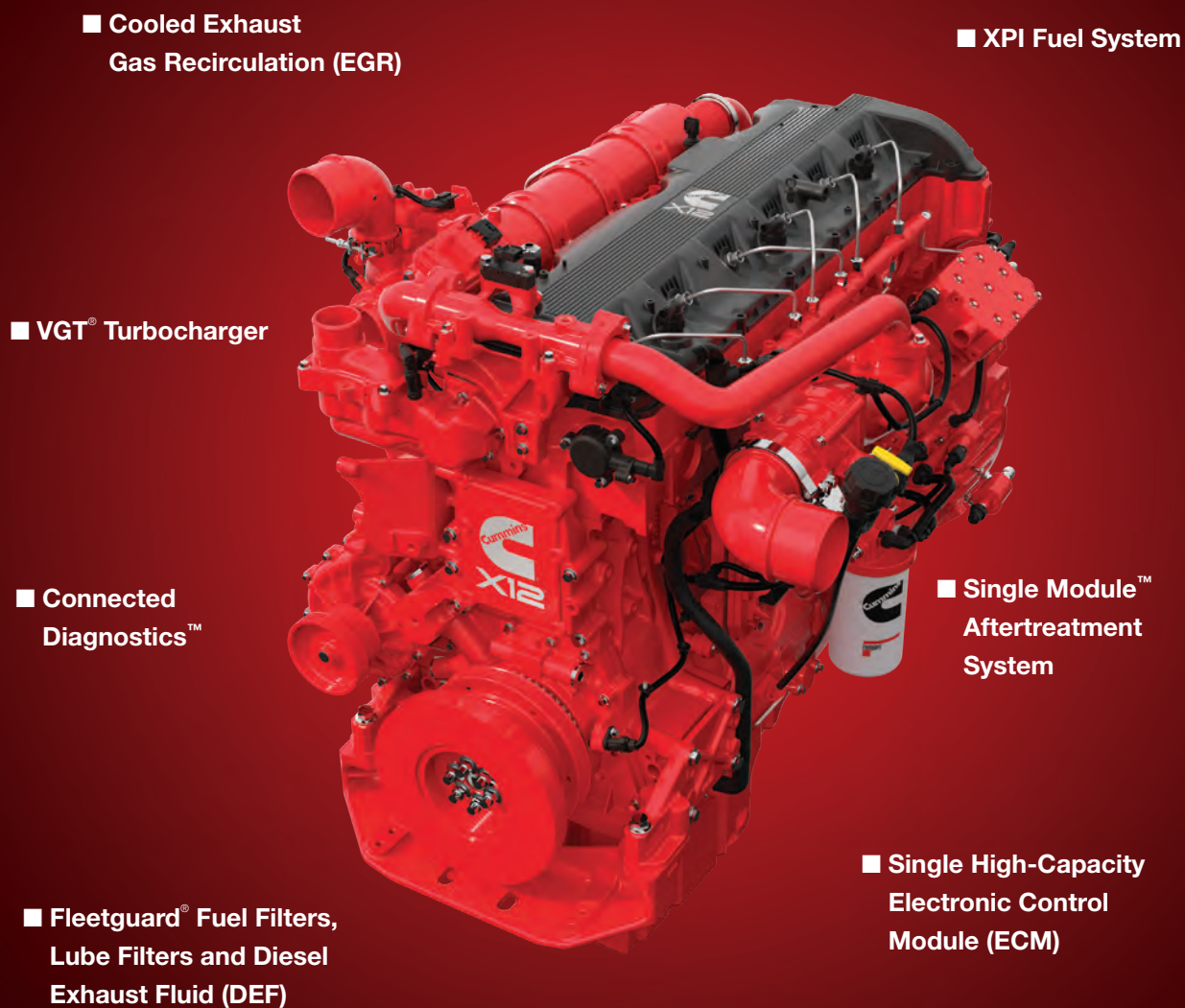




Smart Efficiency.™

Cummins 2018 X12™
For Motorcoach Applications.





X12™

Cummins X12 for 2018 takes SmartEfficiency to a new level with unmatched reliability and cost-effective performance for motorcoach operators. At a dry engine weight of 2,150 lb, the X12 for motorcoach has the highest power-to-weight ratio of any heavy-duty engine. The X12 is lighter than the next-closest competitive engine, and up to 500 lb lighter than other medium-bore engines. Yet the X12 still delivers driver-pleasing performance, with a range from 410 hp to 455 hp and 1450 to 1700 lb-ft of peak torque.

Lower total cost of ownership and increased uptime are benefits delivered by SmartEfficiency on Cummins X12. Gearing recommendations leverage its excellent peak torque at 1000 rpm, fully utilizing the class-leading power-to-weight ratio for additional downspeeding and improved fuel economy. A low-friction design further increases fuel economy, demonstrating improvements from idle to the interstate.

Smarter From The Start.

