



## Vortec 4.3L V-6 Marine Engine

Replacement for MerCruiser, OMC, and Volvo. This new engine is available for the direct replacement of 1996 and newer Vortec 4.3L engines with a composite timing cover. All engines come with a New Installation bolt kit at no extra charge.

### Features & Benefits

- Lead-free main bearings and balance shaft rear bearing
- Integral Air Fuel Module (IAFM) inlet manifold with port fuel injection available
- Cracked powder metal connecting rod to more accurately position the cap to the rod during engine assembly. A high-flow cylinder head with straighter intake ports and a higher compression ratio delivers impressive horsepower
- High-silicon cast aluminum pistons offer excellent durability
- Roller valve lifters, roller rocker arms and true roller timing chain for reduced friction and improved performance
- Composite rocker arms cover for reduced noise and resistance to corrosion
- Cylinder case has brass water jacket core support plugs for resistance to corrosion
- Water pump is effective rotating in either a clockwise or counterclockwise direction
- Nodular iron crankshaft has rolled fillets for increased strength
- Water pump casting eliminates internal bypass
- Investment cast rocker arms
- 58X crankshaft position encoder sensor to ensure accurate ignition timing throughout the operating range
- Cylinder block incorporates the following new features:
  - Dual flat response knock sensor bosses
  - Revised bolt pattern for new front cover
  - Threaded block heater
- Composite front cover epoxy painted for corrosion protection
- Aluminum oil pan is now painted for corrosion protection



*The Vortec 4.3L V-6 gasoline engine features overall size and weight advantages with superior power-to-weight ratios and proven durability.*

### Engine Details

- Displacement: 4.3L (262 CID)
- Horsepower: 226 HP @ 4800 RPM
- Torque: 265lb-ft @ 2800 RPM
- 1 Piece Rear Main Seal
- Balance Shaft
- 8 Bolt Pattern Style for Intake Manifold

### Engine Includes

- Valve Covers
- Composite Timing Cover
- Oil Pan

### Available Options

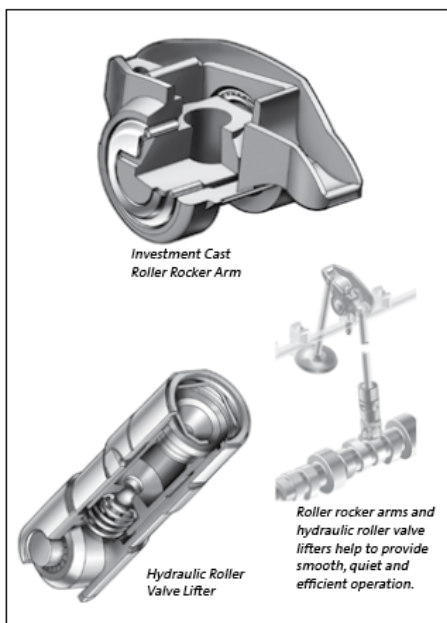
- An electronic control module (ECM) and related hardware are available in kit form. The ECM uses state-of-the-art technology to optimize fuel and spark requirements.
- 2bbl, 4bbl and Fuel Injected manifolds are also available.
- Circulation Water Pumps are also available.
- EST distributors and coils are available in kit form.

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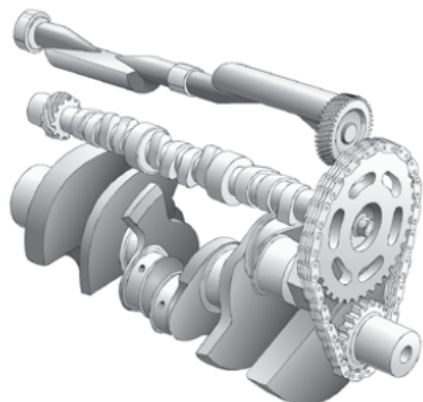
We have taken expertise in designing outstanding Engines and leverages it to make sophisticated yet extremely durable Marine Engines. In addition, the well-recognized Vortec brand name by itself has become a valuable selling tool for OEMs.



