

## WHY NATURAL GAS?

### MONEY IN YOUR POCKET.

Switching to natural gas translates to potentially significant fuel cost savings. As the price of diesel continues to rise, the cost of natural gas remains significantly lower and stable, and government tax credits may be available to reduce acquisition costs. Be sure to check with your local dealer to see what incentives are available in your area.

### BETTER FOR THE ENVIRONMENT.

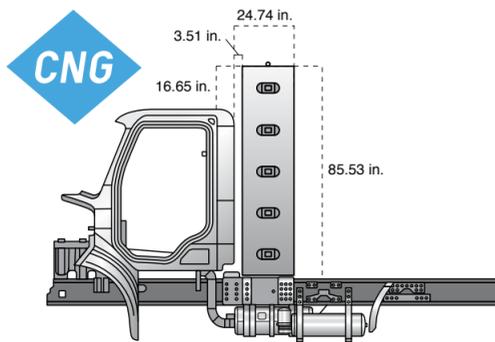
By implementing Freightliner natural-gas-powered products, you're doing your part to help the environment. With near-zero emissions, natural gas trucks are among the cleanest trucks on the road. The trucks are powered by Cummins® Westport engines, which feature reduced greenhouse gas (GHG) emissions of up to 20% versus comparable diesel engines. Also, on average, natural gas engines run 10 decibels quieter than a comparable diesel engine.

### RELIABLE AND SAFE ALTERNATIVES.

The M2 112 and Cascadia 113 natural gas trucks feature factory-installed and warranty-covered natural gas engines, fuel tanks,\* and related components, including a standard methane detection system. The back-of-cab CNG tanks Freightliner installs at the factory are Type III aluminum tanks wrapped in carbon fiber and feature an expected life span of 20 years. The rail-mounted CNG tanks installed on the Cascadia are type IV carbon fiber-wrapped plastic cylinders. 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.

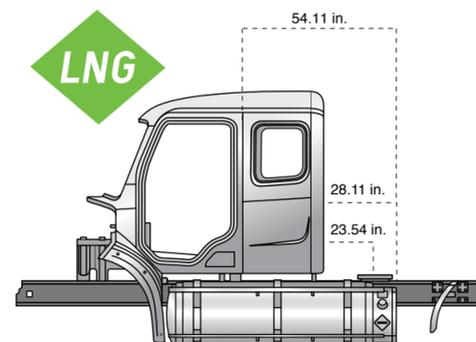
*\* Available on Cascadia Q4 2013*

### M2 CNG CONFIGURATION



= 75 DGE

### M2 LNG CONFIGURATION



= 86 DGE

**DGE = DIESEL GALLON EQUIVALENT**

## WE'VE GOT YOU COVERED.

### UNMATCHED SERVICE AND SUPPORT.

With more than 300 Freightliner dealer locations across North America, you're never far from the convenient service and support you have come to expect from the industry leader. In addition, more than 300 Freightliner ServicePoint® facilities located at TravelCenters of America and Petro Stopping Centers offer certified repair and warranty work.

Freightliner also maintains strategically located parts distribution centers throughout North America, ensuring fast parts delivery to keep customers up and running.

Freightliner's Customer Assistance Center provides customers a hotline that's available 24 hours a day, seven days a week. Customers may call the toll-free number (1-800-FTL-HELP) for technical support, to arrange roadside assistance or towing services, or to locate the nearest dealer or service center.



### A SIMPLE PURCHASE PROCESS THAT'S SECOND TO NONE.

Purchasing a truck is one of the most important decisions you make. Freightliner makes the buying process easy, with highly trained sales consultants and one of the largest dealer networks in the industry, so businesses don't have to look far for their next purchase. Count on Freightliner dealers for reliable product information, truck parts and service, and ongoing customer support.

### FINANCING IS EASY.

Daimler Truck Financial (DTF) offers a variety of options, including loans and leases tailored to the trucking industry, that make financing go smoothly. DTF has been meeting the financing challenges of fleet, owner-operator and vocational customers for more than 30 years. It offers finance solutions including conventional retail financing at attractive and competitive rates, a variety of terms to match cash flow, and up to 100% financing for qualified customers.

**Daimler Truck Financial**

*Financing that works for you.*

**FREIGHTLINERTRUCKS.COM**



Competitive financing available through Daimler Truck Financial. For the Freightliner Trucks dealer nearest you, call 1-800-FTL-HELP. www.freightlinertrucks.com. 10M, 4/13. FTL/MC-B-1207. Specifications are subject to change without notice. Freightliner Trucks is registered to ISO 9001:2008 and ISO 14001:2004. Copyright © 2013. Daimler Trucks North America LLC. All rights reserved. Freightliner Trucks is a division of Daimler Trucks North America LLC, a Daimler company.



