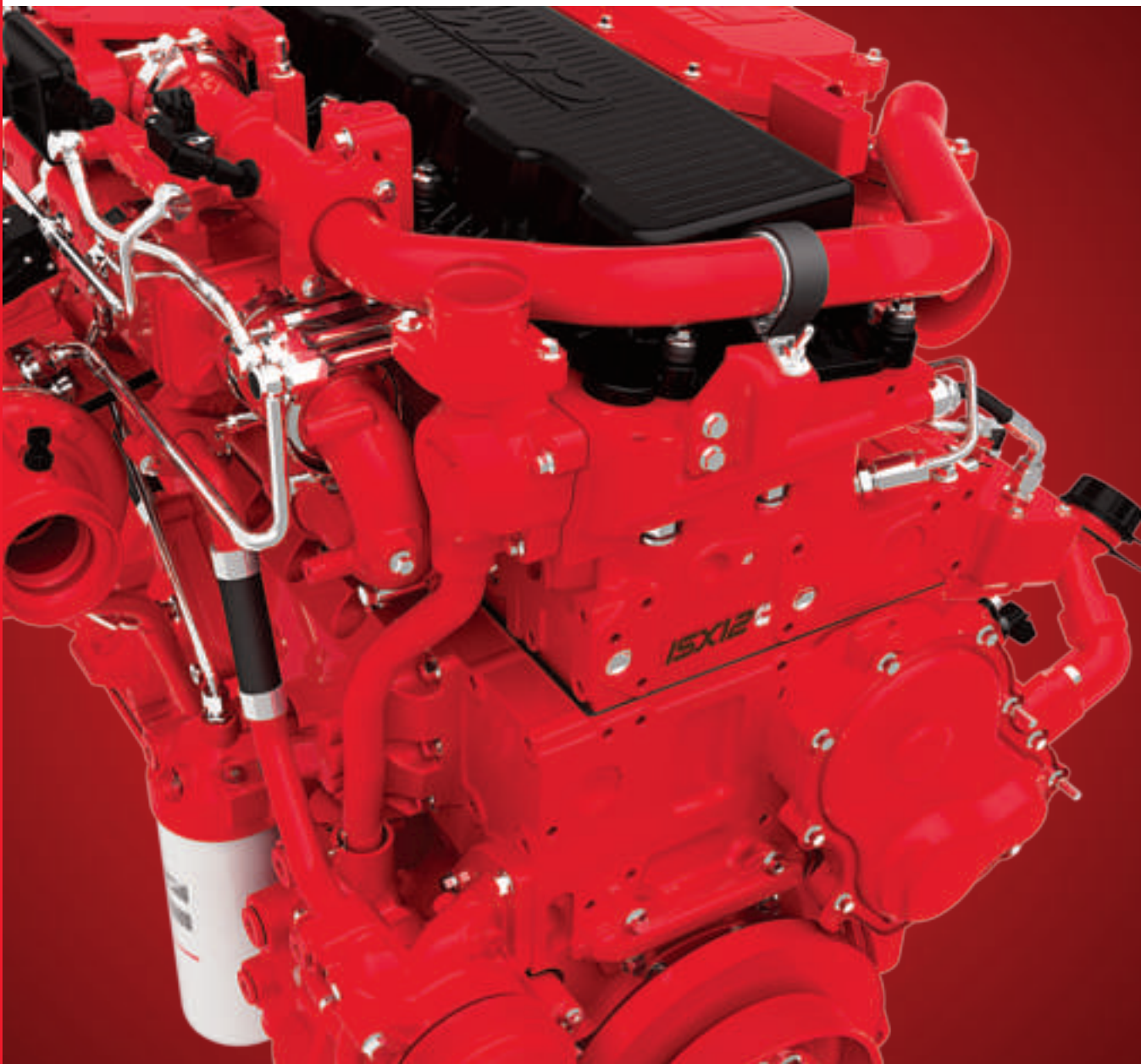




Better. At Work.

Cummins 2013 ISX12 For Vocational
And Day Cab Truck Applications.



ISX12

Better. Where It Counts.

