

NATURAL GAS

FUEL YOUR FUTURE.

RIDE WITH THE LEADER.

Freightliner has been building natural gas trucks since 2008. Our natural gas-powered new Cascadia® model has proven its performance for a variety of applications, including local haul and regional distribution fleets.

The fuel savings alone can make a positive impact on your business. In most major markets, the availability of fuel makes route management easier than ever. Tractors can be fueled by liquefied natural gas (LNG) or compressed natural gas (CNG), depending on customer preference. CNG is also available for straight truck applications.



CASCADIA

FREIGHTLINER

POWER AND PERFORMANCE

The new Cascadia® is powered by a Cummins® Westport ISX12N engine, which features horsepower and torque ratings up to 400 hp/1450 lb-ft. The new Cascadia comes standard with an aerodynamic bumper with an integrated air deflector, a new, more sloped hood, an aerodynamic four-bar grille, new aerodynamic mirrors, 12" side extenders and a third door seal that keeps air from flowing through the door jamb.

CUMMINS WESTPORT ISX12N NEAR ZERO NOx NATURAL GAS ENGINE

- Certified near zero standard, 90% below the 0.2 g/bhp hr EPA limit
- EPA 2013 and CARB emissions standards compliant
- Cleanest engine available when using renewable natural gas to reduce greenhouse gas (GHG) emissions
- Available with up to 400 hp, 1450 lb-ft torque
- Uses stoichiometrically cooled EGR combustion
- No SCR aftertreatment system required
- Maintenance-free exhaust system
- No DPF regeneration, cleaning or replacement
- Spark ignited
- Closed crank case ventilation system
- Dedicated natural gas engine—no dual fuel
- Optional engine brake available
- Shares many components and parts with Cummins diesel engine, renowned for its power
- Domestic fuel source reduces dependence on foreign oil

LEVERAGING THE BEST IN THE INDUSTRY

The new Cascadia natural gas model features integrated fuel systems installed by Agility Fuel Solutions in their state-of-the-art facility located in close proximity to our truck manufacturing plants. This relationship allows us to combine our expertise to deliver the best natural gas solution for your business. The Agility Blue iQ solution offers:

Improved Performance

- In-cab Smart Gauge displays accurate distance to empty and fuel level, fuel system status, current fuel economy and driver feedback, and resettable trip data.
- Eco Mode and Limp Home Mode interact with Cummins engine to improve fuel economy, extend range, and prevent engine malfunctions at low fuel levels.
- Engine-linked start logic ensures reliable startup and operation at low fuel levels or in cold weather.

Simple Diagnostics, Maintenance, and Repair

- Cummins INSITE™ and Guidanz™ service bay tools provide combined access to both engine and fuel system performance and diagnostic data.
- Agility service documentation integrated into Cummins QuickServe® Online

Integrated Telematics

- Connected Diagnostics™ transmits key telematics like engine, fuel system, and GPS data wirelessly to Cummins for analysis and service recommendations.
- Integrates with most major telematics providers



FUEL TANK OPTIONS

The back-of-cab and rail-mounted CNG tanks are Type IV plastic composite tanks, wrapped in carbon fiber, and feature an expected life span of 20 years.

The LNG tanks are constructed of stainless steel. Both the CNG and LNG tanks featured on Freightliner products meet or exceed all applicable safety standards. In the rare occurrence of a CNG tank puncture, the fuel will simply vent into the atmosphere, rather than pool on the ground.

	# of Tanks	Diesel Gallon Equivalent (DGE)
CNG FUEL TANK		
120 DGE Cabinet	3	120
131 DGE Cabinet	3	131
160 DGE Cabinet	4	160
175 DGE Cabinet	4	175
40 DGE rail-mounted	1	40
45 DGE rail-mounted	1	45
LNG FUEL TANK		
158-gallon rail-mounted	1	74
127-gallon rail-mounted	1	59

Note: Rail-mounted tanks can be installed on both frame rails to double capacity.