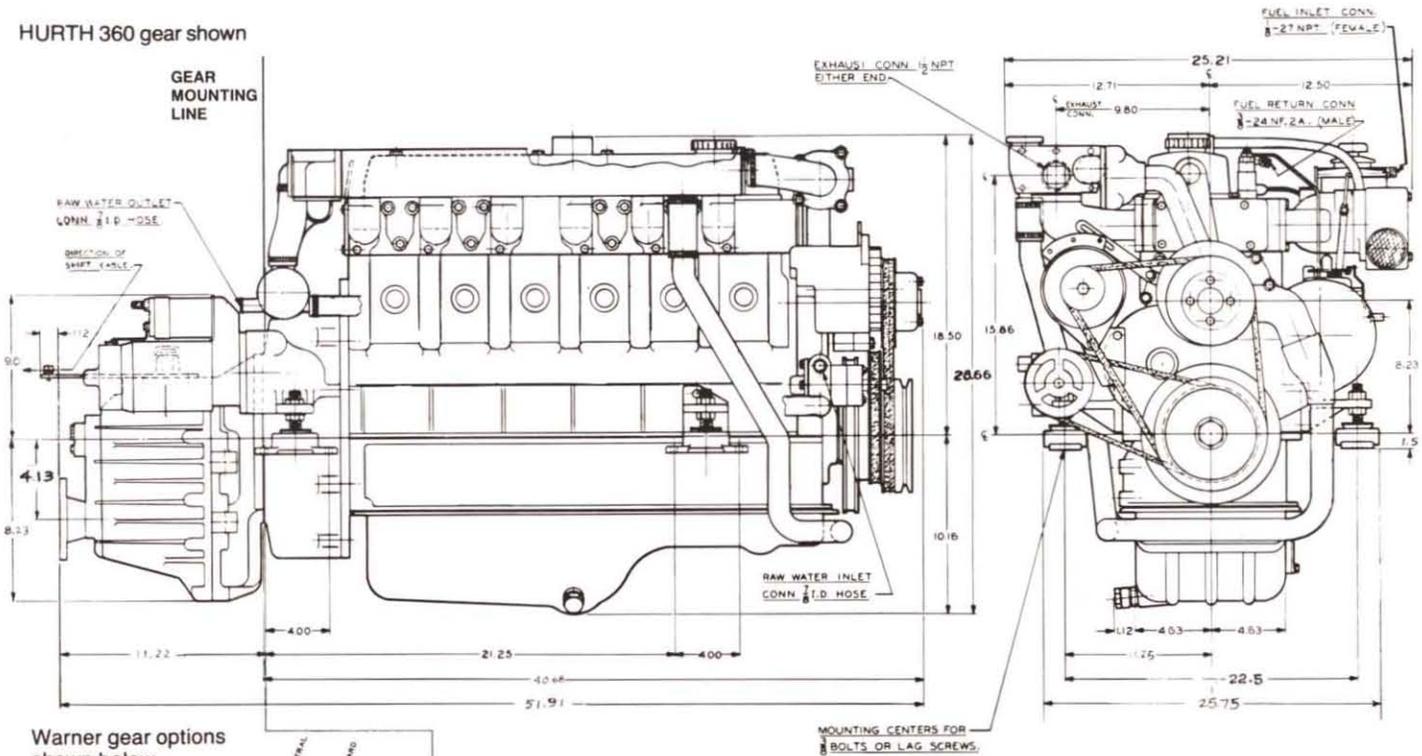


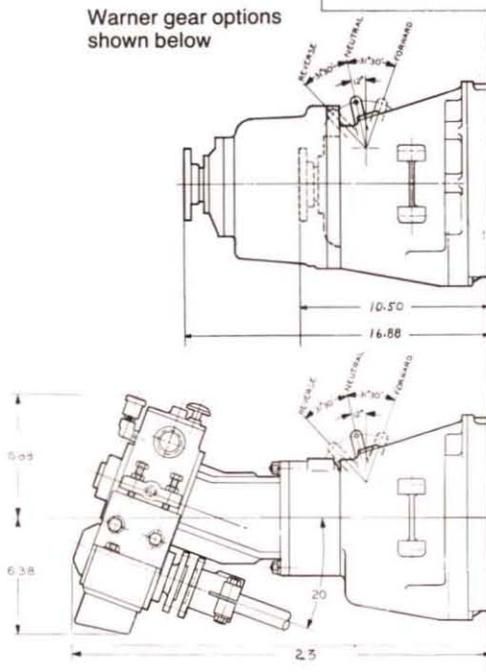
WESTERBEKE 100

smooth quiet efficient power
in a 100 hp marine diesel

HURTH 360 gear shown



Warner gear options shown below



Features

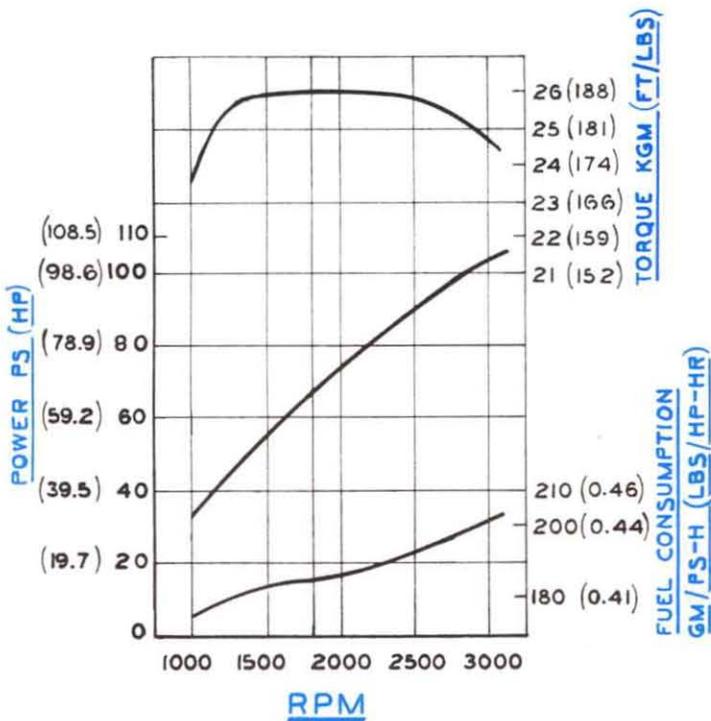
1. Thin-walled, lightweight, yet tough and high-performance diesel engine realized by high-precision casting technique.
2. The swirl type precombustion chamber aids for complete combustion in all engine speed ranges and assures outstanding performance in power output and fuel economy.
3. The cross-drilled coolant passage directs jets of coolant around the combustion chamber; this, coupled with the oil cooling by oil cooler, enables the engine to withstand continued operation under heavy load.
4. Since it is a well balanced 6 cylinder engine, there's very little vibration and noise.
5. The glow plug together with the swirl type precombustion chamber gives outstanding starting-up performance.
6. Fresh water cooling of both jacket and water and lube oil.
7. Self-bleeding fuel system.

**INCREASE ENJOYMENT AND PRIDE OF OWNERSHIP
WITH A WESTERBEKE 100 IN YOUR BOAT.**



ENGINES: 10, 13, 21, 27, 33, 44, 52, 58, 70, 100, 120

Fresh Water Cooled Diesels from Westerbeke.



