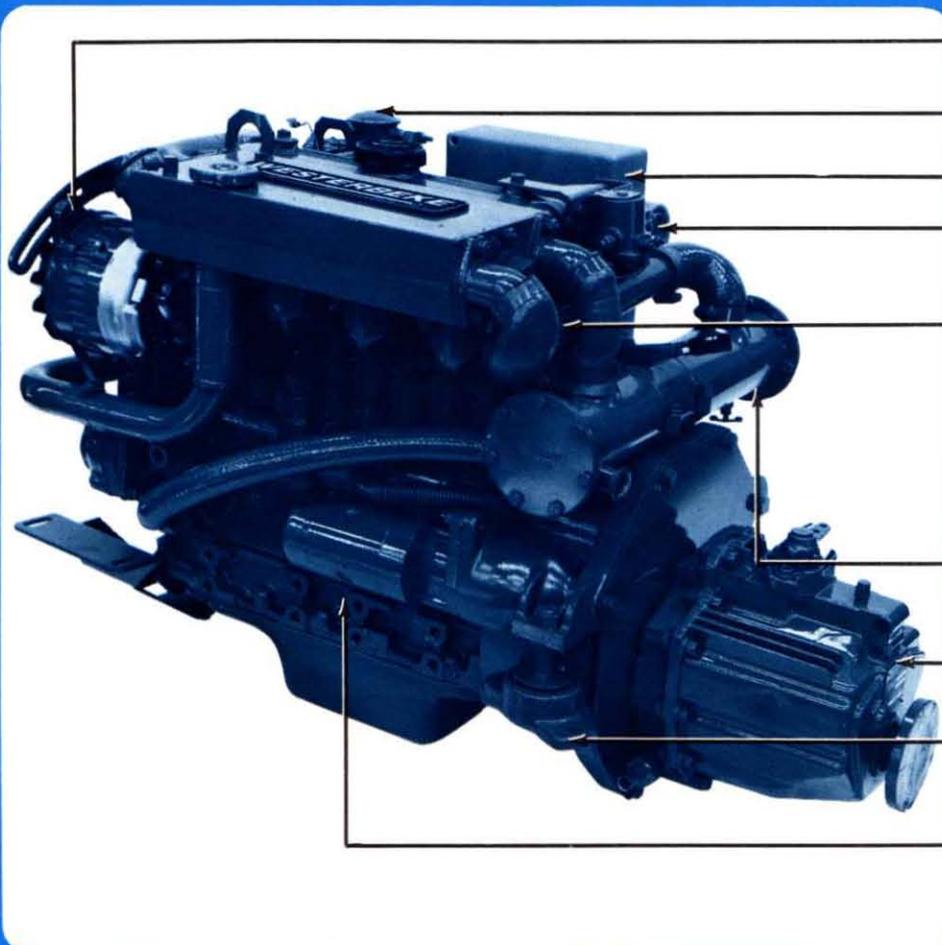


# WESTERBEKE

# 27

## The smallest four cylinder marine diesel available



12 VOLT 50 AMP ALTERNATOR

SELF-BLEEDING FUEL SYSTEM

TUNED AIR INTAKE SILENCER

CIRCUIT BREAKER  
AND PRE-HEAT SOLENOID

FRESH WATER COOLED TWO  
PASS ALUMINUM MANIFOLD THAT  
INCLUDES A REMOTE COOLANT  
RECOVERY TANK FOR  
CONTINUOUS MONITORING OF  
THE COOLING SYSTEM

HEAT EXCHANGER W/ REMOVABLE  
END CAPS

SHORT PROFILE TRANSMISSION

ADJUSTABLE FLEX ISOLATOR  
ENGINE MOUNTS 15" ON CENTER

HEAVY DUTY 12 VOLT GEARED  
STARTING MOTOR

## 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, Prewired 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.

