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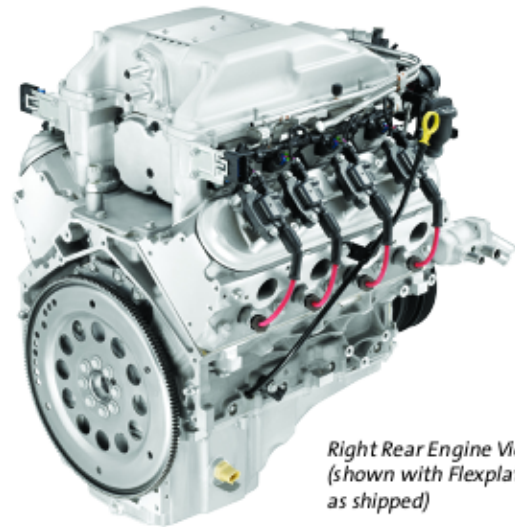
"LSA" Vortec 6.2L V-8 SC

Marine Base Engine



"LSA" 6.2L V-8 SC Marine

- High-flow cylinder head design with Swirl-Wing technology
- Enhanced valvetrain with offset intake rocker arms to enable a more direct intake port
- Returnless fuel injection with center feed stainless steel fuel rail
- New sumped pistons with 9.1:1 compression ratio
- 6.52 gms/sec. high flow injectors
- 1.9L /rev Roots type four lobe rotor supercharger with 160 degrees rotor twist
- Integrated single brick charge air cooler
- Four active layer MLS head gasket
- Stacked plate aluminum oil cooler
- Block and camshaft revisions to accept Al-Sn (Pb-free) cam bearings
- 14-pin injector harness connectors both sides – impacts engine harness mating connector on right side



*Right Rear Engine View
(shown with Flexplate,
as shipped)*

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 control
- "LSA" acoustic cover and related mounting hardware are available in kit form
- GM-designed accessory drive components will be available in kit form (includes supercharger drive parts)

*** All included with fully marinized Kodiak Engine assembly**

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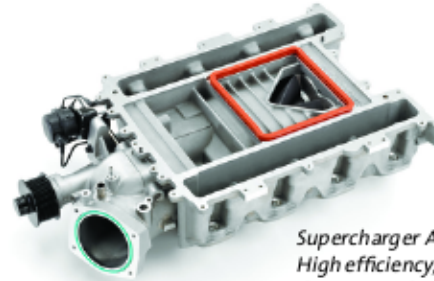


“LSA” Vortec 6.2L V-8 SC

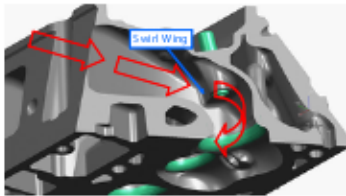
Feature Focus



The “LSA” is the first production supercharged Gen-IV small block engine for the marine industry and is slated to exceed customer expectations with outstanding overall performance.



*Supercharger Assembly
High efficiency, low noise front-drive supercharger assembly with throttle inlet adapter*



*Swirl Wing Cylinder Head
Cast aluminum cylinder head with wing in inlet port to induce combustion chamber swirl*



*Supercharger Rotor Set
Four-lobe “TVS” rotor set with 160 degree twist*



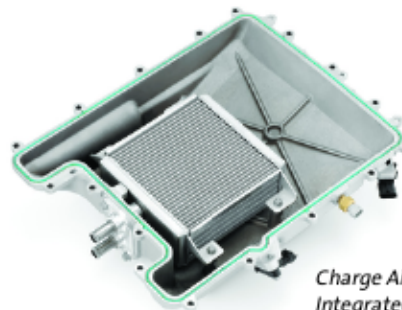
*Oil Cooler Assembly
Stacked plate aluminum oil cooler for direct mounting to oil pan (requires closed cooling).*



*Piston Squirter
Block-mounted oil squirter for piston cooling*



*Sumped 9.1:1 Piston
Cast hypereutectic coated skirt piston with sump in dome for compression control.*



*Charge Air Cooler Assembly
Integrated single brick tube and fin charge air cooler with rear coolant entry (requires closed cooling)*

