



Better. Where It Counts.

Cummins 2013 ISX15 For Truck Applications.



ISX15



Better. Where It Counts.

Exceptional fuel economy, proven reliability, the broadest power range, big-bore performance and high resale value have made Cummins ISX15 the preferred choice in heavy-duty engines for every type of customer, with availability in all major trucking OEMs across North America.

So in 2013 we've refined our technology to deliver up to 2 percent better fuel economy versus the 2012 ISX15, while meeting 2014 greenhouse gas (GHG) and fuel-efficiency regulations a full year ahead of schedule. Lowering fuel use results in less carbon dioxide (CO₂) emissions, so achieving better fuel economy actually reaches both standards.

Cummins is the only manufacturer to design, develop and support a totally integrated package from the air handling to the exhaust aftertreatment. This allows us to optimize performance to a degree that no other engine manufacturer can match. It's that kind of advanced thinking that allows the ISX15 to meet the U.S. Environmental Protection Agency (EPA) 2014 GHG requirements and U.S. Department of Transportation (DOT) 2014 fuel-efficiency standards – all with improved fuel economy, reliability and durability.

So you can expect your dry van, reefer, tanker or whatever kind of ISX15-powered truck you drive to meet the most demanding performance standards – while lowering operating costs for your fleet. That's what we mean when we say that Cummins makes every vehicle run better where it counts.

Better Fuel Economy.

Key factors in achieving 2 percent better fuel economy for 2013 are the introduction of a highly efficient water pump and fuel pump, along with optimized combustion efficiency and fewer active aftertreatment regenerations. Reducing parasitic loads on the engine means that more of the energy generated from every drop of fuel goes to the drive wheels.

Better At Meeting Your Needs.

The ISX15 delivers unsurpassed fuel economy, with ratings, including 400 hp (298 kW), 425 hp (317 kW) and 450 hp (336 kW), specifically designed to meet the needs of fuel-conscious fleets. SmartTorque ratings combine the best of both worlds by adding 200 lb-ft (271 N•m) of extra torque in the top two gears, so Class 8 trucks can make it up steep grades with higher road speeds and fewer downshifts. Our vocational ratings are engineered to provide additional torque in the lower gear ranges, where it's needed most.



New Standards. Proven Technology.

The EPA and the DOT have enacted new GHG and fuel-efficiency standards, scheduled to take effect in 2014.

The fact that Cummins is utilizing technology proven on commercial vehicle engines is one of the reasons we are meeting these requirements a full year ahead of schedule. Our Cummins 2013 engines will also be equipped with the required On-Board Diagnostics system that monitors and ensures optimal performance of the emissions system.



On-Board Diagnostics.

Cummins proven On-Board Diagnostics system has been used in thousands of on-road vehicles since 2007. The

On-Board Diagnostics system continuously monitors performance of the emissions system, providing alerts via a Malfunction Indicator Lamp (MIL) on the instrument panel. The MIL illuminates when it detects a malfunction related to the emissions control system, alerting the operator that the engine needs proper troubleshooting and possible repair.

Every Benefit. Clear.

The Cummins Aftertreatment System has been proven for years and thoroughly tested under the most extreme conditions. This proven system consists of a Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR) and a dosing system for the Diesel Exhaust Fluid (DEF). Designing and building the package in-house allows Cummins to calibrate the engine and aftertreatment system for optimum fuel economy, performance and near-zero emissions.

Diesel Exhaust Fluid.

DEF is sprayed at a rate of approximately 3 percent to 4 percent of fuel consumption, and will need to be refilled periodically. Simply check the DEF gauge on your dashboard at each refueling. DEF is readily available at all Cummins distributors, through Cummins Filtration's distribution network and at major service stations and truck stops.



For additional information, see the fuel and DEF usage calculator at cumminsengines.com.



ISX15 Maintenance Intervals

Maintenance Item	Miles/Kilometers	Hours	Months
Coolant Filter*	50,000 MI 80,000 KM	1,500	12
Valve Adjustment	500,000 MI 800,000 KM	10,000	60
Coalescing Filter	125,000 MI 200,000 KM	3,000	
DEF Filter	300,000 MI 480,000 KM	6,750	
Particulate Filter Cleaning	200,000 MI 320,000 KM	4,500	

*With appropriate filter

Oil Drain Intervals*

LINEHAUL TRUCKS

Duty Cycles	Miles/Kilometers	Hours	Months
Severe < 5.5 mpg	20,000 MI 32,000 KM	1,000	6
Normal = 6.5-5.5 mpg	30,000 MI 48,000 KM	1,000	6
Light > 6.5 mpg	40,000 MI 64,000 KM	1,000	6

