

MOVE TO ZERO

Setting new standards for
performance and reliability
with near-zero emissions.

B6.7N[™]



CNG

LNG

RNG

 **Westport**



THE B6.7N. MOVE TO ZERO.

**Reliability and Performance
with Low Emissions.**

The Cummins Westport B6.7N medium-duty natural gas engine offers ultra low emissions and reliable power for school bus fleets, shuttle bus, medium-duty truck and vocational vehicles.

Next Generation Natural Gas Technology

The B6.7N is certified to California Air Resources Board Optional Low NOx standard of 0.1 g/bhp-hr—50% fewer NOx emissions than current EPA regulations—and meets 2017 EPA greenhouse gas (GHG) emissions requirements. Cummins Westport (CWI) natural gas engines have met the 2010 EPA standard for particulate matter (0.01 g/bhp-hr) since 2001. Cummins Westport natural gas engines feature spark-ignited stoichiometric combustion with cooled exhaust gas recirculation. They use a simple maintenance-free, Three-Way Catalyst (TWC) for consistent emissions control. Beginning in 2018, Cummins Westport natural gas engines include a new engine control module, on-board diagnostic (OBD) capability, an enhanced TWC, and a closed crankcase ventilation system.

Natural gas is a low carbon, domestically abundant fuel source. All CWI engines offer customers the choice of using compressed natural gas (CNG), liquefied natural gas (LNG), or renewable natural gas (RNG) as a fuel. RNG is pipeline-quality natural gas produced from the decomposition of organic wastes, which can come from a variety of sources such as dairy farm waste, landfills, and urban waste treatment plants. Combining Cummins Westport ultra low emission engines with RNG fuel provides additional and significant GHG reductions. Learn more with the Cummins Westport GHG Emissions calculator at [cwiplaybook.com](https://www.cwiplaybook.com).

B6.7N™

Maintenance

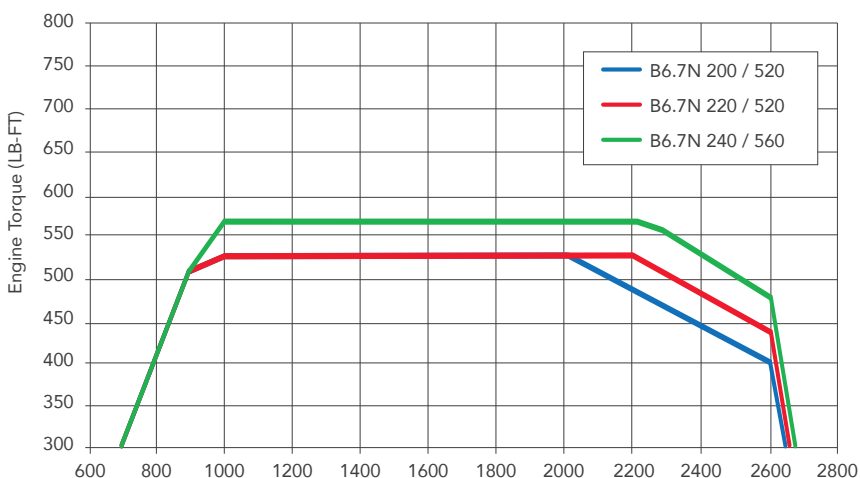
Maintenance Item^	Distance	Hours	Months
Oil and Filter*	15,000 mi (24,000 km)	500	6
Spark Plugs	25,000 mi (40,000 km)	750	9
Spin-on Fuel Filter	30,000 mi (48,000 km)	1,000	12
Overhead Set Adjustment	45,000 mi (72,000 km)	1,500	18
Coolant System Drain	60,000 mi (96,000 km)	2,000	2 yrs
Closed Crankcase Ventilation Filter	60,000 mi (96,000 km)	2,000	2 yrs
Ignition Coil Extension	150,000 mi (240,000 km)	5,000	5 yrs
Air Cleaner / Element	Follow manufacturer's published recommendations		

Consult your Owners or Operation and Maintenance manual for the complete daily and routine maintenance schedule.

^Based on a duty cycle of 30 mph / 48 kph average speed. Distance intervals may decrease based on average speed.

*Requires Natural Gas Engine Oil

Torque Curves



B6.7N Ratings

Truck

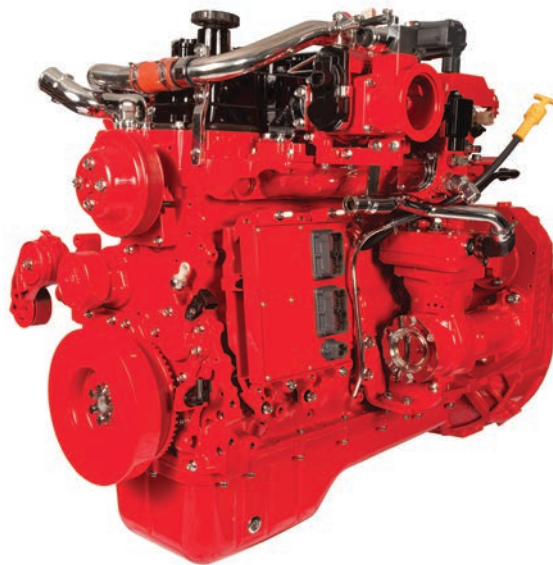
Engine Model	Advertised hp (kW) @ rpm	Peak Torque lb-ft (N-m) @ rpm	Governed Speed
B6.7N 200	200 (149) @ 2400	520 (705) @ 1600	2630 rpm
B6.7N 220	220 (164) @ 2400	520 (705) @ 1600	2630 rpm
B6.7N 240	240 (179) @ 2400	560 (759) @ 1600	2600 rpm

