



Dependability for a world that's always on

EPA 2021 L9™ FOR TRUCK APPLICATIONS





The Cummins L9™ already has a reputation across North America as a proven workhorse, boasting 35+ years of production with more than 5 million engines manufactured globally. So when we designed the next generation L9, we wanted to do more than provide the power, reliability and durability you expect. We set out to ensure the EPA 2021 L9 delivered class-leading power and torque ratings, and the power-to-weight ratio to get the toughest jobs done, while also making it even more dependable.

We made the engine more fuel efficient and reliable, and we designed it to go even longer between scheduled maintenance intervals, all while meeting 2021 regulatory requirements set by the Environmental Protection Agency (EPA) and California Air Resource Board (CARB).

How'd we do it? We started by decreasing frictional losses in the base engine and optimizing combustion. We also incorporated a new piston

design, optimized camshaft valve timing and reduced water pump speeds to minimize parasitic losses. These changes lead to fuel economy improvements of up to 3.5% for the Performance Series and up to 1.5% for the Productivity Series.

To improve Uptime, we extended the recommended engine maintenance intervals, so you can go longer between oil drains and fuel filter changes. A completely maintenance-free breather means you'll never have to change a crankcase ventilation filter again. Trucks go longer between trips to the garage for scheduled maintenance, and more money goes back to your bottom line. Also new for 2021, the L9 offers advancements in connectivity to help you find, prevent and resolve issues faster.

Of course, all Cummins engines are backed by the largest, most capable support network in North America, so you can get great service no matter where you are.

The power to meet your needs

The EPA 2021 L9 is the total package. No other engine in its horsepower range has this combination of power, proven reliability and durability.

With ratings ranges of 260 hp to 380 hp (194 - 283 kW) and up to 1250 lb-ft (1695 N•m) of peak torque, the L9 is designed to excel in some of the toughest duty cycles.

High-strength components and features, like replaceable cylinder liners for easier rebuilding, add life to the engine and add to its residual value.



Designed for the toughest jobs

Cummins designs, develops and supports every component, from the air handling to the exhaust aftertreatment, to operate together as a fully integrated system. That means we're able to highly optimize every function for outstanding performance and reliability.

VGT turbo: The single Variable Geometry Turbocharger is a key element in optimizing fuel economy and providing exceptional braking power. This patented design is widely recognized as an industry performance leader, and we've made additional reliability improvements to help the engine perform in the most challenging applications.

Single high-capacity Electronic Control Module (ECM): Offers higher capacity for faster processing of more information, fully integrated control over the engine and aftertreatment system for optimized performance and improved engine lamp strategy.

Single module aftertreatment: Combines high-efficiency SCR, a redesigned dosing unit and a DPF into a single flow-through unit. This single pass-through design optimizes exhaust flow, and the compact packaging helps maintain hotter, consistent temperatures across the unit for better NOx reduction and optimized fuel efficiency while helping to minimize periodic maintenance. It's also 70% smaller and 30% lighter than modular aftertreatment systems.

High Pressure Common Rail (HPCR) fuel system: Delivers superior performance, even in lower engine rpm speed ranges. Enables multiple injection events per cycle, for improved fuel efficiency with quieter, smoother operation.

Fuel filters and lube filters: Protects against corrosion and contaminants with innovative NanoNet® technology. The NanoNet media in our Fleetguard® filters provides 10 times better protection than conventional fuel filters for a lower cost of operation.



L9 SPECIFICATIONS

Horsepower	260-380 hp (194-283 kw)
Peak torque	860-1250 lb-ft (1166-1695 N • m)
Governed speed	2100/2200 rpm
Clutch engagement torque	575 lb-ft (780 N • m)
Number of cylinders	6
Engine weight (dry)	1,695 lb (769 kg)

L9 MAINTENANCE INTERVALS

Maintenance item	Miles/Kilometers	Hours	Months
Oil and filter*	Up to 50,000 mi/ 80,000 km	1,500	18
Fuel filter	50,000 mi/ 80,000 km	1,500	18
Crankcase ventilation filter	Maintenance free		
Overhead adjustment	150,000 mi/ 240,000 km	5,000	48
Coolant check	60,000 mi/ 96,000 km	2,000	24
DEF filter	200,000 mi/ 320,000 km	6,500	
Particulate filter cleaning	200,000 mi/ 320,000 km	6,500	

*With total oil capacity of ≥ 29 quarts (27.4 liters) / duty cycle dependent.

Consult your chassis and engine owner's manuals for more information.