VOCATIONAL TRUCKS**

	Miles/Kilometers	Hours	Months
	20,000 MI 32,000 KM	500	6

Fuel Filter Change Intervals

LINEHAUL TRUCKS

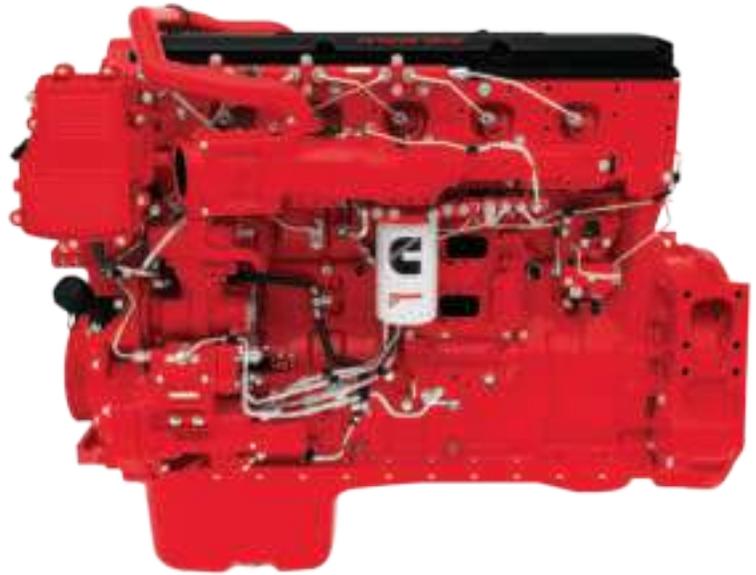
Duty Cycles	Miles/Kilometers	Hours	Months
Severe < 5.5 mpg	30,000 MI 48,000 KM	1,000	6
Normal = 6.5-5.5 mpg	30,000 MI 48,000 KM	1,000	6
Light > 6.5 mpg	40,000 MI 64,000 KM	1,000	6

VOCATIONAL TRUCKS**

	Miles/Kilometers	Hours	Months
	20,000 MI 32,000 KM	500	6

*Using CJ-4 oil. When using Valvoline™ Premium Blue™ add 5,000 miles (8,000 km) to normal-duty and light-duty cycle intervals.

**Includes refuse, mixer, dump and delivery trucks



ISX15 Specifications

Advertised Horsepower	400-600 HP	298-447 kW
Peak Torque	1450-2050 LB-FT	1966-2779 N•M
Governed Speed	1800/2000 RPM	
Clutch Engagement Torque	1000 LB-FT	1356 N•M
Number of Cylinders	6	
System Weight	3,204 LB	1,453 KG
Engine (Dry)	2,964 LB	1,344 KG
Aftertreatment System*	240 LB	109 KG

*Increase over standard muffler; does not include chassis OEM-supplied components



Designed Better To Work Better.

Cummins designs, develops and supports every component from the air handling to the exhaust aftertreatment to work as a totally integrated system – so we can optimize every function better than other engine manufacturers.



VGT™ Turbocharger From Cummins Turbo Technologies

The patented design is widely recognized as the industry leader for performance. Electric actuation improves precision and responsiveness. The VGT Turbocharger also increases fuel economy and braking horsepower.



XPI Fuel System From Cummins Fuel Systems

Delivers superior performance regardless of engine rpm. Multiple injection events per cycle improve fuel efficiency and enable smoother, quieter operation.



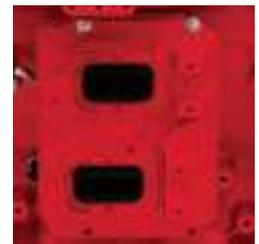
Cummins Aftertreatment System From Cummins Emission Solutions

Proprietary system consists of a Diesel Particulate Filter (DPF) and Selective Catalytic Reduction (SCR) technology for near-zero emissions.



Fleetguard® Fuel Filters, Lube Filters And DEF From Cummins Filtration

Fleetguard filters protect against corrosion and contaminants that can cause performance issues. High-quality DEF is widely available at authorized Cummins and Fleetguard locations, as well as in bulk delivery.



Single High-Capacity Electronic Control Module (ECM)

A single ECM manages the engine and aftertreatment system for optimum performance and fuel efficiency.



Better Spec'ing For Better Results.

Spec'ing your ISX15-powered vehicle is simple, with a user-friendly gearing calculator and a complete menu of programmable engine parameters that are easily customized using our online PowerSpec tool (powerspec.cummins.com). PowerSpec helps you identify the correct axle ratio, with gearing recommendations and specifications for the equipment and duty cycles you run. It's important to have the latest version because new trucks are being geared taller for better fuel economy.

Then, programmable features such as Load-Based Speed Control (LBSC) and Gear-Down Protection (GDP) can be set to help drivers achieve maximum fuel economy.

In addition to gearing recommendations, PowerSpec allows authorized users to customize the operating parameters on individual vehicles – or easily cascade a “hot spec” through an entire fleet. It also reads fault codes and can be programmed to collect trip information for multiple drivers on every truck.

