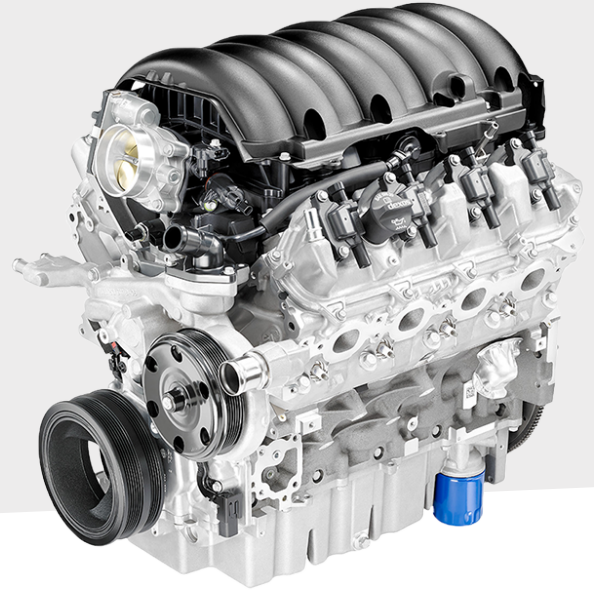


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# 5.3L V8 L83

FIVE  
GENERATIONS  
OF REFINEMENT



**HORSEPOWER:** 355 HP @ 5600 RPM\*



**TORQUE:** 382 LB-FT @ 4100 RPM\*



**CYLINDERS:** 8



**FUEL TYPE:** UNLEADED GASOLINE, E85

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## 5.3L L83 Features & Specifications

The Gen-V 5.3L L83 engine delivers a combination of advanced technologies, including Direct Injection, Active Fuel Management (cylinder deactivation), and dual-equal camshaft phasing (Variable Valve Timing) that support an advanced combustion system.

Structurally, the Gen-V small-block is similar to the Gen III/IV engines, including the use of a deep-skirt cylinder block. Refinements and new

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or revised components are used throughout, including a revised cooling system and all-new cylinder heads. The engine is also designed to accommodate an engine-driven, high-pressure fuel pump for the direct-injection system.

Type	5.3L Gen V V-8 Small Block	Maximum Engine Speed	5800 rpm
Displacement	5328cc	Emissions Controls	Catalytic converter, three-way catalyst, positive crankcase ventilation
Engine Orientation	Longitudinal	Horsepower	355 hp (264 kW) @ 5600 rpm*
Compression Ratio	11.0:1	Torque	382 lb-ft ( 519 Nm ) @ 4100 rpm*
Valve Configuration	Overhead valves	Block	Cast aluminum
Valves per Cylinder	2	Cylinder Head	Cast aluminum
Assembly Sites	Tonawanda, NY, Ramos, Mexico, and St. Catharine's, Ontario	Intake Manifold	Composite
Valve Lifters	Hydraulic roller	Exhaust Manifold	Cast nodular iron
Firing Order	1 - 8 - 7 - 2 - 6 - 5 - 4 - 3	Main Bearing Caps	Powder metal
Bore x Stroke	96.01 x 92 mm	Crankshaft	Cast nodular iron
Fuel System	SIDI	Camshaft	Billet steel
Fuel Type	Regular unleaded and E85	Connecting Rods	Forged powder metal

\* As tested in Chevrolet Silverado.

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