Cummins ISX12 is making a huge impact in work trucks of all types, from mixers and dump trucks to day cabs and less-than-truckload (LTL) operations. It combines the strength and reliability of proven technology from the ISX15 – the industry's most popular heavy-duty diesel – with a high power-to-weight ratio and over 800 lb-ft (1085 N•m) of clutch engagement torque.

To build on the success of the 2013 ISX12, we've refined our technology to deliver up to 2 percent better fuel economy versus the 2012 ISX12 while meeting 2014 U.S. Environmental Protection Agency (EPA) greenhouse gas (GHG) emissions standards and U.S. Department of Transportation (DOT) fuel-efficiency standards a full year ahead of schedule. How? A reduction in parasitic losses with a higher-efficiency water pump and fuel pump, optimized combustion and fewer active aftertreatment regenerations add up to better fuel economy. Lowering fuel use results in less carbon dioxide (CO₂) emissions (the main GHG being regulated), so achieving better fuel economy actually meets both standards.

Cummins is the only engine manufacturer that designs and develops every component from the air handling to the exhaust aftertreatment. Our totally integrated package allows us to optimize performance to a degree that no other engine manufacturer can match.

With the amount of fuel saved, you can expect your ISX12-powered trucks to meet the most demanding performance standards with a lower overall cost of operation. Because getting more out of every truck gets you more on the bottom line, every contract.



Features For Every Function.

The ISX12 is ideal in operations calling for a compact heavy-duty engine. The ISX12 Vocational ratings are engineered to provide additional torque in the lower gear ranges, where it's needed most. We offer multiple options, including both Front- and Rear Engine Power Take-Off (FEPTO and REPTO) units and a selection of hydraulic drive options. This versatility makes the ISX12 an ideal choice for rear- and front-pouring mixers as well as dump trucks and refuse haulers.

We also offer standard ratings, with engine software configurations designed to deliver the precise combination of fuel economy and performance to meet the needs of regional and LTL fleets.

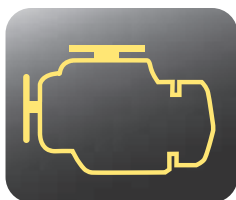
Regardless of your ISX12-powered application, you can expect Cummins ISX12 to deliver up to 2 percent better fuel economy versus the 2012 ISX12. The ISX12 is rated at 310 hp to 425 hp (231-317 kW), with up to 1650 lb-ft (2237 N•m) of peak torque.

Oil-change intervals for the 2013 ISX12 can be extended by 5,000 miles (8,000 km) with the use of Valvoline™ Premium Blue™ oil in normal-duty and light-duty cycle operation, helping to maximize uptime while reducing maintenance costs. The optional engine brake provides additional control, as it minimizes service brake wear and replacement costs.

New Standards. Proven Technology.

The EPA and 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. This 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.

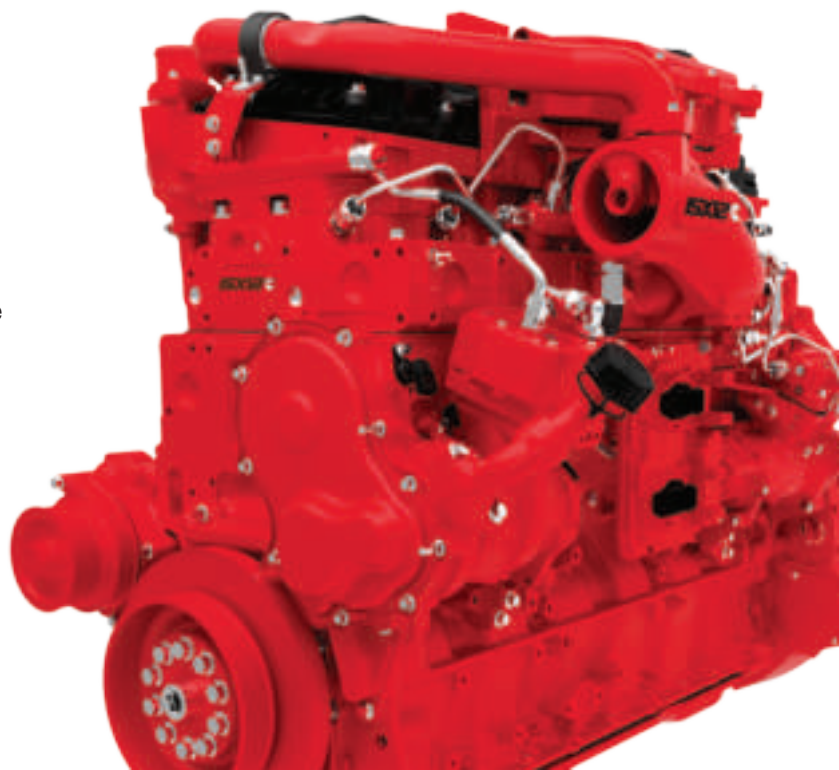
The Cummins Aftertreatment System has been proven for years and thoroughly tested under the most extreme conditions. This proven system consists of a Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR) and a dosing system for the Diesel Exhaust Fluid (DEF). Designing and building the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