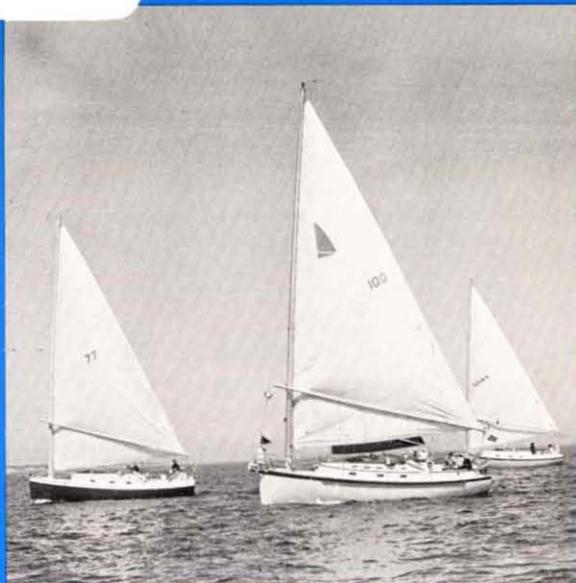


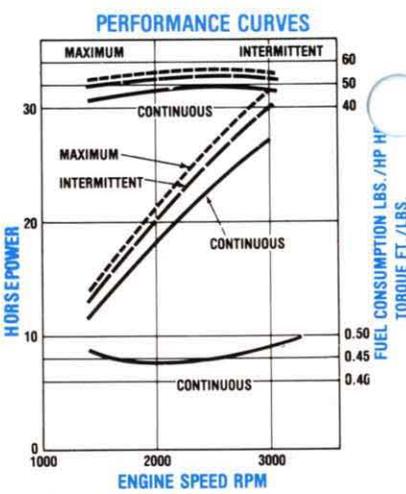
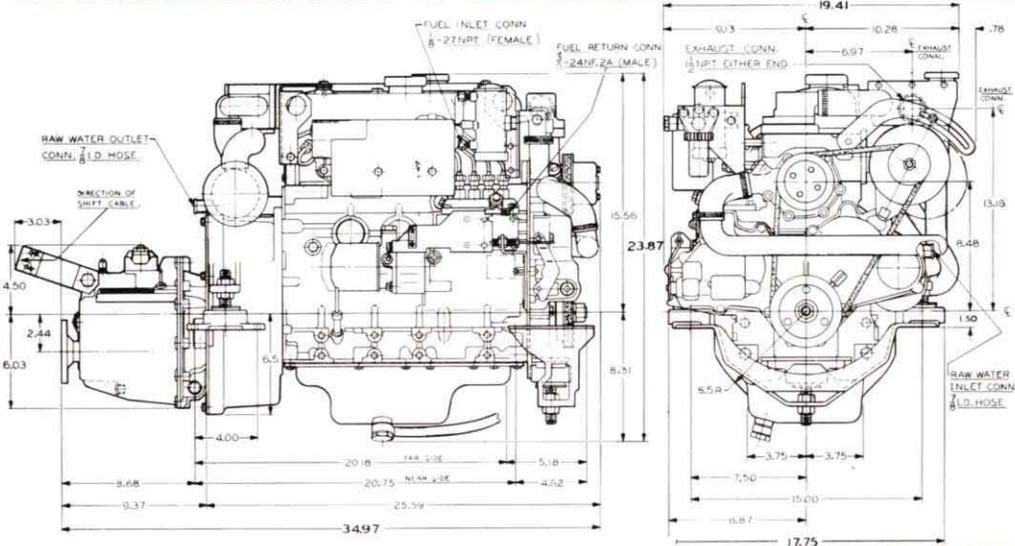
Photo courtesy of Hinterhoeller Yachts LTD.

**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

**WESTERBEKE 27**



**PERFORMANCE DATA**

**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



Maximum Power Output	30/3000 RPM
Typical Fuel Consumption Rate	.063US gal/HP/hr
Typical Fuel Consumption Rate at 2500 RPM	
When Wheeled to Turn 3000 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"x3.07" (73mm.x78mm.)
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 Individual plunger for each cylinder, cam driven in a precision housing machined in block for rigidity and accuracy.
Regulator	IC (built in type)
Injectors	Pintle type
Combustion Chamber	Swirl type for easy starting and quiet operation
Firing order	1-3-4-2
Governor	Mechanical centrifugal type
Fuel filter	Paper element type
Lubricating device	Forced lubrication by trochoid pump
Lub. oil filter	Full flow, spin on, paper element type
Starting motor	Geared electric motor, 12 Volt.
Starting aid	12 Volt sheathed type glow plug
Fuel pump	Electric plunger type
Dry weight of engine (w/trans.)	434 lbs.
Power take-off	Various crankshaft pulleys

**CALL YOUR WESTERBEKE REPRESENTATIVE**

OR CONTACT THE . . .



