

LS3

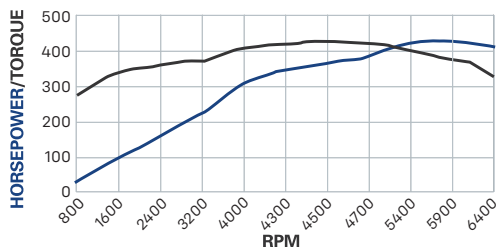
19540155 
430 hp

@ 5,900 rpm

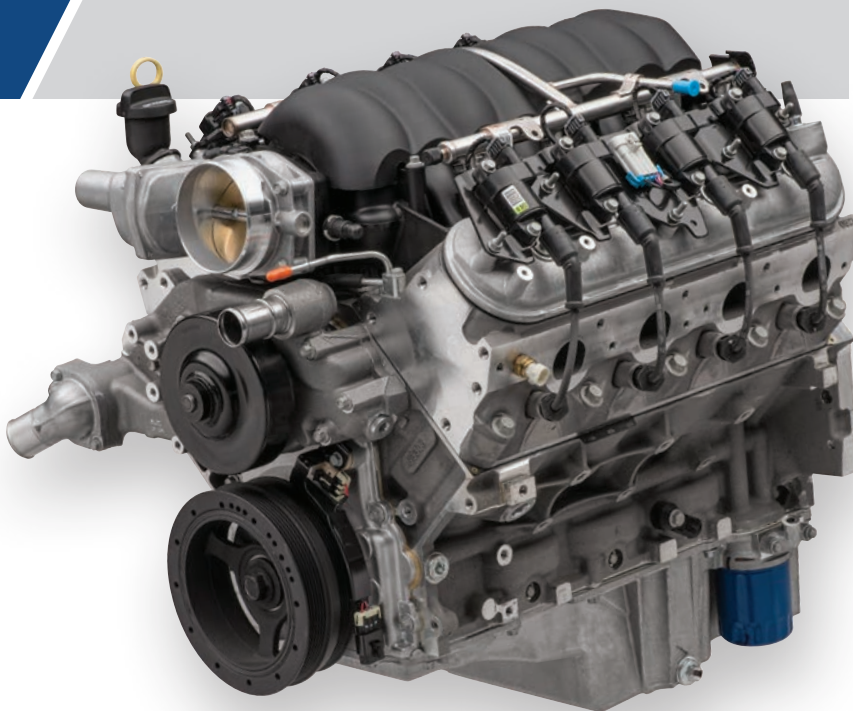
425 lb.-ft.

@ 4,600 rpm

DYNO CHART



NOTE: Refer to page 6 for the complete horsepower and torque testing procedures.



A contemporary classic

Destined to go down in history as one of Chevrolet's most versatile performance engines, the 430-hp LS3 6.2L offers a fantastic combination of modern technology.

The LS3 is filled with components designed for high performance and longevity, starting with a sturdy reciprocating assembly that's matched with L92-type rectangular-port heads and a high-lift, hydraulic roller camshaft. It all optimizes the LS3's tremendous airflow and supports a broad torque curve.

Our LS3 crate engine comes complete, from the Camaro F-body oil pan to the ignition system. It also includes the intake manifold assembly with injectors and throttle body, water pump, balancer and 58X reluctor wheel. The Camaro F-body oil pan may not suit all installation applications. Use a vehicle-specific oil pan for original LS-powered vehicles or Chevrolet Performance's Muscle Car Oil Pan Kit P/N 19212593 for older vehicles.

INSTALLATION NOTES

- Assembly does not include any electronics
- Use LS3 Controller Kit P/N 19354328 for engine operation. Kit includes electronic throttle pedal, which is required for throttle input to the ECU (see page 115)
- Includes Camaro F-body oil pan
- Not intended for marine applications
- Front-End Accessory Drive Kits are available in several configurations (see page 104 for application)
- Does not include exhaust manifolds or flexplate/flywheel

Mobil 1 is the recommended engine oil for all Chevrolet Performance Engines

TECH SPECS

Part Number:	19540155
Engine Type:	LS-Series Gen IV Small-Block V-8
Displacement (cu in):	376 (6.2L)
Bore x Stroke (in):	4.065 x 3.622 (103.25 x 92mm)
Block (P/N 12729604):	Cast aluminum with 6-bolt, cross-bolted main caps
Crankshaft (P/N 12736808):	Nodular iron
Connecting Rods (P/N 12649190):	Powdered metal
Pistons (P/N 19207287):	Hypereutectic aluminum
Camshaft Type (P/N 12623063):	Hydraulic roller
Valve Lift (in):	.551 intake / .522 exhaust
Camshaft Duration (@.050 in):	204° intake / 211° exhaust
Cylinder Heads (P/N 12675871):	Aluminum L92-style port; as-cast with 68cc chambers
Valve Size (in):	2.165 intake / 1.590 exhaust
Compression Ratio:	10.7:1
Rocker Arms (P/N 12696105 int):	Investment-cast, roller trunnion
Rocker Arms (P/N 12681275 exh):	Investment-cast, roller trunnion
Rocker Arm Ratio:	1.7:1
Recommended Fuel:	Premium pump
Maximum Recommended rpm:	6,600
Reluctor Wheel:	58x
Balanced:	Internal



Chevrolet Performance Crate Engines include a 24-month or 50,000-mile/80,000-kilometer limited warranty, whichever comes first. See your GM dealer for details.



Chevrolet Performance does not utilize any used or remanufactured parts in this crate engine, except for the starter, alternator and power steering pump.



This part is intended for competition use only. See page 2 for complete details.