School Bus

Engine Model	Advertised hp (kW) @ rpm	Peak Torque lb-ft (N-m) @ rpm	Governed Speed
B6.7N 200	200 (149) @ 2400	520 (705) @ 1600	2630 rpm
B6.7N 220	220 (164) @ 2400	520 (705) @ 1600	2630 rpm
B6.7N 240	240 (179) @ 2400	560 (759) @ 1600	2600 rpm

Shuttle Bus

Engine Model	Advertised hp (kW) @ rpm	Peak Torque lb-ft (N-m) @ rpm	Governed Speed
B6.7N 200	200 (149) @ 2400	520 (705) @ 1600	2630 rpm
B6.7N 220	220 (164) @ 2400	520 (705) @ 1600	2630 rpm
B6.7N 240	240 (179) @ 2400	560 (759) @ 1600	2600 rpm



Engine Features & Enhancements

New Engine Control Module (ECM)

The ECM provides full monitoring and control of the engine sensors, and the fuel and ignition systems. Cummins Westport 2018 engines feature a new ECM, Model CM2380, which offers faster processing to support heavy duty OBD requirements (500K baud rate). It is also telematics capable, and provides improved diagnostics and durability.

On-Board Diagnostics (OBD)

The OBD system continuously monitors the engine and after-treatment system. It gives the vehicle owner or repair technician electronic access to the status of various vehicle subsystems for diagnostic purposes. A Malfunction Indicator Lamp (MIL) is connected to the OBD system and is located on the vehicle's instrument panel. If the OBD system detects a malfunction related to the emissions control system, the MIL will come on and alert the operator. The engine will continue to operate normally until a diagnosis is made.

Closed Crankcase Ventilation (CCV) system

A CCV system reduces engine emissions by capturing crankcase emissions and rerouting these gases back to the engine. This results in more complete combustion and lower emissions.

Enhanced Three-Way Catalyst (TWC)

TWCs are effective, simple, passive devices. They provide consistent emissions control performance, are maintenance-free and can be mounted vertically or horizontally on the vehicle. Cummins Westport engines don't require active aftertreatment such as a diesel particulate filter or selective catalytic reduction.

High-Energy Ignition System

New ignition control module – provides better performance and improved spark plug and coil durability, plus self-diagnostics.

Control System

Full drive-by-wire ECM provides full monitoring and control of engine sensors, fuel system and ignition system. Full interface capability to Cummins INSITE™ and diagnostic service tools.

Electronic Features

- Road-speed governing
- Accelerator interlock
- SAE J1587/J1939
- Power Take-Off (PTO) control
- Cruise control
- Engine protection system

Wastegate Turbocharger

Water-cooled bearing housing for durability, and electronic control for precise air handling.

Specifications

NOx Emission	0.1 g / bhp-hr. (50% below EPA)
Maximum Horsepower	240 HP 179 kW
Peak Torque	560 LB-FT 759 Nm
Governed Speed	2,630 RPM
Type	4-cycle, spark-ignited, in-line 6-cylinder, turbocharged, CAC
Engine Displacement	409 CU IN 6.7 LITERS
Number of Cylinders	6
Operating Cycles	4
Net Weight (dry)	1,150 lb 522 KG
Fuel Type	CNG / LNG / RNG
Aftertreatment	Three-Way Catalyst

Base Warranty

Cummins Westport engines feature the same factory base warranty coverage as Cummins diesel engines. This comprehensive warranty includes 2 years / unlimited miles or kilometers with full parts and labor coverage on warrantable failures. Standard coverage for the B6.7N in school bus applications is 5 years / 100,000 miles (160,935 km). Major components coverage is also available – contact your local Cummins distributor or Cummins Westport representative for details.

Extended Coverage

Cummins Westport Inc. also offers a variety of extended coverage plans to meet every customer's need. For full extended coverage plan details, contact your local Cummins distributor or Cummins Westport representative.

Better Customer Care

Cummins Westport-powered vehicles are supported by the Cummins service network, the largest and most capable in North America. Cummins-authorized technicians are fully trained on Cummins Westport natural gas engines, with ready access to Cummins parts and warranty support. For questions regarding your Cummins Westport engine or for assistance in finding a repair facility in the United States or Canada, call Cummins Care at 1-800-CUMMINS™ (1-800-286-6467).



Cummins Westport – The Natural Choice

Cummins Westport Inc. designs, engineers and markets 6- to 12-liter spark-ignited natural gas engines for commercial transportation applications such as trucks and buses. Our natural gas engines are manufactured by Cummins, and are available from leading truck and bus manufacturers.

Natural Gas Playbook

To learn more about how to incorporate natural gas engines into your fleet, visit our Natural Gas Playbook website. We'll guide you through what you need to know to ensure successful implementation and operation of your natural gas engines.

cwiplaybook.com