**FREIGHTLINER**

## DISTRIBUTION AND REGIONAL HAUL NATURAL GAS TRUCKS



### COMPREHENSIVE WARRANTIES FOR ADDED PEACE OF MIND.

Freightliner stands behind its trucks every step of the way. We offer one of the most comprehensive warranties in the business, as well as a variety of extended warranties.

### BETTER PARTS. GOOD PRICES.

Alliance Truck Parts offers a range of new and remanufactured maintenance, repair and replacement parts and accessories for virtually all types of medium- and heavy-duty trucks at an affordable price. Alliance Truck Parts are sold at Freightliner dealers throughout the U.S. and Canada.



# FUELING YOUR FUTURE.

The use of natural-gas-powered vehicles has grown in popularity in recent years. The cost of natural gas fuel is significantly lower than diesel fuel and low emissions make the fuel more environmentally friendly. Domestic availability decreases our dependence on foreign resources, so supply and price are more stable. And the natural gas infrastructure continues to make fueling more and more convenient. All of these factors have made natural gas a primary focus of Daimler Trucks North America, our parent company. The Daimler initiative, Shaping Future Transportation, fosters the development of new technologies that will benefit the industry and the communities we call home.

Freightliner Trucks has been building natural gas trucks in our plants since 2008. Our natural-gas-powered Freightliner M2 112 and Cascadia® 113 trucks have proven their performance for regional haul and distribution fleets. The fuel savings alone can make a significant impact on your business. In most major markets, the availability of fuel makes route management easier than ever. Tractors can be spec'd to use liquefied natural gas (LNG) or compressed natural gas (CNG) depending on customer preference. CNG is also available for straight truck applications.

Freightliner offers factory-installed and warranty-covered CNG back-of-cab tanks in 60-diesel gallon equivalent (DGE) and 75-DGE configurations on the M2 112 and 75- and 100-DGE back-of-cab tanks\* on the Cascadia 113. 40- and 45-DGE rail-mounted tanks are also available.\* Factory-installed LNG options for tractor-only configurations of the M2 112 and Cascadia 113 include 119- and 150-gallon tanks, which equate to 65- and 86-DGE respectively.

Additionally, Freightliner natural gas vehicles are quieter than diesel fueled models. That makes them ideal for early morning deliveries and residential routes. The M2 112 and Cascadia 113 also offer excellent maneuverability and visibility, so you can get in and out of tight locations. Put simply, with Freightliner trucks, you can keep your fleet on the road and productive.

Shaping Future Transportation.  
CleanDrive Technologies.  
A Daimler Initiative.

\*Available on Cascadia Q4 2013



CASCADIA 113 CNG NATURAL GAS



M2 112 LNG NATURAL GAS

# POWER AND PERFORMANCE.

The Freightliner M2 112 is powered by a Cummins Westport ISL G 8.9 liter engine, which set the industry standard for natural gas engines in 2007. It provides horsepower ratings from 260 to 320 and torque ratings from 660 to 1000 lb-ft. The spark-ignited ISL G is one of the only factory-built, dedicated natural gas engines available in the commercial vehicle market. It's built on the same assembly line as the ISL diesels and shares 80% of the components with its diesel-powered sibling.

The ISL G offers other advantages, including a maintenance-free aftertreatment system with a three-way passive catalyst, reducing complexity. Since it is a spark-ignited engine, it does not require diesel pilot injection, which means that vehicles do not require diesel tanks and fuel, diesel selective catalytic reduction (SCR) aftertreatment devices or diesel exhaust fluid (DEF). And the ISL G can be spec'd to run on either CNG or LNG, so you can use the fuel that makes the most sense for your business.

The Cummins Westport ISX12 G offered in the Cascadia 113 features horsepower ratings up to 400 hp and torque ratings up to 1450 lb-ft, and utilizes the same stoichiometrically-cooled EGR combustion technology with spark ignition as the ISL G. Which means the ISX12 G also provides a maintenance-free aftertreatment system with a three-way passive catalyst and no diesel fuel, no diesel particulate filters and no SCR equipment.

Freightliner M2 112 natural gas vehicles feature the 3000 series HS and RDS Allison® automatic transmissions. The Cascadia natural gas 113 features the Allison 4000HS automatic transmission. Their patented torque converter technology results in improved start at the launch of the vehicle, full power shifts and better performance. Eaton® Fuller manual transmissions will also be available on the Cascadia 113 natural gas truck.

