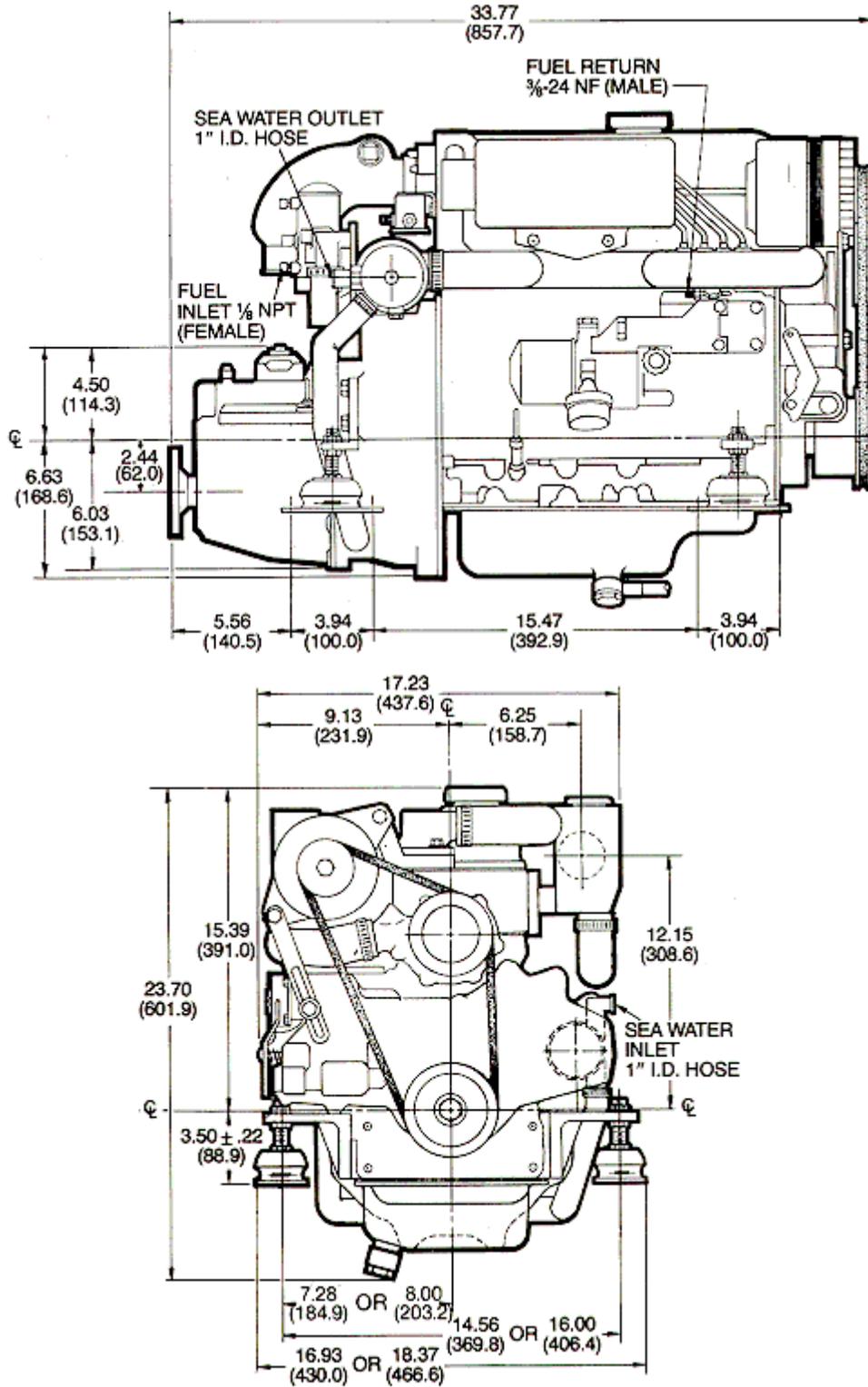


<p>(Mail) <b>Trans Atlantic Diesels Inc.</b> P.O. Box 70 White Marsh, VA 23183</p>		<p>(Ship) <b>Trans Atlantic Diesels Inc.</b> 5906 Fairfield Lane Hayes, VA 23072</p>
<p>TEL: (804)642-9296      FAX: (804) 642-0340  <b>Engine / Parts National Watts Order Line: 1-800-927-9295</b>            Business Hours:            Monday through Friday: 8:00 AM to 5:00 PM            By Appointment on Saturday: 8:00 AM to 12 Noon            Email- <a href="mailto:tadinc@earthlink.net">tadinc@earthlink.net</a></p>		
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TRANS ATLANTIC DIESELS INC.

WESTERBEKE MODEL 42B FOUR INSTALLATION DIMENSIONS

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(Mail) Trans Atlantic Diesels Inc. (Ship) Trans Atlantic Diesels Inc.  
P.O. Box 70 5906 Fairfield Lane

White Marsh, VA 23183

Hayes, VA 23072

TEL: (804)642-9296 FAX: (804) 642-0340

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