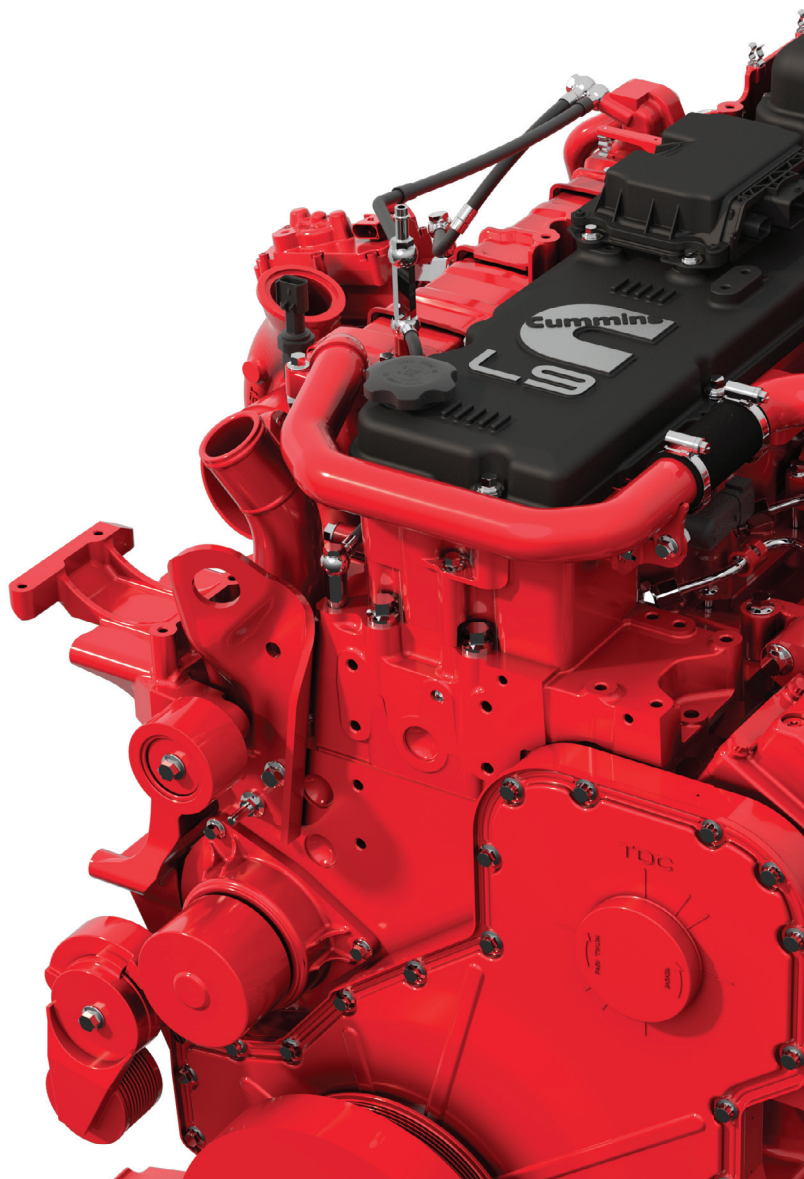
L9 RATINGS

Engine model	Advertised HP (KW)	Peak Torque LB-FT (N•M) @ RPM
380-370 HP Performance Ratings		
L9 380	380 (283)	1250 (1695) @ 1200
L9 370	370 (276)	1250 (1695) @ 1200
360-260 HP Productivity Ratings		
L9 360	360 (268)	1150 (1559) @ 1200
L9 350	350 (261)	1050 (1424) @ 1200
L9 330	330 (246)	1000 (1356) @ 1200
L9 300	300 (224)	860 (1166) @ 1200
L9 270	270 (201)	860 (1166) @ 1200
L9 260	260 (194)	860 (1166) @ 1200

Over the air programming capability

When connected to a compatible and participating telematics system, Cummins Connected Software Updates facilitate engine control module calibrations remotely in about five minutes, which slashes downtime by eliminating a traditionally scheduled visit to the service bay. Once integrated, customers can leverage the same technology to take advantage of Cummins full upcoming suite of over-the-air programming solutions designed to enhance performance, safety and fuel efficiency.

The Cummins L9 is fully compliant with On-Board Diagnostics requirements and meets 2021 U.S. Environmental Protection Agency (EPA) and National Highway Traffic Safety Administration (NHTSA) greenhouse gas (GHG) and fuel-economy regulations.



Total trust, backed in writing

The true measure of how much confidence a manufacturer has in the reliability and durability of its products is how willing it is to back them. The base warranty for Cummins L9 includes virtually everything, covering parts and labor on warrantable failures* not just for the engine, but for the aftertreatment system as well. Even consumables used in the repair are included. There's no deductible, either. Cummins L9 base warranty coverage is good for 2 years/250,000 miles (402,336 km).

*Covers defects in Cummins materials or factory workmanship.

Keeping peace of mind, top of mind

Cummins engines are designed to provide dependable service well beyond the base warranty period, but for added peace of mind, we offer extended coverage plans with options for up to either 7 years or 300,000 miles (482,803 km) on all registered parts and labor. Not only do the warranties cover major engine systems, but they also cover components such as the turbocharger, water pump, fuel injectors, air compressor, fuel pump and many engine sensors.

A variety of extended coverage plans are available to meet specific needs and trade cycles. Contact your local Cummins distributor or dealer for details.

You call. We care.

Cummins-powered vehicles are backed by the largest, most capable service and support network in North America, with over 3,700 locations to service your vehicle. One call to 1-800-CUMMINS™ (1-800-286-6467), and a Cummins Care representative will help locate the nearest available and authorized facility, any time, day or night. You'll get great service no matter where you are.

For details about the L9, see your local Cummins distributor or dealer, or visit cummins.com.



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