The X12 for 2018 builds on 40 years of 10- to 12-liter engine experience, with advanced Cummins technology optimized for maximum uptime and productivity. Rigorous testing in the most challenging operating environments around the world has proven the reliability and durability of its fully integrated components. Advantages include:

- Cummins high-pressure XPI fuel system, with multiple injection events per cycle, for smooth, quiet performance
- Our proprietary VGT Turbocharger, for exceptional throttle response
- ADEPT™ advanced electronic engine features, for superior efficiency



- The new Cummins engine brake, which improves stopping power and lengthens service brake life
- Fleetguard oil and fuel filters from Cummins Filtration that protect against corrosion and contaminants, with proprietary NanoNet® media that provide 10 times better protection than conventional fuel filters

A Smarter Solution With Clear Advantages.

The 2018 X12 features a unique Single Module aftertreatment system that sets new standards for efficiency while meeting 2017 greenhouse gas (GHG) and National Highway Traffic Safety Administration (NHTSA) fuel-economy regulations. It combines Selective Catalytic Reduction (SCR) with a Diesel Particulate Filter (DPF) in a single flow-through design that takes up to 60 percent less space and weighs up to 40 percent less than prior units. Because it is smaller, it can be positioned closer to the engine, for better heat management, reduced maintenance and improved fuel economy due to fewer regenerations. Engine operation is coordinated with the aftertreatment system through a single, robust ECM, for exceptional performance.

Qualified For Savings.

All Cummins products for the motorcoach market, including diesel and natural-gas engines, are Buy America-compliant. Cummins X12 is manufactured in Jamestown, New York, on the same production line as the Cummins X15.™

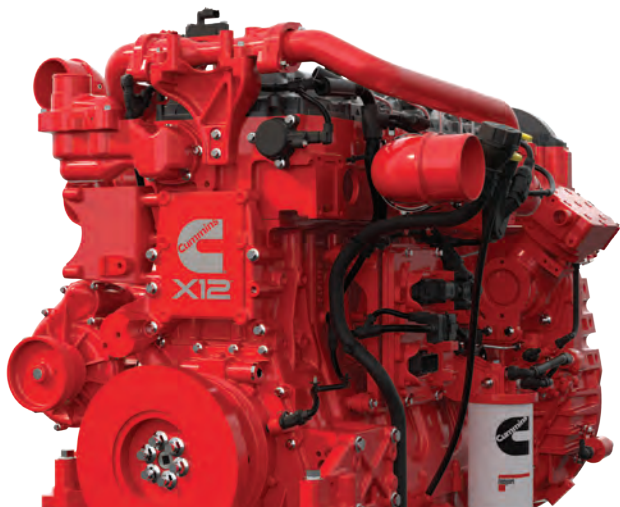
Connected Diagnostics™

Connected Diagnostics uses existing telematics to wirelessly connect Cummins-powered motorcoaches to product experts at Cummins, for instant analysis and recommended action the moment a fault code is generated. Operators can safely proceed knowing the probable cause and whether service can wait or must be performed immediately. Notifications can be sent to the fleet manager and motorcoach operator by email or smartphone using the free Connected Diagnostics mobile app. For details, see cumminsengines.com/connected-diagnostics.

More Uptime. More Tours. More Profits.

Cummins designed the X12 engine with a cylinder architecture that minimizes oil consumption over the entire life of the coach. Optimized for low-viscosity oils, the X12 has integrated oil return paths that pass through the oil filter, leading to extended oil life with longer oil-drain intervals, which means more time on the road. Customers who use Valvoline® Premium Blue® (CK4 10W-30) can see even longer oil-drain intervals.

The compact design of the X12 leads to easier access for servicing events. With common fuel filters, oil filters and Single Module aftertreatment system as the X15, the X12 was designed with uptime in mind.



X12 Specifications

Horsepower	410-455 hp	306-339 kW
Peak Torque	1450-1700 lb-ft	1966-2305 N•m
Clutch Engagement Torque	800 lb-ft	1085 N•m
Number of Cylinders	6	
System Weight	2,341 lb	1,062 kg
Engine (Dry)*	2,150 lb	975 kg
Aftertreatment System	191 lb	87 kg

*Includes options for motorcoach applications such as the wedge oil pan, dual alternator bracket and engine brake.



Industry-Leading Coverage. Unsurpassed Confidence.

The most reassuring part of owning a Cummins-powered motorcoach is knowing that we've always got your back. Cummins engine experts and our extensive training programs ensure service and support excellence that you can depend on. We are committed to the success of your business, dedicated to working with you as a partner on everything from upfront spec'ing to maximizing service intervals. You aren't just buying a Cummins engine; you're buying Cummins expertise and commitment, everywhere and every hour of the day, at over 3,500 authorized Cummins parts and service locations throughout North America.

Smart Decision.

Cummins X12 delivers better performance, increased fuel economy and exceptional reliability and durability, along with unexcelled service capability. That's putting SmartEfficiency to work for you. For additional details about the Cummins X12, visit cumminsengines.com or contact your local Cummins distributor or dealer.



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