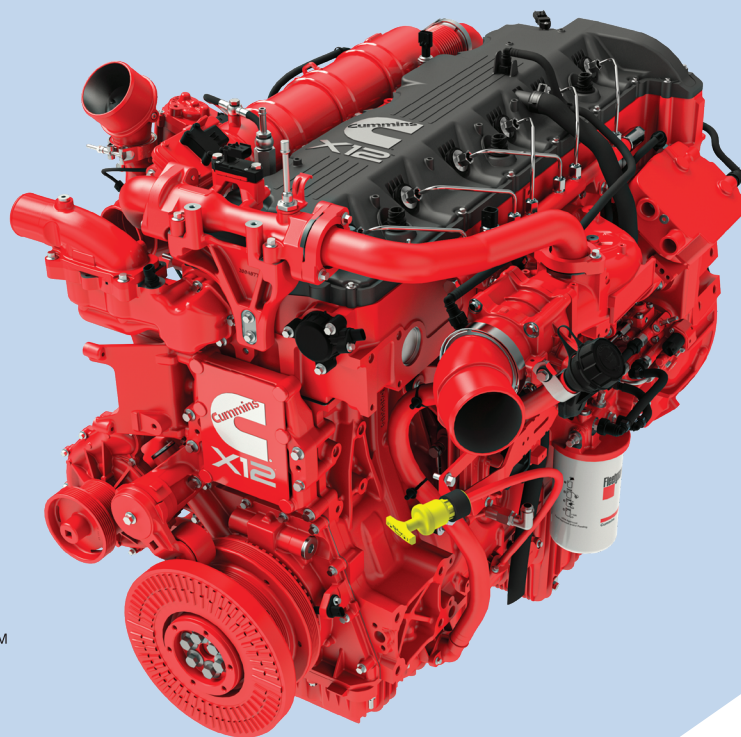


X12™



The champion of productivity and efficiency

Cummins 2024 X12™ redefines the entire medium-bore engine category (10L-13L), setting new standards for productivity and efficiency in regional haul, vocational and intermodal truck applications. The performance is not just unchallenged – it's unbeatable.

Smaller in size – at least 150 lbs lighter than the lightest competitive 11-liter engine and up to 600 lbs lighter than competitive medium-bore engines – the X12 still delivers powerful performance from 350 to 500hp and 1,250 to 1,700 lb-ft of peak torque. At just 2,050 lbs, it has the highest power-to-weight ratio of any heavy-duty engine from 10-liters to 16-liters in size.

The combination of power and efficiency is striking. With the response and power of larger displacement engines, the X12 delivers the performance drivers desire while maximizing efficiency for every job.

X12 SPECIFICATIONS

Horsepower @ 1800 - 2000 RPM	350 - 500 hp (261 - 373 kW)
Peak Torque	1250 - 1700 lb-ft (1695 - 2305 N • m)
Clutch Engagement Torque	800 lb-ft (1085 N • m)
Number of Cylinders	6
System Weight	2241 lb (1017 kg)
Engine Weight (Dry)	2050 lb (930 kg)
Aftertreatment System*	191 lb (87 kg)

*Depending on configuration.



AN UNPARALLELED ABILITY TO LOOK AHEAD

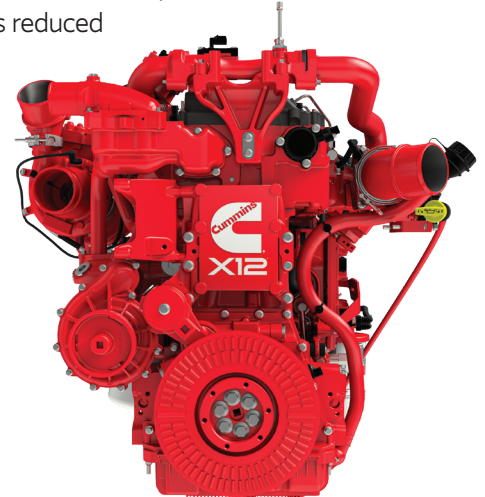
Cummins customers can expect a digitally enriched experience over the life of their vehicles. Newly released features connect in-mission operations directly to maintenance and repair processes, giving customers an unparalleled ability to look ahead, optimize operations and minimize downtime.

PROVEN PERFORMANCE

In regional haul trucks, the 2024 X12 can be paired with the Endurant HD™ automated manual transmission from Eaton Cummins Automated Transmission Technologies. With this pairing comes the option for EX ratings, which offer features* like On-Ramp Boost, Predictive Gear Shifting, Predictive Engine Braking and Dynamic Power. Keeping efficiency in mind, the 1,800 RPM governed speeds along with an optimized shift calibration with the Endurant HD

means the X12 offers excellent fuel economy without sacrificing driving characteristics.

The X12 keeps the same industry leading power-to-weight ratio as the lightest heavy-duty engine on the market. It also retains the industry leading 1,500 -hour or 18-month oil and filter change intervals. Additionally, the optional air compressor resonator provides reduced noise inside and outside the cab.



ENGINE MAINTENANCE INTERVALS

Maintenance item	Vocational	Severe <5.0 MPG	Short-haul <5.0 - 5.9 MPG	Normal 6.0 - 6.9 MPG	Light >7.0 MPG
Oil Drain Interval Level	1500 hrs. / 18 months	40,000 mi 64,000 km	50,000 mi 80,000 km	60,000 mi 97,000 km	75,000 mi 120,000 km
X15 Oil Drain with Valvoline Premium Blue*	1500 hrs. / 18 months	45,000 mi 48,000 km	55,000 mi 89,000 km	65,000 mi 105,000 km	80,000 mi 130,000 km
X15 Oil Drain with Cummins Oil Guard™	Extensions available	Extensions available	Extensions available	Extensions available	Up to 100,000 mi
Fuel Filter*	1500 hrs.	30,000 mi 48,000 km	40,000 mi 64,000 km	50,000 mi 80,000 km	60,000 mi 97,000 km
Fuel Filter Extensions*	-	40,000 mi 64,000 km	50,000 mi 80,000 km	60,000 mi 97,000 km	75,000 mi 120,000 km
DPF Ash Maintenance**	12,000 - 16,000 hrs.	300,000 - 400,000 mi 480,000 - 640,000 km	300,000 - 400,000 mi 480,000 - 640,000 km	400,000 - 600,000 mi 640,000 - 960,000 km	600,000 - 800,000 mi 960,000 - 1,300,000 km

DEF and Valvetrain intervals are set at 300,000 mi.

If combined, percent idle time plus power takeoff (PTO) time is greater than 40% for Short-haul, Normal or Light intervals; use the next lower drain interval.

*For Premium Blue users, the Fuel Filter interval matches the ODI.

**Cummins recommends using Cummins genuine DPFs over cleaning of the DPF at the DPF ash maintenance interval. Users can experience extended DPF ash maintenance using the DPF maintenance fault lamp (FC5383).



EXPERIENCE THE COMBINATION OF POWER AND EFFICIENCY.

For more information, please visit cummins.com.



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Bulletin 6491594 Produced in U.S.A. Rev. 10/24
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