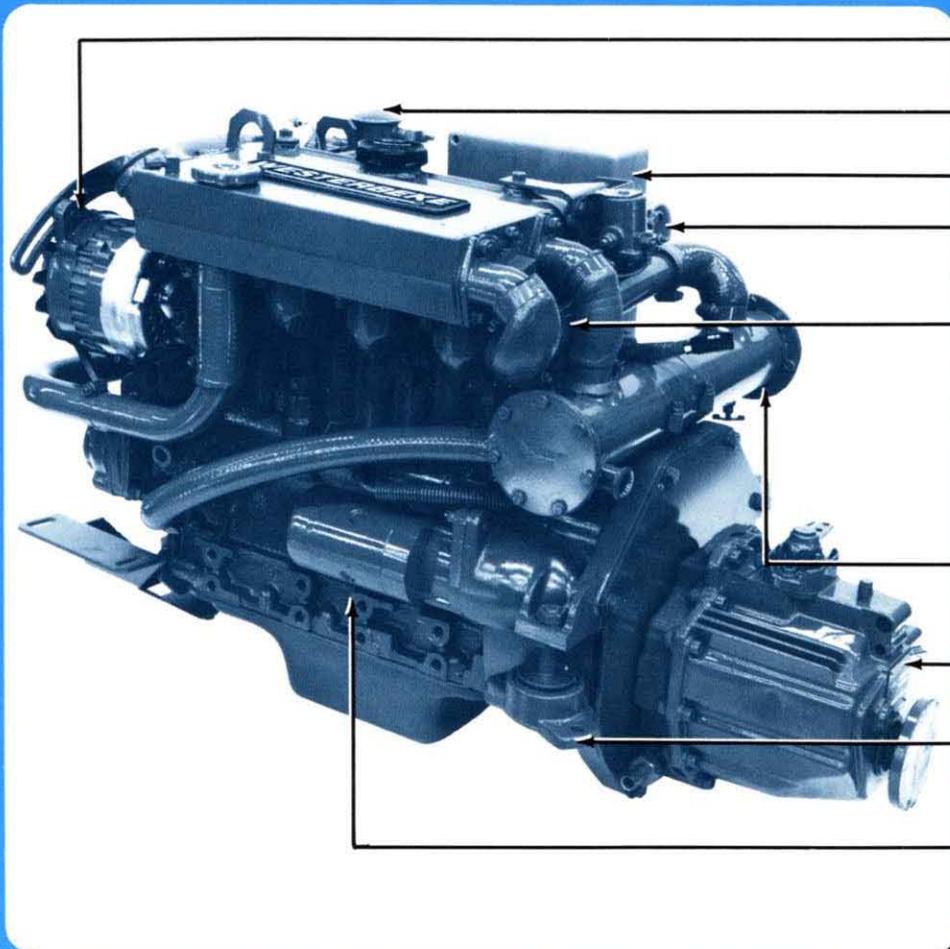
**J. H. WESTERBEKE CORP.**

MR7500 12/83

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

# WESTERBEKE 27

**The smallest four cylinder marine diesel available**



12 VOLT 50 AMP ALTERNATOR

SELF-BLEEDING FUEL SYSTEM

TUNED AIR INTAKE SILENCER

CIRCUIT BREAKER  
AND PRE-HEAT SOLENOID

FRESH WATER COOLED TWO  
PASS ALUMINUM MANIFOLD THAT  
INCLUDES A REMOTE COOLANT  
RECOVERY TANK FOR  
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HEAT EXCHANGER W/ REMOVABLE  
END CAPS