## CUMMINS WESTPORT ISL G 8.9 LITER NATURAL GAS ENGINE

- Uses stoichiometrically-cooled EGR combustion
- EPA 2010 and CARB emissions standards compliant
- Available up to 320 HP, 1000 lb-ft torque
- No SCR aftertreatment system required
- Maintenance-free exhaust system
- No DPF regeneration, cleaning or replacement
- Spark ignited
- Dedicated natural gas engine – no dual fuel
- Reliable and durable
- Highest power-to-weight ratio in its class
- Shares many components and parts with ISL diesel engines
- Domestic fuel source reduces dependence on foreign oil
- Backed by a 2-year/250,000-mile warranty



## CUMMINS WESTPORT ISX12 G NATURAL GAS ENGINE

- Uses stoichiometrically-cooled EGR combustion
- EPA 2010 and CARB emissions standards compliant
- Available up to 400 HP, 1450 lb-ft torque
- No SCR aftertreatment system required
- Maintenance-free exhaust system
- No DPF regeneration, cleaning or replacement
- Spark ignited
- Dedicated natural gas engine – no dual fuel
- Reliable and durable
- Highest power-to-weight ratio in its class
- Optional engine brake available
- Shares many components and parts with ISX diesel engines
- Domestic fuel source reduces dependence on foreign oil



Standard methane gas detection system alerts the driver in the event of a fuel leak.



CNG tanks mounted back-of-cab on the Cascadia.



LNG tanks mounted on the M2 112.



Ergonomically designed driver's area features an automotive-style dash, easy-to-read LED-backlit gauges and controls within easy reach. (M2 112-left, Cascadia-right)

# TWO VERSATILE CHOICES.

## M2 112 NATURAL GAS

### STANDARD FEATURES

- 112" BBC day cab
- Steel-reinforced aluminum cab
- One-piece fiberglass hood
- Air rear cab mounts
- Ergonomic wing dash
- Up to 55-degree wheel cut depending on wheel equipment
- Front axle rated at 12,000 lbs
- Rear axle rated at 40,000 lbs
- 75-DGE CNG tanks mounted back-of-cab
- Cummins ISL G 8.9 L engine
- Allison automatic transmission 3000 RDS or HS

### OPTIONAL FEATURES

- 138" BBC steel-reinforced aluminum extended cab; 160" BBC steel-reinforced aluminum crew cab
- Bright-accented front grille with chromed grille surround, headlight bezels and engine air intake grille
- Large selection of wheelbases with frames and frame reinforcements to meet vocational application needs
- Transmission power take-offs
- Steer axles from 10,000 to 16,000 lbs rating
- Single drive axles from 13,000 to 31,000 lbs rating
- Tandem drive axles from 40,000 to 46,000 lbs rating
- Freightliner AirLiner® and TufTrac® rear suspensions
- Hendrickson® and Chalmers® rear suspensions
- Expanded dash instrumentation, switches and controls to meet almost any vocational application
- SmartPlex™ Electrical System
- GVWR up to 62,000 lbs
- 60- or 50-DGE CNG tanks mounted back-of-cab
- 86- or 65-DGE LNG LH rail mounted tanks

## CASCADIA 113 NATURAL GAS

### STANDARD FEATURES

- 113" BBC aluminum conventional day cab
- Low, sloped aerodynamic hood for optimal visibility
- Cummins Westport ISX12 G engine 400 HP, 1450 lb-ft torque
- Front axle rated at 12,000 lbs
- Rear axle rated at 40,000 lbs
- Freightliner AirLiner rear suspension
- Allison 4000 HS automatic transmission
- Optimized aerodynamics reduce fuel consumption
- Roped-in windshield for easier replacement
- Three-piece rain tray for top-of-engine access
- Gas strut-assisted hood for effortless open and close
- Breakaway mirrors decrease cab and hood damage
- Air rear cab mounts
- Ergonomic wing dash
- Powerful HVAC system with 6 outlets
- Cab insulation and pre-stressed walls reduce noise
- Roomy cab with increased belly, leg and elbow room, plus large, comfortable seats fit drivers of all sizes
- A tilt-telescoping steering column adjusts for driver comfort
- Steering wheel controls keep hands on wheel and eyes on road
- Up to 50-degree wheel cut depending on wheel equipment

### OPTIONAL FEATURES

- 48" sleeper cab
- Eaton Fuller manual transmissions
- Allison 4000 RDS; 4500 HS or RDS
- Large selection of wheelbases with frames and frame reinforcements to meet application needs
- Available with airshield roof fairing
- Life Guard RollTek® reduces injury and accident costs
- Steer axles up to 14,700 lbs rating
- 23,000 lb rating single drive axle
- Tandem drive axles from 40,000 to 46,000 lbs rating
- CNG fuel tanks:
  - 25-DGE tanks back-of-cab, up to 4 (100-DGE total)
  - Dual or single 40- or 45-DGE rail mounted (90-DGE total)
- LNG fuel tanks:
  - Dual or single 150 gallon (86-DGE each) rail mounted
  - Dual or single 119 gallon (68-DGE each) rail mounted

\*Canada only