ISX12 Maintenance Intervals

Maintenance Item	Miles/Kilometers	Hours	Months
Coolant Filter*	50,000 MI 80,000 KM	1,500	12
Valve Adjustment	250,000 MI 400,000 KM	6,000	24
Coalescing Filter	150,000 MI 240,000 KM	4,000	
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 < 6 mpg	15,000 MI 24,000 KM	400	6
Normal = 6-7 mpg	25,000 MI 40,000 KM	400	6
Light > 7 mpg	35,000 MI 56,000 KM	400	6

VOCATIONAL TRUCKS**

	Miles/Kilometers	Hours	Months
	15,000 MI 24,000 KM	400	6

Fuel Filter Change Intervals

LINEHAUL TRUCKS

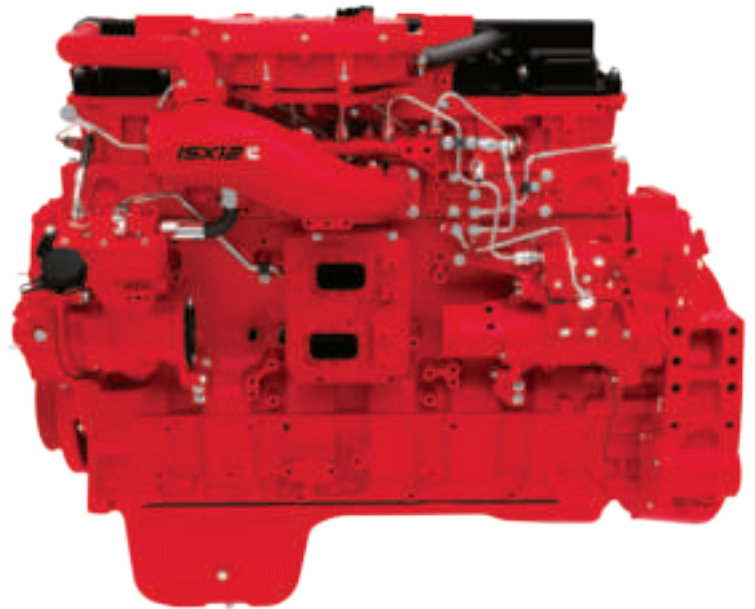
Duty Cycles	Miles/Kilometers	Hours	Months
Severe < 6 mpg	30,000 MI 48,000 KM	1,000	6
Normal = 6-7 mpg	30,000 MI 48,000 KM	1,000	6
Light > 7 mpg	35,000 MI 56,000 KM	1,000	6

VOCATIONAL TRUCKS**

	Miles/Kilometers	Hours	Months
	30,000 MI 48,000 KM	1,000	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



ISX12 Specifications

Advertised Horsepower	310-425 HP	231-317 kW
Peak Torque	1150-1650 LB-FT	1559-2237 N•M
Governed Speed	2100 RPM	
Clutch Engagement Torque	800 LB-FT	1085 N•M
Number of Cylinders	6	
System Weight	2,880 LB	1,306 KG
Engine (Dry)	2,640 LB	1,197 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.