Regardless of the type of vehicle you run, you can expect Cummins ISX15 to deliver up to 2 percent better fuel economy versus the 2012 ISX15. There's no compromise on performance, as the ISX15 is rated at 400 hp to 600 hp (298-447 kW) with 2050 lb-ft (2779 N•m) of peak torque. Oil-change intervals have been extended by 5,000 miles (8,000 km) versus our 2012 ISX15. For normal-duty and light-duty, you can extend oil drain intervals an additional 5,000 miles (8,000 km) with the use of Valvoline™ Premium Blue™ oil.

ISX15 Ratings

Engine Model	Advertised HP (kW)	Peak Torque LB-FT (N•M) @ RPM
ISX15 600	600 (447)	2050 (2779) @ 1200
ISX15 600	600 (447)	1850 (2508) @ 1200
ISX15 550	550 (410)	2050 (2779) @ 1200
ISX15 550	550 (410)	1850 (2508) @ 1200
ISX15 525	525 (392)	1850 (2508) @ 1200
ISX15 500	500 (373)	1850 (2508) @ 1200
ISX15 500	500 (373)	1650 (2237) @ 1200
ISX15 485	485 (362)	1850 (2508) @ 1200
ISX15 485	485 (362)	1650 (2237) @ 1200
ISX15 450	450 (336)	1650 (2237) @ 1000
ISX15 450	450 (336)	1550 (2102) @ 1000
ISX15 425	425 (317)	1650 (2237) @ 1000
ISX15 400	400 (298)	1450 (1966) @ 1000

SmartTorque Ratings

ISX15 500 ST	500 (373)	1650/1850 (2237/2508) @ 1200
ISX15 485 ST	485 (362)	1650/1850 (2237/2508) @ 1200
ISX15 450 ST	450 (336)	1550/1750 (2102/2373) @ 1000
ISX15 450 ST	450 (336)	1450/1650 (1966/2237) @ 1000
ISX15 425 ST	425 (317)	1550/1750 (2102/2373) @ 1000
ISX15 425 ST	425 (317)	1450/1650 (1966/2237) @ 1000
ISX15 400 ST	400 (298)	1550/1750 (2102/2373) @ 1000
ISX15 400 ST	400 (298)	1450/1650 (1966/2237) @ 1000

Vocational Ratings

ISX15 500V	500 (373)	1850 (2508) @ 1200
ISX15 500V	500 (373)	1650 (2237) @ 1200
ISX15 455V	455 (339)	1650 (2237) @ 1200

Better Warranty Coverage.



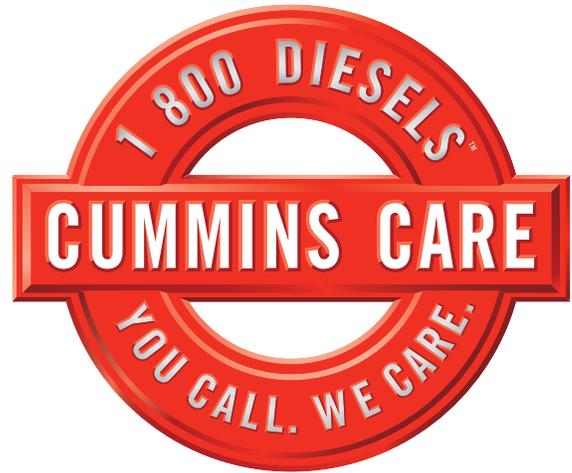
Base engine warranty coverage* for Cummins ISX15 includes parts and labor on warrantable failures for both the engine and aftertreatment system – all with no deductible. Cummins base warranty coverage is good for 2 years/250,000 miles (402,336 km).

*Covers defects in Cummins materials or factory workmanship

Every Confidence.

Peace of mind comes from knowing you've bought a quality product, and that the manufacturer will stand behind it for years to come. Cummins offers a wide variety of protection plans for ISX15 engines, tailored to meet the needs of specific applications and trade cycles. It's insurance that allows you to make financial plans with complete confidence, with options for up to 7 years or 500,000 miles (804,672 km) on all registered parts and labor. Cummins extended coverage plans cover internal components and major engine systems, including the turbocharger, water pump and fuel injectors* and, new for 2013, the air compressor, fuel pump and select engine sensors. For additional details, contact your local Cummins distributor or dealer.

*Does not include hydrocarbon doser injector



Better Customer Care.

Cummins-powered vehicles are backed by the largest and most capable parts and service network in North America, with over 3,500 locations. Our authorized service technicians are fully trained on all of our engines and have the necessary equipment and Genuine Cummins Parts to promptly handle any type of service issue. Call Cummins Care at 1-800-DIESELS™ (1-800-343-7357), and you'll get 24/7/365 assistance from a Cummins Care representative. If you need service, your Cummins Care representative will locate the nearest available and authorized facility.

Better Answers.

From improved fuel economy to easy spec'ing to exceptional durability and resale value, the ISX15 delivers better where it counts. To learn more, visit cumminsengines.com, phone 1-800-DIESELS (1-800-343-7357) or contact your local Cummins distributor or dealer.





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