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"LSA" Vortec 6.2L V-8 SC

Specifications

Marine Base Engine



● Vortec 6.2L (LSA) Specification Focus

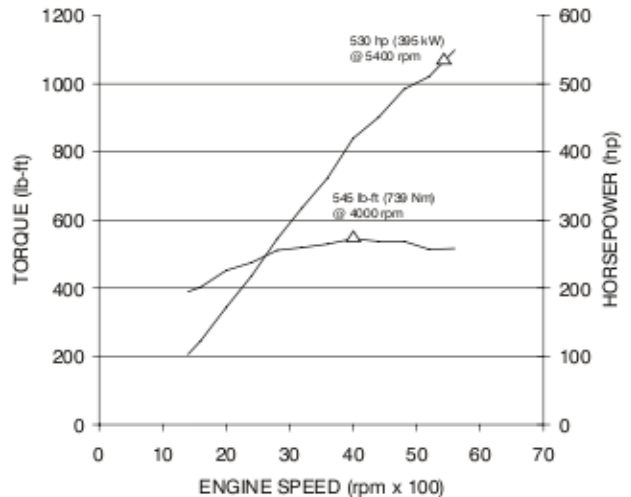
- Type:** 6.2L V-8 SC (Gen-IV Small Block)
- Displacement:** 6162 cc (376.0 ci)
- Compression Ratio:** 9.1:1
- Valve Configuration:** Overhead Valves
- Assembly Site:** Silao, Mexico
- Valve Lifters:** Hydraulic Roller
- Firing Order:** 1 - 8 - 7 - 2 - 6 - 5 - 4 - 3
- Bore x Stroke:** 103.25 x 92 mm
- Fuel System:** Sequential Fuel Injection
- Fuel Type:** Premium Fuel recommended, not required
- Engine Orientation:** Longitudinal
- Valves Per Cylinder:** 2
- Bore Center (mm):** 111.76
- Engine Mass:** 467 lbs (212 kg)
- Horsepower:** 530 hp (395 kW) @ 5400 rpm
- Torque:** 545 lb-ft (739 Nm) @ 4000 rpm

Actual power levels may vary depending on OEM calibration and application. Hp/torque based on testing with 93 RON fuel.

Fuel Shutoff: 5600 rpm

Materials:

- Block:** Cast Aluminum
- Cylinder Head:** A356-T6 Rotocast Cast Aluminum
- Intake Manifold:** Cast Aluminum
- Exhaust Manifold:** High Silicon/High Moly Cast Iron
- Main Bearing Caps:** Nodular Iron
- Crankshaft:** Forged Steel
- Camshaft:** Hollow Steel
- Connecting Rods:** Forged Powder Metal

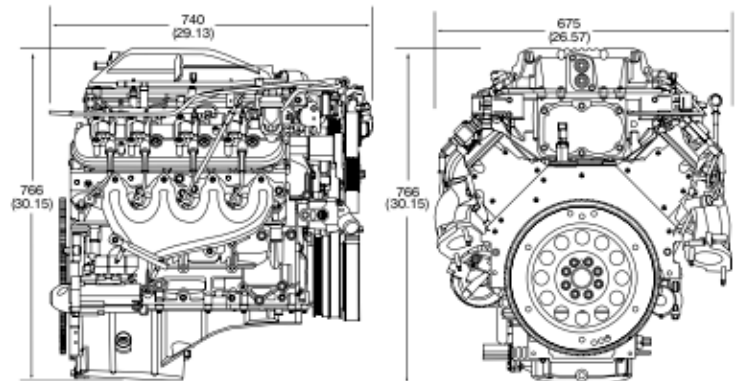


Actual power levels may vary depending on OEM calibration and application. Hp/torque based on testing with 93 RON fuel.

Additional Features:

- 1.9 L/rev Supercharger
- Integrated Single Coolant to Air Intercooler
- Requires closed cooling system *
- Piston Oil Spray Cooling
- Direct Mount Ignition Coils

*** Included with fully marinized Kodiak Engine assembly.**



Contact California Marine for MORE Details
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