

Cummins Westport
The Natural Choice



Introducing
ISX12 G

Heavy-Duty Natural Gas Truck Engine

CNG

LNG



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The Natural Choice.

ISX12 G Natural Gas Truck Engine.

The Cummins Westport ISX12 G is a new, larger-displacement natural gas engine for a variety of heavy-duty vehicles, including regional-haul truck/tractor, vocational and refuse applications. With a displacement of 11.9 liters and up to 400 hp (298 kW) and 1450 lb-ft (1966 N•m) of torque, the ISX12 G is the natural choice when considering alternative fuel for demanding applications. Engine braking as well as automatic and manual transmission options will be available at launch.

Featuring proven Stoichiometric cooled Exhaust Gas Recirculation (SEGR) combustion technology, spark ignition and simple Three-Way Catalyst (TWC) aftertreatment, the ISX12 G delivers strong pulling power and heavy-duty durability and performance that customers can depend on.

The ISX12 G is a dedicated natural gas engine, based on the Cummins ISX12 diesel engine, that operates on 100 percent clean-burning, low-cost natural gas. The ISX12 G is manufactured on the same assembly line as the Cummins ISX12 engine. The ISX12 G will meet the U.S. Environmental Protection Agency (EPA) and California Air Resources Board (ARB) emissions standards at launch.

➤ **Fuel System** – The natural gas can be stored on the vehicle in either compressed (CNG) or liquefied (LNG) form. The ISX12 G can also operate on renewable natural gas or biomethane that meets fuel-quality specifications.



➤ **Advanced Air Handling** – Electronic control for precise air handling. Wastegate turbocharger with water-cooled bearing housing for durability.

➤ **Cooled-EGR Combustion Technology** – Takes a measured quantity of exhaust gas and passes it through a cooler to reduce the temperature before mixing it with fuel and the incoming air charge to the cylinder. The use of cooled EGR in combination with stoichiometric combustion improves power density and fuel economy versus lean-burn or traditional stoichiometric natural gas engines.

➤ **Three-Way Catalyst Aftertreatment** – Three-Way Catalysts (TWCs) are effective, simple devices, packaged as part of the muffler, that provide consistent emissions control performance and are maintenance-free. The ISX12 G will not require a Diesel Particulate Filter (DPF) or Selective Catalytic Reduction (SCR) system.

ISX12 G Ratings*

Engine Model	Advertised hp (kW)	Peak Torque lb-ft (N•m) @ rpm	Governed Speed
ISX12 G 400	400 (298)	1450 (1966) @ 1200	2100 RPM
ISX12 G 385	385 (287)	1350 (1830) @ 1200	2100 RPM
ISX12 G 350**	350 (261)	1450 (1966) @ 1200	2100 RPM
ISX12 G 350**	350 (261)	1350 (1830) @ 1200	2100 RPM
ISX12 G 330**	330 (246)	1250 (1695) @ 1200	2100 RPM
ISX12 G 320**	320 (239)	1150 (1559) @ 1200	2100 RPM

*Preliminary ratings – subject to change.

**Refuse/vocational truck application ratings.

ISX12 G Specifications***

Maximum Horsepower	400 HP	298 kW
Peak Torque	1450 LB-FT	1966 N•m
Governed Speed	2100 RPM	
Clutch Engagement Torque	700 LB-FT	949 N•m
Type	4-cycle, spark-ignited, in-line 6-cylinder, turbocharged, CAC	
Engine Displacement	726.2 CU IN	11.9 LITERS
Bore and Stroke	5.11 IN x 5.91 IN	130 MM x 150 MM
Operating Cycles	4	
Oil System Capacity	12 U.S. GALLONS	45.4 LITERS
Coolant Capacity	26.5 U.S. QUARTS	25.1 LITERS
Net Weight (Dry)	2,650 LB	1,202 KG
Fuel Type	CNG/LNG/biomethane	
Aftertreatment	Three-Way Catalyst (TWC)	
Availability	2013	
Number of Cylinders	6	

***Preliminary specifications – subject to change.



Customer Support Every Place You Need It.

Local service, parts, training and warranty support for all Cummins Westport products is available at any authorized Cummins Service facility. Cummins global network includes more than 600 independent and company-owned distributor locations, with approximately 6,500 parts or service locations in approximately 190 countries and territories.

For questions regarding your Cummins Westport engine or for assistance in finding a repair facility in the U.S. and Canada, call Cummins Care at 1-800-DIESELS™ (1-800-343-7357).



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