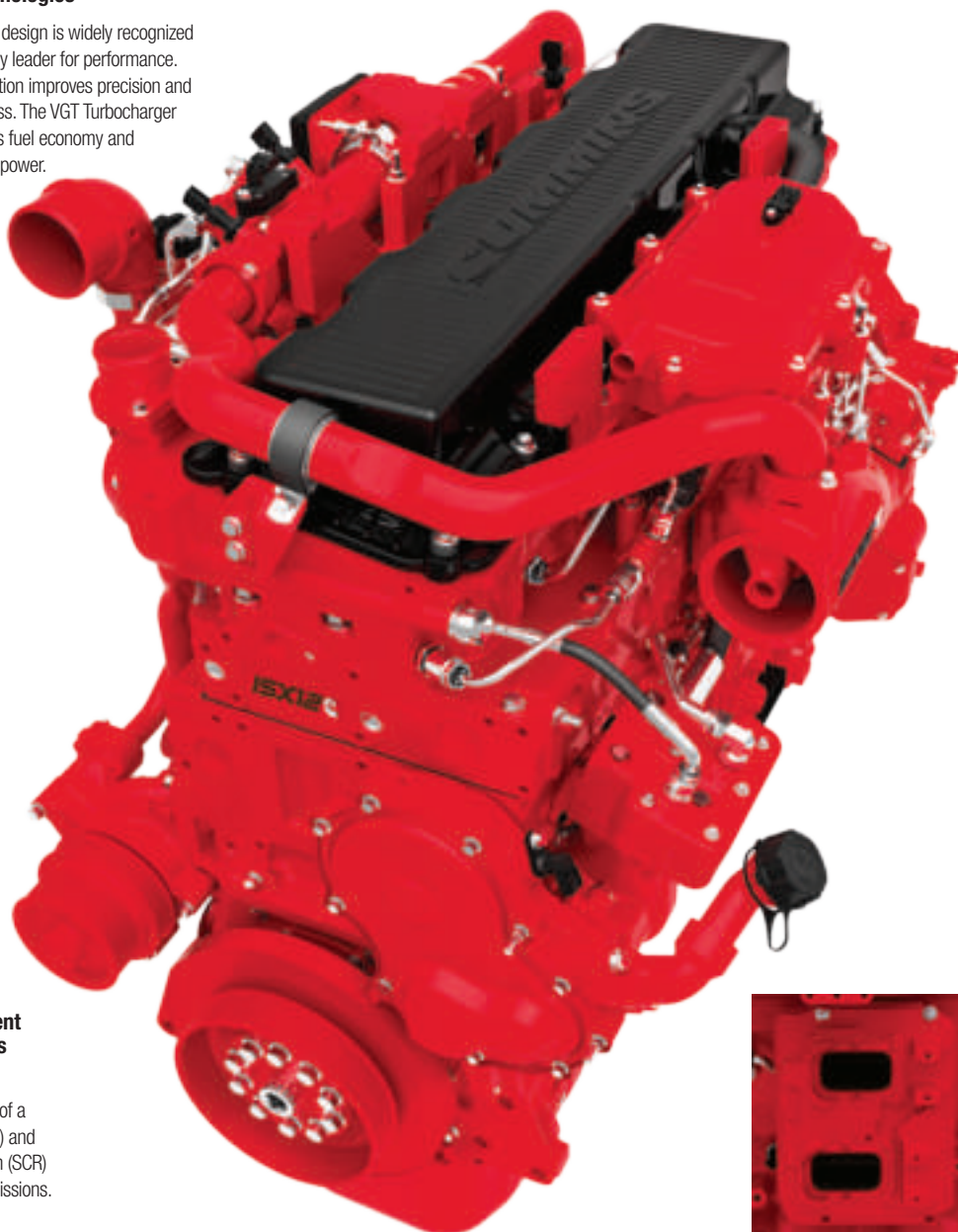
Fleetguard® Fuel Filters, Lube Filters And DEF From Cummins Filtration

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 ISX12-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.

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.