SHORT PROFILE TRANSMISSION

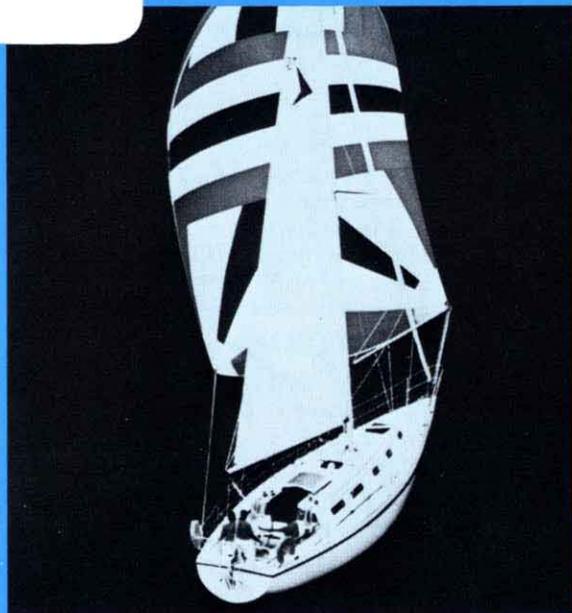
ADJUSTABLE FLEX ISOLATOR  
ENGINE MOUNTS 15" ON CENTER

HEAVY DUTY 12 VOLT GEARED  
STARTING MOTOR

## 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, Prewired 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 13 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.



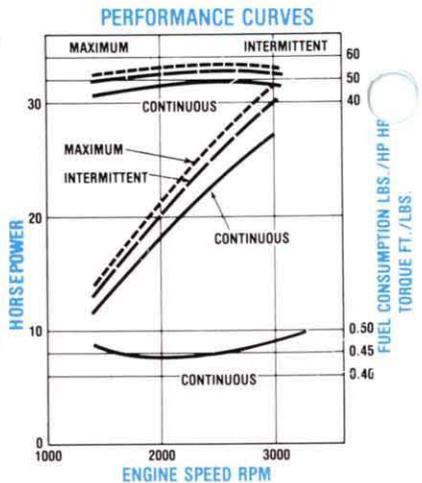
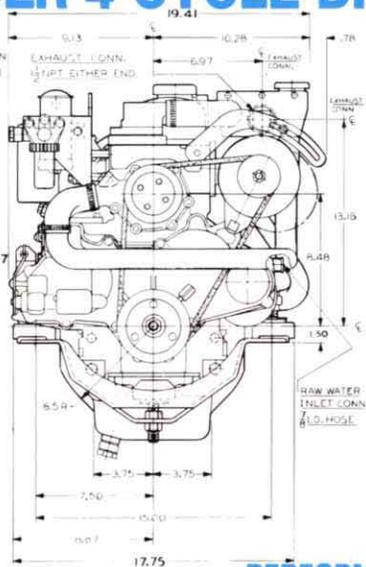
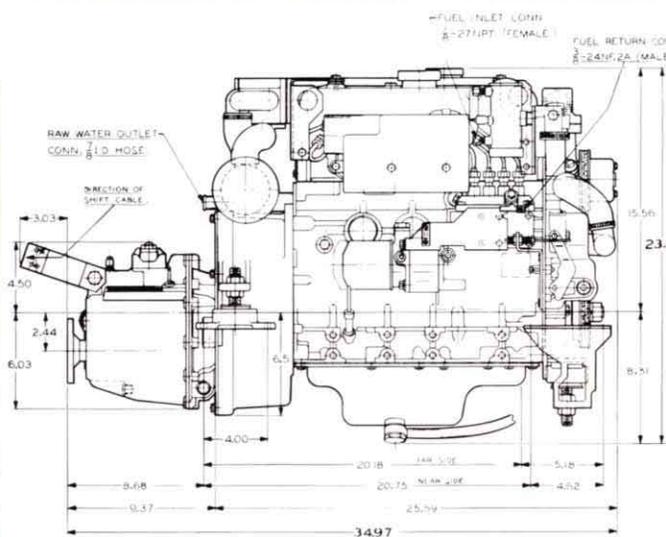
SEAFARER 37 BY SEAFARER YACHTS INC.