*Many of our marine engines are Vortec engines. Vortec means uncompromised power - outstanding power with no sacrifice in fuel efficiency or durability and very little required maintenance.*



*Hydraulic roller valve lifters and roller rocker arms help provide smooth, quiet and efficient operation.*



*A counter-rotating balance shaft cancels the primary engine vibrations found in 90° V-6 engines. The result is smooth performance and low noise.*



*The Vortec 4.3L marine engine uses advanced technology to maximize the simple pleasure of boating.*

### Additional Features

- Cylinder head gaskets have stainless steel core for corrosion resistance
- Cast aluminum oil pan provides increased strength and noise reduction and is epoxy painted for corrosion protection
- Nodular grey iron bearing caps
- New Fasteners on engine mounts, starter bosses and bell housing are supplied with these engines
- Eccentric main bearing for increased engine life

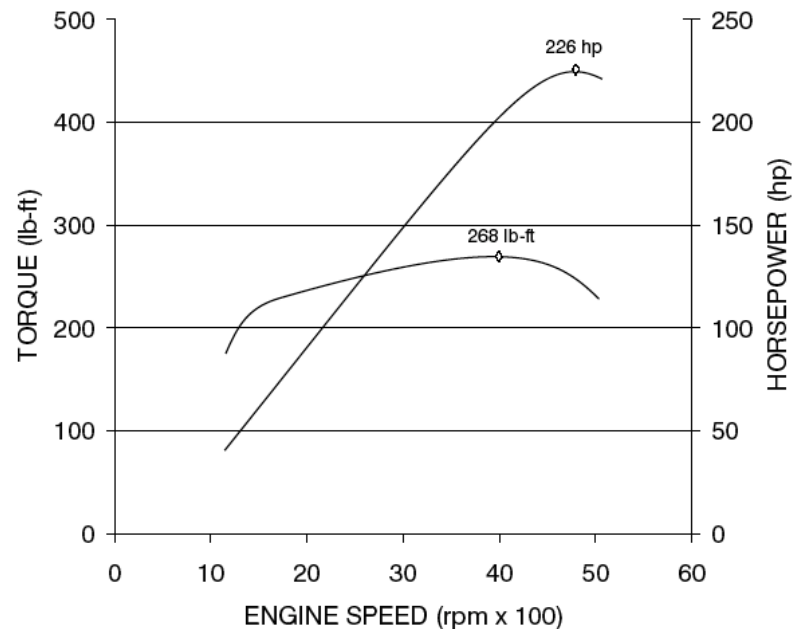
## Specifications

- Type:** 4.3L V-6 (Gen 1e)
- Displacement:** 262 cid (4.3L cc)
- Engine Orientation:** Longitudinal
- Compression Ratio:** 9.4:1
- Valve Configuration:** Overhead Valves  
(2 valves per cylinder)
- Valve Lifters:** Hydraulic Roller
- Fitting Order:** 1-6-5-4-3-2
- Bore x Stroke:** 101.60 x 88.39 mm
- Bore Center:** 111.76 mm
- Bore Area:** 486.44 cm<sup>2</sup>
- Fuel System:** N/A (L35) or Port Fuel Injection with electronic throttle body unit (LG3)
- Fuel Type:** Regular Unleaded
- Horsepower:** 226 hp (169 kW) @ 4800 rpm
- Torque:** 268 lbs-ft (363 Nm) @ 4000 rpm  
Actual power levels may vary depending on OEM calibration and application.
- Fuel Shutoff:** OEM Defined
- Shipping Weight:** 449 lbs. (203 kg)
- Emissions Controls:** N/A

### Materials:

- Block: Cast Iron GM232-M
- Cylinder Head: Cast Iron
- Intake Manifold: Iron Lower  
Aluminum Upper
- Exhaust Manifold: Available for all Engines
- Main Bearing Caps: Cast Iron GM232-M
- Crankshaft: Nodular Iron
- Camshaft: 5150 Steel Billet
- Connecting Rods: Forged- SAE 1141

Information may vary with application. All specifications listed are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.



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