ISX12 Ratings

Engine Model	Advertised HP (kW)	Peak Torque LB-FT (N•M) @ RPM
ISX12 425	425 (317)	1650 (2237) @ 1100
ISX12 400	400 (298)	1650 (2237) @ 1100
ISX12 370	370 (276)	1450 (1966) @ 1100
ISX12 370	370 (276)	1350 (1830) @ 1100
ISX12 350	350 (261)	1350 (1830) @ 1100
ISX12 330	330 (246)	1350 (1830) @ 1100
ISX12 330	330 (246)	1250 (1695) @ 1100
ISX12 310	310 (231)	1150 (1559) @ 1100

SmartTorque Ratings

ISX12 425 ST	425 (317)	1450/1650 (1966/2237) @ 1100
ISX12 400 ST	400 (298)	1450/1650 (1966/2237) @ 1100
ISX12 350 ST	350 (261)	1350/1450 (1830/1966) @ 1100
ISX12 330 ST	330 (246)	1250/1350 (1695/1830) @ 1100

Vocational Ratings

ISX12 425V	425 (317)	1650 (2237) @ 1100
ISX12 425V	425 (317)	1550 (2102) @ 1100
ISX12 400V	400 (298)	1650 (2237) @ 1100
ISX12 385V	385 (287)	1450 (1966) @ 1100
ISX12 385V	385 (287)	1350 (1830) @ 1100
ISX12 350V	350 (261)	1450 (1966) @ 1100
ISX12 350V	350 (261)	1350 (1830) @ 1100
ISX12 320V	320 (239)	1150 (1559) @ 1100

Refuse Ratings

ISX12 385R	385 (287)	1450 (1966) @ 1100
ISX12 385R	385 (287)	1350 (1830) @ 1100
ISX12 350R	350 (261)	1450 (1966) @ 1100
ISX12 350R	350 (261)	1350 (1830) @ 1100
ISX12 330R	330 (246)	1250 (1695) @ 1100
ISX12 320R	320 (239)	1150 (1559) @ 1100

Better Warranty Coverage.

Base engine warranty coverage* for Cummins ISX12 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 ISX12 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

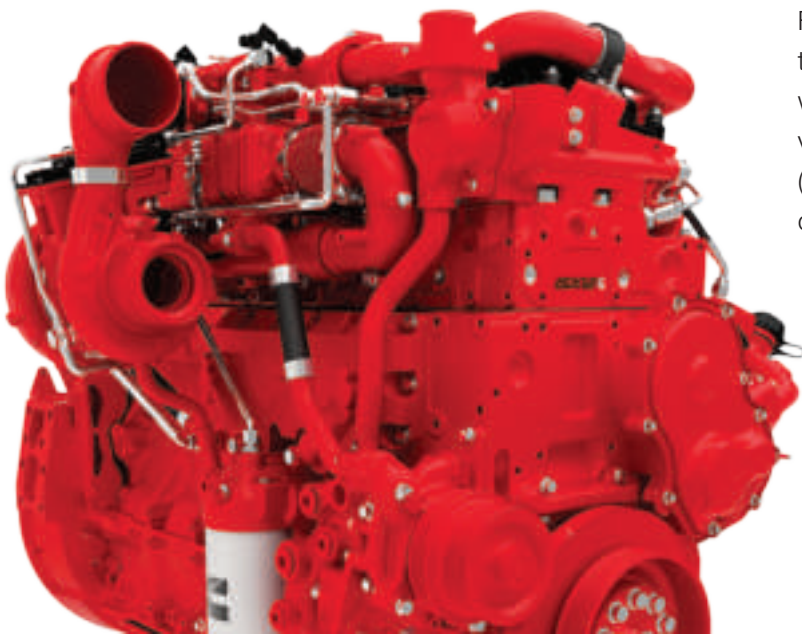


Better Customer Care.

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 better fuel economy to stronger performance to enhanced reliability, the ISX12 delivers better where it counts. To learn more about the ISX12, visit cumminsengines.com, phone 1-800-DIESELS (1-800-343-7357) or contact your local Cummins distributor or dealer.





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