



877-639-2881

Vortec 5.0L V-8 Marine Engine

Replacement for MerCruiser, OMC, and Volvo. This new engine is available for the direct replacement of 1996 and newer Vortec 5.0L engines with a composite timing cover.

Features & Benefits

- High-flow cylinder head with straighter intake ports and a higher compression ration delivers impressive horsepower
- Increased cooling around hardened exhaust valve seats for added durability
- Valve train features advanced design silent timing chain for added durability and positive inlet valve stem seals for reduced oil consumption
- Roller valve lifters for reduced friction and improved performance
- Composite front timing cover for noise reduction and corrosion protection
- Water pump is effective rotating in either a clockwise or counterclockwise direction
- Cylinder head gaskets have stainless steel core for corrosion resistance
- Offered with or without Intake Manifold
- Fuel injection reliability improved by new injector design



MEFI-5 (Marine Electronic Fuel Injection-Fifth- Generation), is an advanced engine controller capable of meeting all the emissions, OBD-M and drivability requirements of marine applications.



The small block V-8 family of marine engines offers proven reliability and durability over a range of horsepower and torque.

Engine Details

- Displacement: 5.0L (305 CID)
- Horsepower: 226 HP @ 4800 RPM
- Torque: 265lb-ft @ 2800 RPM
- 1 Piece Rear Main Seal
- 8 Bolt Pattern Style for Intake Manifold
- Opposite Rotation Available
- Marine Style Metric Drain Plug

Engine Includes

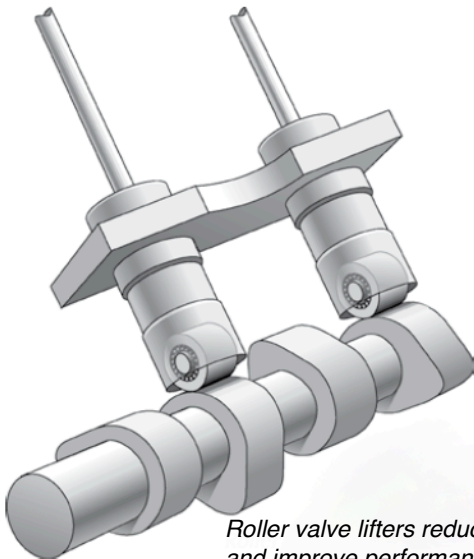
- Valve Covers
- Composite Timing Cover
- Oil Pan
- Intake Manifold, 4BBL, 2BBL or EFI (Optional)
- Circulation, Water Pump (Optional)
- Harmonic Balancer & Flywheel (Optional)

Vortec 5.0L Feature Focus

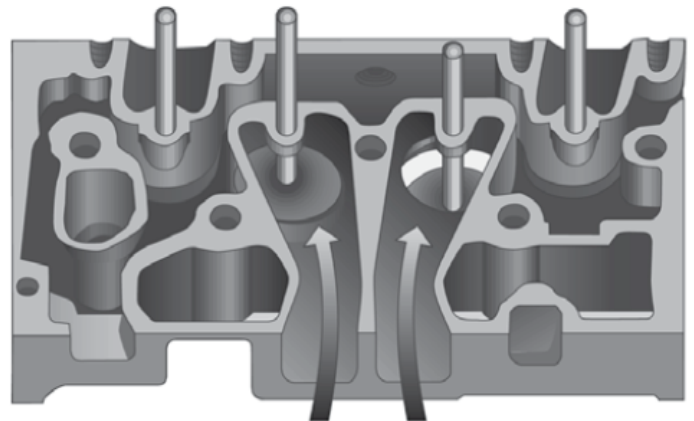
We have taken expertise in designing outstanding Vortec Engines and leverages it to make sophisticated yet extremely durable marine engines. In addition, the well-recognized Vortec brand name by itself has become a valuable selling tool for OEMs.



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.



Roller valve lifters reduce friction and improve performance.



A high-flow cylinder head, with straighter intake ports and a higher compression ratio, delivers significantly better combustion.



Available Options

- An electronic control module (EMC) and related hardware are available in kit form. The EMC uses state-of-the-art technology to optimize fuel and spark requirements.
- EST and HEI distributors and coils are available in kit form.
- Intake Manifold, Circulation Pump, Flywheel etc.

The Vortec 5.0L V-8 engine is based on GM's small block V-8 series, one of the most successful engines in automotive history.

Specifications

- Type:** 5.0L V-8 (Gen 1e Small Block)
 - Displacement:** 305 cid (4999 cc)
 - Engine Orientation:** Longitudinal
 - Compression Ratio:** 9.4:1
 - Valve Configuration:** Overhead Valves
(2 valves per cylinder)
 - Valve Lifters:** Hydraulic Roller
 - Fitting Order:** 1-8-4-3-6-5-7-2
 - Bore x Stroke:** 95 x 88.39 mm
 - Bore Center:** 111.76 mm
 - Bore Area:** 567.06 cm²
 - Fuel System:** N/A or Port Fuel Injection with electronic throttle body unit
 - Fuel Type:** Regular Unleaded
 - Horsepower:** 226 hp (169 kW) @ 4800 rpm
 - Torque:** 253 lb-ft (409 Nm) @ 3800 rpm
- Actual power levels may vary depending on OEM calibration and application.

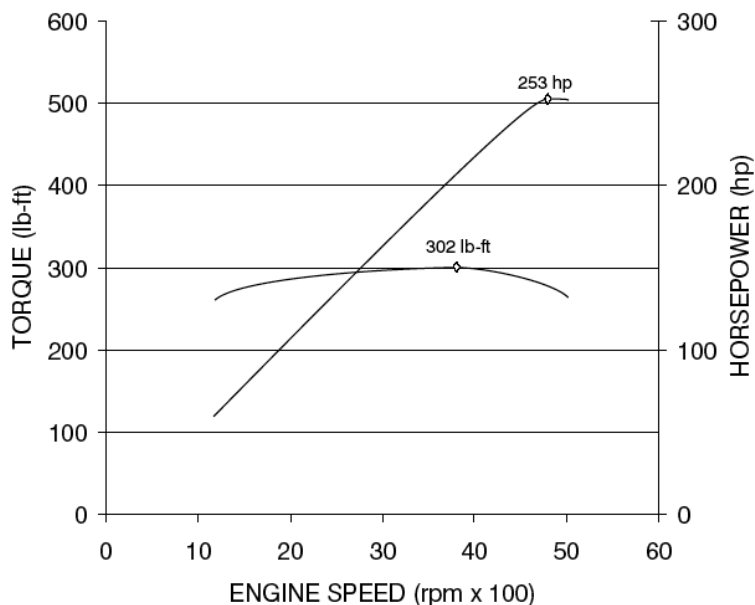
Power should be limited for durability of 250 hp.

- Fuel Shutoff:** MEFI-5 Yes
- Shipping Weight:** 432 lb (196 kg)
- Emissions Controls:** Positive Crankcase Ventilation

Materials:

- Block: Cast Iron GM232-M
- Cylinder Head: Cast Iron
- Intake Manifold: Iron Lower
Aluminum Upper
- Exhaust Manifold: none
- 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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