PERFORMANCE

Maximum Torque 27 Kg. m (195.3 lb. ft.)/1800 r.p.m.
 One hour Rated Power Output 75 PS/2000 r.p.m. 90.5 PS/2500 r.p.m. 103 PS/3000 r.p.m.
 Continuous Rated Power Output 63.8 PS/2000 r.p.m. 77 PS/2500 r.p.m. 87.6 PS/3000 r.p.m.
 Specific Fuel Consumption 180 gr/PS-hr (0.403 lb/HP-hr)
 Capacity of Lubricant 11.3 L (11.9 qt)
 Capacity of Coolant (engine only) 10 L (10.6 qt)

*Performance is based on JIS standard atmospheric condition (atmospheric pressure 760 mm Hg, temp 20°C, humidity 65%) without cooling fan. Conversion to BHP is to be made at 1 HP = 0.9859 PS

STANDARD EQUIPMENT

- HBW-360 HURTH 2:1 Transmission with Shaft Coupling
- Adjustable flex isolator engine mounts
- Fresh water cooling system
- Coolant Recovery Tank
- 12 volt 55 ampere alternator
- Throttle and shift control brackets
- Water Injected Exhaust Elbow for 2 3/8" I.D. Hose
- Engine pre-wired at the factory with a single 8 pin connector
- Operators manual

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
- A wide variety of Manual and Hydraulic Transmissions are available in various Reduction Gears and Vee Drives.

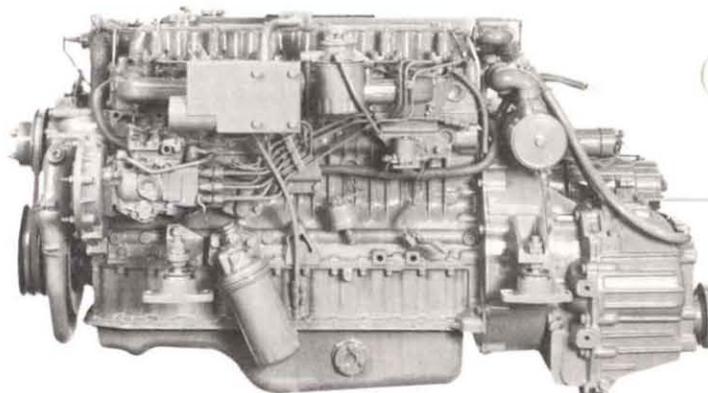


NOTES

1. Cylinder Head: Special cast iron cylinder head precision-cast under the shell moulding process and soft-gas-nitrided for increased durability. The intake and exhaust ports are arranged for crossflow to raise intake and exhaust efficiency. The swirl type precombustion chamber is used.
2. Cylinder Block: Weight reduction achieved by technologies of thin wall ductile cast iron and half skirt. The water rail is designed to provide uniform distribution of coolant to the cylinder head. The cylinder liner is of the dry type of high-phosphorus cast iron, which is given special honing to provide quick seating, good oil retention, thus increasing wear resistance.
3. Crank Mechanism: The crankshaft is of the 7 bearings type. The piston is of Lo-Ex alloy with oval skirt and is equipped with 3 compressed rings and 2 oil rings. The piston pin is offset by 1.5 mm for quiet operation.
4. Valve Mechanism: OHV with both the intake and exhaust valves designed to rotate to provide a longer lasting seal between valve and valve seat.
5. Intake and Exhaust System: The independent branch type intake manifold is used to increase intake efficiency.

Main Specifications

Number of Cylinders & Arrangement 6 In-Line
 Cylinder Bore & Stroke (3.62" x 4")
 Displacement 4.0521 (247.2 in³)
 Compression Ratio 21.0
 Combustion Chamber Swirl Type
 Firing Order 1 5 3 6 2 4
 Rotating Direction Clockwise viewed from Fan
 Valve Arrangement Overhead Valve
 Injection Pump Bosch distributor type
 Governor mechanical (Built in Pump)
 Lubrication Method Pressure feed type
 Cooling Method Fresh water by heat exchanger
 Starting Aid System Glow Plug
 Electrical System Voltage 12 Volts
 Dry Weight of engine (885 lbs.)