**ENGINES: 13, 21, 27, 30, 33, 40, 50, 52, 58, 70, 80, 100, 120**

*Fresh Water Cooled Diesels from Westerbeke.*

# A SMALL LIGHT 4 CYLINDER 4 CYCLE DIESEL ENGINE



## PERFORMANCE DATA

- Maximum Power Output . . . . . 30/3000 RPM
- Typical Fuel Consumption Rate . . . . . .063US gal/HP/hr
- Typical Fuel Consumption Rate at 2500 RPM
- When Wheeled to Turn 3000 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"x3.07" (73mm.x78mm.)
- 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 Individual plunger for each cylinder, cam driven in a precision housing machined in block for rigidity and accuracy.
- Regulator . . . . . IC (built in type)
- Injectors . . . . . Pintle type
- Combustion Chamber . . . . . Swirl type for easy starting and quiet operation
- Firing order . . . . . 1-3-4-2
- Governor . . . . . Mechanical centrifugal type
- Fuel filter . . . . . Paper element type
- Lubricating device . . . . . Forced lubrication by trochoid pump
- Lub. oil filter . . . . . Full flow, spin on, paper element type
- Starting motor . . . . . Geared electric motor, 12 Volt.
- Starting aid . . . . . 12 Volt sheathed type glow plug
- Fuel pump . . . . . Electric plunger type
- Dry weight of engine (w/trans.) . . . . . 434 lbs.
- Power take-off . . . . . Various crankshaft pulleys

**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.

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**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 • Operators manual
- Engine pre-wired at the factory with a single 8 pin connector

## OPTIONAL EQUIPMENT

- Various accessory front pulleys
- Walter Injected Exhaust Elbow
- 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



