

2014 SPECIFICATIONS

Dennis Eagle - 6 X 4 - ISL G HDCNG™

COMPRESSED NATURAL GAS VEHICLE



Safer, Greener more Productive



FEATURES	BENEFITS
Lower Emissions	Lower Emissions EPA 2013 compliant, significantly reducing greenhouse gas emissions (GHG) by up to 20%.
Lower Operating Costs	As the price of diesel continues to rise, the cost of natural gas remains relatively lower and stable. Switching to natural gas can lead to significant fuel savings.
Maintenance Free Aftertreatment	Does not require diesel particulate filter or selective catalytic reduction to meet ADR 80/03 emissions.
Simplicity	Spark ignition and CNG fuel system is significantly simpler than a compression ignition and diesel fuel system.
Lower Noise Emissions	Up to 50% lower noise emissions over conventional diesel engine.
IntelliGas HDCNG™ Fuel Storage System	Advanced IntelliGas patented technology HDCNG™ fuel storage system provides near diesel fuel range in a single HDCNG™ storage tank. This advanced technology ensures the CNG storage and fuel delivery system does not increase vehicle wheelbase or compromise body integration.
Performance	300 hp (224 kw) and 860 lb-ft (1166 Nm) of torque delivers outstanding performance with CNG optimised drivetrain.
Energy Independence	Uses domestic fuel sources reducing our reliance on imported oil.
Peace of Mind	The ISL G engine is fully backed by Cummins standard 2 year ISL engine warranty.

Penske Commercial Vehicles Pty Ltd (the company) reserves the right to change the specification, design, material, procedures and dimensions of the vehicles described herein without prior notice at any time in the future, in accordance with the company's constant product improvement policy.

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DENNIS EAGLE

DENNIS EAGLE - 6 X 4 - ISL G HDCNG™

Compressed Natural Gas Vehicle
Dual Control & Right Hand Steer

OVERVIEW



Cummins Westport ISL G

The leading Natural Gas Engine for heavy truck applications.

Lower emissions, Improved Performance, Lower Costs.

The ISL G is the natural choice in alternative-fuel engine technology. With industry-leading performance, it combines all the advantages of clean-burning, low-cost natural gas with “no compromise” power and torque for vocational and medium and heavy duty truck and tractor applications.

Since the ISL G was introduced in 2007, thousands of truck and bus customers have benefited from the impressive low-end torque, transient response and quiet operation of the ISL G. Today the ISL G fully meets ADR 80/03 delivering emission levels that meet the significantly more demanding 2013 EPA and ARB emissions standards as well as the 2014 EPA and US Department of Transportation (DOT) greenhouse gas (GHG) and fuel efficiency regulations.

With 300 hp and 1166 Nm of torque on tap the ISL G engine delivers the kind of performance you are used to and need to be productive.

Advanced Combustion Technology

The ISL G uses Stoichiometric cooled Exhaust Gas Recirculation (SEGR) combustion, leveraging Cummins proven EGR technology to deliver a high performance natural gas engine. The use of cooled SEGR combustion improves power density and fuel economy versus leanburn and traditional stoichiometric engines. Furthermore, natural gas coupled with spark ignition provides for a smoother running engine, resulting in a significant reduction in noise emissions - as much as 50% lower than from a comparable diesel engine.

Maintenance-Free Aftertreatment

Another benefit of the ISL G combustion technology is enabling the use of Three-Way Catalyst (TWC) aftertreatment. TWCs are effective, simple, passive devices, packaged as part of the muffler. They provide consistent emissions control performance, are maintenance-free and can be mounted vertically or horizontally on the vehicle. The ISL G does not require active after treatment such as Diesel Particulate Filter (DPF) or Selective Catalytic Reduction (SCR).

Cost Benefits

The cost benefits of CNG continue to improve as the price of diesel has risen. Natural gas pricing is generally 30% to 50% less than the equivalent price of diesel.

Furthermore, CNG offers the opportunity to establish a fixed long term supply agreement with a number of gas suppliers for even further reduced costs.

IntelliGas HDCNG™ - High Density CNG

IntelliGas has developed High Density/Heavy Duty CNG solutions (HDCNG™) that address the short comings of typical CNG fuel storage systems used in the commercial vehicle market.

Their patents pending filling, storage, and dispensing systems provide fast, complete fills with a 50 to 80% increase in Diesel Fuel Equivalent (DLE) capacity over conventional on board CNG storage systems.

This technology allows the DE HDCNG™ vehicle to achieve a nominal 250 Diesel Litre Equivalent (DLE) CNG fuel capacity with a single HDCNG™ storage tank.

The HDCNG™ system coupled with the unique characteristics of the Dennis Eagle chassis allows the Dennis Eagle HDCNG™ vehicle to deliver near diesel range and performance without comprising overall vehicle packaging.

Applications

The Dennis Eagle CNG chassis is ideally suited for demanding applications - from parcel delivery to the start stop demands of refuse collection. Its low entry and exit cab, coupled with tall and wide door openings and large well positioned grab handles provides operators with the easiest and safest entry and exit of any vehicle in its class.

Furthermore, the flat floor and true standup height across the full width of the cab allows operators to safely entry and exit the vehicle from the curb side - avoiding risky traffic side entry and exists.

The Dennis Eagle ISL G model is being introduced on a limited customer evaluation basis. For more details of specifications and options please consult a Dennis Eagle Sales representative.

