A NEW GENERATION OF MARINE ENGINES

The Westerbeke 27 provides 4 cylinder, four cycle smoothness in a lightweight, compact engine. Cylinder head and block are of cast iron for strength and long life while aluminum is used in non-wearing parts for lightweight. The performance from this 80 cubic inch engine will amaze you. Standard equipment not usually found on engines this size include Fresh Water Cooling, 12 Volt 50 Amp Alternator, Pre-wired Electrical System, Self-Bleeding Fuel System and a convenient Oil Drain System to eliminate messy oil changes.

The Westerbeke 27 is the smallest four cylinder diesel in the Westerbeke family of marine engines. Additional diesel engines are available from 10 to 120 hp all fresh water cooled and all built for performance, durability and economical operation… A true family of marine engines with standardized features and commonized parts for higher quality at lower costs.

Photo courtesy of Hinterhoeller Yachts LTD.

ENGINES: 10.2, 13, 21, 27, 33, 40, 52, 58, 70, 80, 100, 120

Fresh Water Cooled Diesels from Westerbeke.
A SMALL LIGHT 4 CYLINDER 4 CYCLE DIESEL ENGINE

QUALITY CONSTRUCTION — fresh water cooling with thermostatic controls, 50 amp alternator with radio shielding, metallic water piping wherever possible for endurance, cog-type alternator belts reduce slippage, glow plug cold weather starting aid, oversized 3" diameter heat exchanger, shut-off function built into throttle control, cast iron head and block for long life.

PARTS SUPPLY — nationwide stock of parts for Westerbeke engines and generators means better service from an expanding network of stocking distributors and dealers.

EXCEPTIONAL SMOOTHNESS — 4 cylinder 4 cycle engine, high inertia flywheel, vibration isolating mounts.

SELF BLEEDING FUEL SYSTEM — Restarts after running out of fuel without manual air bleeding.

VERY LIGHT WEIGHT — aluminum water-cooled two pass exhaust manifold and flywheel housing, save weight without sacrificing cast iron head and block.

EASE OF MAINTENANCE — removable end caps on heat exchanger for easy clean out, convenient oil drain system needs no hand pump, all wiring is led to a single 8-pin connector; heavy duty zinc anodes for heat exchanger.

EXCEPTIONAL QUIETNESS — custom designed, tuned intake silencer reduces intake air noise; modern swirl type combustion chamber design softens diesel clatter.

STANDARD EQUIPMENT
Short profile 2-1 manual transmission • Propeller half coupling
Adjustable flex isolator engine mounts (15° on center)
Fresh water cooling system • Coolant recovery tank
12 volt 50 ampere alternator • Glow plug cold weather starting aid
Throttle, stop, and shift control brackets • Water Injected Exhaust Elbow • Operators manual • Engine pre-wired at the factory with a single 8 pin connector

OPTIONAL EQUIPMENT
Various accessory front pulleys
Hydro-Hush Muffler
Sea Water Strainer
Alternator Output Splitter
Five function Electric Instrument Panel including Hour Meter and Tachometer
Various optional transmissions
Front exhaust outlet for Vee Drive applications

CALL YOUR WESTERBEKE REPRESENTATIVE

OR CONTACT THE...

J. H. WESTERBEKE CORP.

MR7500 12/83
Avon Industrial Park, Avon, MA 02322, (617) 588-7700
Cable: Westcorp, Avon, Tellex: 92-4444
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PERFORMANCE DATA

Maximum Power Output ................................ 30/3000 RPM
Typical Fuel Consumption Rate ............................ .63US gal/HP/hr
Typical Fuel Consumption Rate at 2500 RPM ............. 1.0US gal/hr
Capacity of Lubricant ....................................... 4 Qts
Capacity of Coolant .......................................... 8½ Qts

SPECIFICATIONS

Model Number .............................................. Westerbeke 27
Engine Type ................................................ 4 cycle, water cooled, naturally aspirated, vertical overhead valve, diesel engine
Cylinder arrangement ...................................... 4 cylinders in line
Bore & Stroke .............................................. 2.87" x 3.07" (73mm x 78mm)
Displacement ............................................... 80 cubic inch (1.3 litre)
Compression ratio .......................................... 23 to 1
No. of main bearings ...................................... 5
Rotation ..................................................... SAE Std. (clockwise facing front end)
Fuel Injection Pump ...................................... Bosch Distributor Type
Governor ..................................................... Mechanical centrifugal type
Starting motor ............................................. Geared electric motor, 12 Volt.
Fuel pump ................................................... Electric plunger type
Starting aid .................................................. 12 Volt sheathed type glow plug
Dry weight of engine (w/trans.) ............................. 434 lbs.
Power take-off .............................................. Various crankshaft pulleys

PERFORMANCE CURVES

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EXCEPTIONAL SMOOTHNESS — 4 cylinder 4 cycle engine, high inertia flywheel, vibration isolating mounts.

SELF BLEEDING FUEL SYSTEM — Bosch-type fuel injection system and electric fuel pump, combined with Westerbeke's self-bleeding device.

VERY LIGHT WEIGHT — aluminum water-cooled two pass exhaust manifold and flywheel housing, save weight without sacrificing cast iron head and block.

EASE OF MAINTENANCE — removable end caps on heat exchanger for easy clean out, convenient oil drain system needs no hand pump, all wiring is timed for corrosion resistance and led to a single 8-pin connector; heavy duty zinc anodes for heat exchanger.

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