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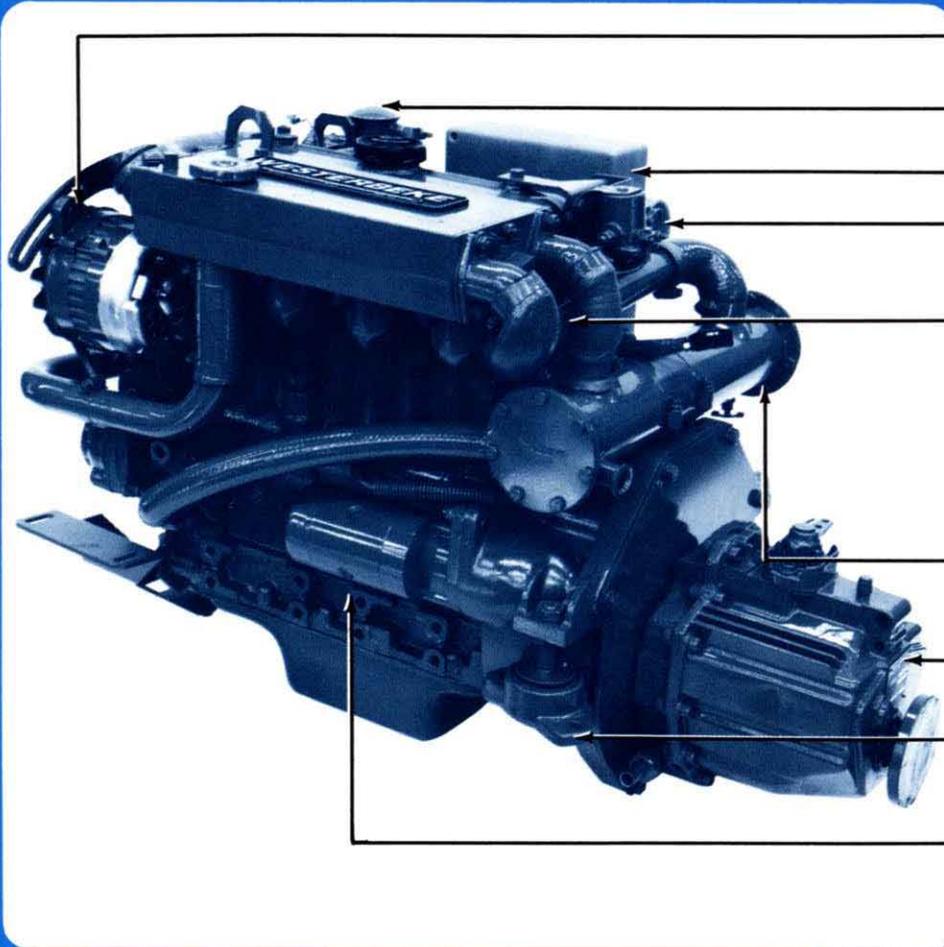
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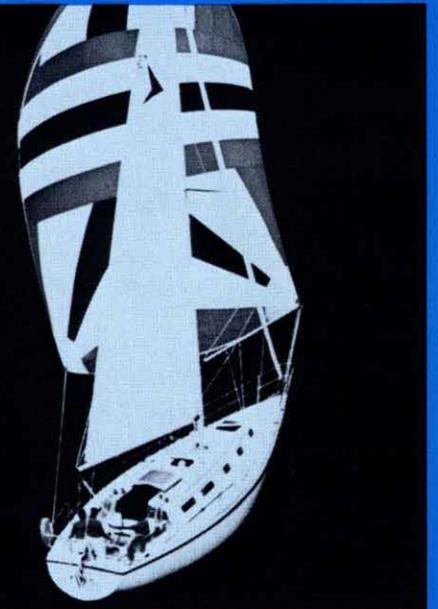
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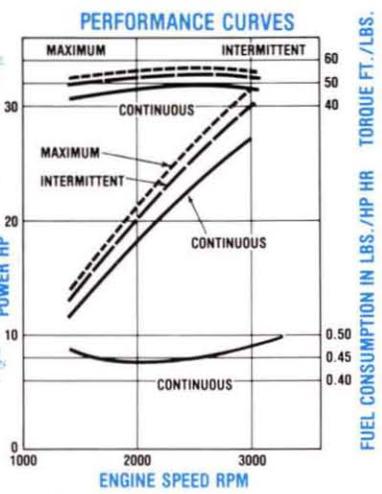
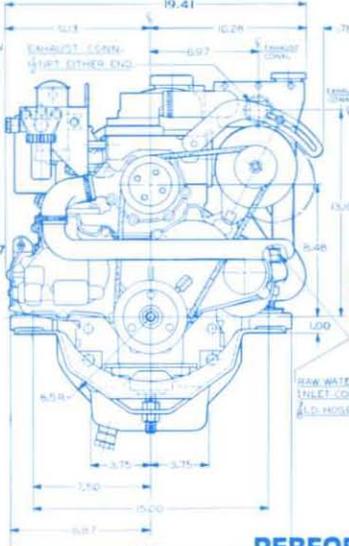
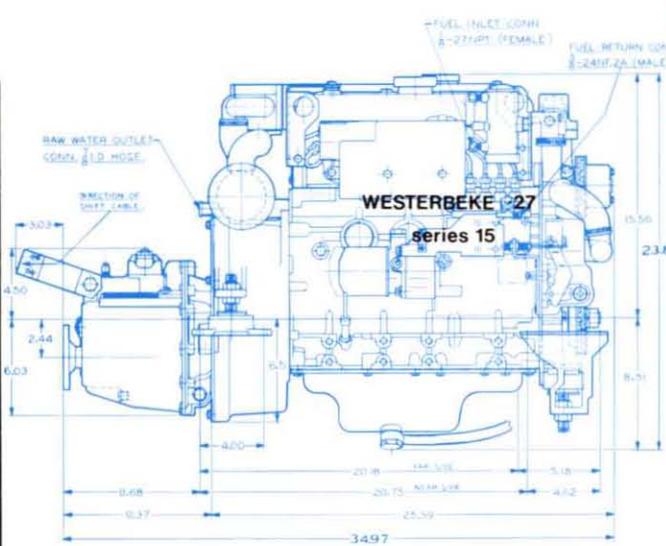


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**EXCEPTIONAL SMOOTHNESS** — 4 cylinder 4 cycle engine, high inertia flywheel, vibration isolating mounts.

**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 tinned for corrosion resistance and led to a single 8-pin connector; heavy duty zinc anodes for heat exchanger.

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**OPTIONAL EQUIPMENT**

- Various accessory front pulleys
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- 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



- Maximum Power Output ..... 30/3000 RPM
- Specific Fuel Consumption ..... .45 lbs/HP-hr
- Capacity of Lubricant ..... 4 Qts
- Capacity of Coolant ..... 8½ Qts

**SPECIFICATIONS**

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