CALL YOUR WESTERBEKE REPRESENTATIVE

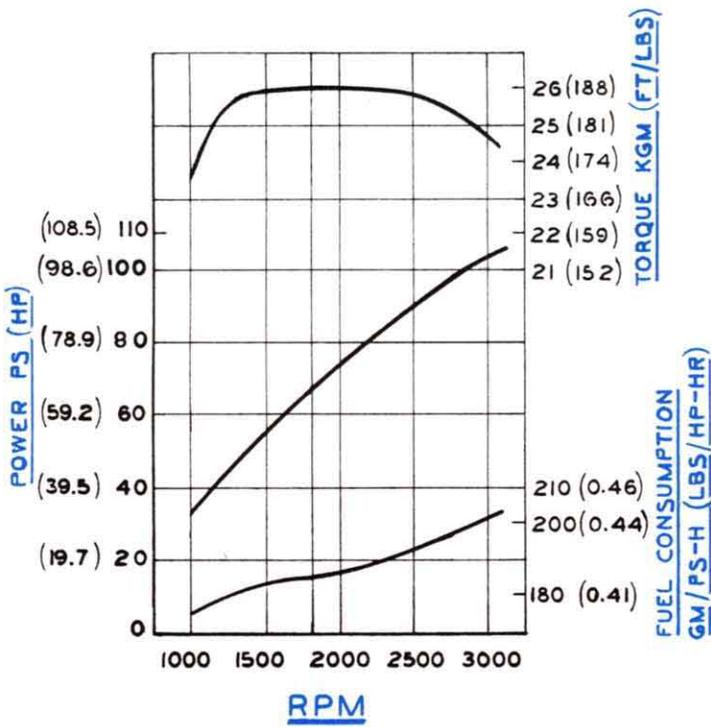


OR CONTACT THE . . .



J. H. WESTERBEKE CORP.

Avon Industrial Park, Avon, MA 02322, (617) 588-7700
 Cable: Westcorp, Avon, Telex: 92-4444



NOTES

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Main Specifications

Number of Cylinders & Arrangement	6 In-Line
Cylinder Bore & Stroke	(3.62" x 4")
Displacement	4.0521 (247.2 in ³)
Compression Ratio	21.0
Combustion Chamber	Swirl Type
Firing Order	1 5 3 6 2 4
Rotating Direction	Clockwise viewed from Fan
Valve Arrangement	Overhead Valve
Injection Pump	Bosch distributor type
Governor	mechanical (Built in Pump)
Lubrication Method	Pressure feed type
Cooling Method	Fresh water by heat exchanger
Starting Aid System	Glow Plug
Electrical System Voltage	12 Volts
Dry Weight of engine	(885 lbs.)

Performance

Maximum Torque	27 Kg. m (195.3 lb. ft.)/1800 r.p.m.
One hour Rated Power Output	75 PS/2000 r.p.m. 90.5 PS/2500 r.p.m. 103 PS/3000 r.p.m.
Continuous Rated Power Output	63.8 PS/2000 r.p.m. 77 PS/2500 r.p.m. 87.6 PS/3000 r.p.m.
Specific Fuel Consumption	180 gr/PS-hr (0.403 lb/HP-hr)
Capacity of Lubricant	11.31 (11.9 qt)
Capacity of Coolant (engine only)	101 (10.6 qt)

*Performance is based on JIS standard atmospheric condition (atmospheric pressure 760 mm Hg. temp 20°C, humidity 65%) without cooling fan. Conversion to BHP is to be made at 1 HP = 0.9859 PS

STANDARD EQUIPMENT

- HBW-360 HURTH 2:1 Transmission
- Adjustable flex isolator engine mounts (20" or 22½" centers)
- Fresh water cooling system
- Coolant Recovery Tank
- 12 volt 55 ampere alternator
- Throttle, and shift control brackets
- Glow plug cold weather starting aid
- Engine pre-wired at the factory with a single 8 pin connector
- Operators manual

OPTIONAL EQUIPMENT

- Various accessory front pulleys
 - Water Injected Exhaust Elbow
 - Hydro-Hush Muffler
 - Sea Water Strainer
 - Alternator Output Splitter
 - Five Function Electric Instrument Panel including Hour Meter and Tachometer
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