

**ALWAYS ON.**

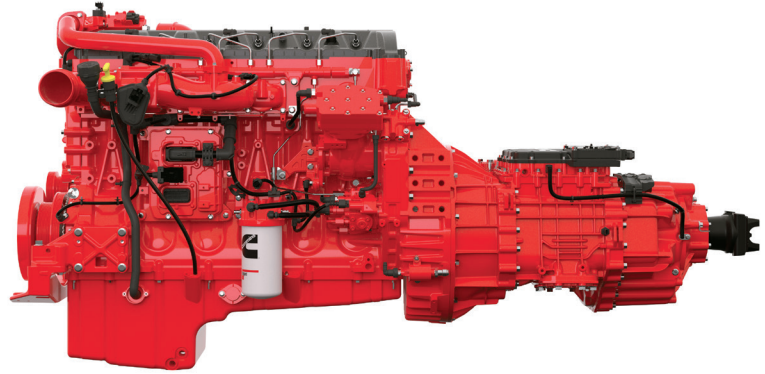


# X12™

## WITH ENDURANT HD™

The Cummins X12 engine with the Endurant HD transmission delivers maximum payload without compromising performance. At just 2,707 lbs, it's one of the lightest powertrains in its class.

This powertrain is available to customers in the Freightliner Cascadia®. Driver-friendly features such as smooth shifting and quiet engine performance contribute to a comfortable in-cab environment drivers are sure to love. And exceptional fuel efficiency, extended maintenance intervals and unsurpassed reliability lower your customers' Total Cost of Ownership.



## LESS WEIGHT. MORE FREIGHT.



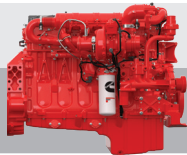
### X12+ENDURANT POWERTRAIN

2707 lbs it's one of the lightest in its class



### X12 ENGINE

150 lbs less than nearest competitor



### SINGLE-MODULE AFTERTREATMENT

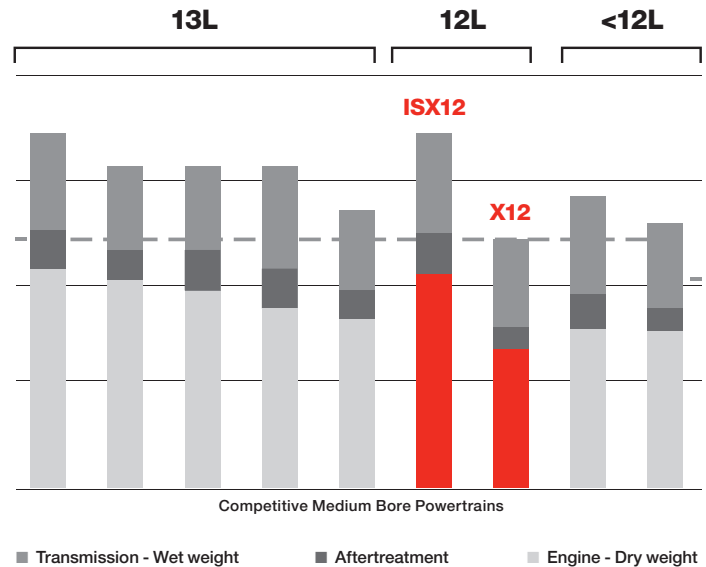
40% lighter than previous switchback system



### FREIGHTLINER APPLICATIONS WITH THE X12



## WORTH THE WEIGHT.



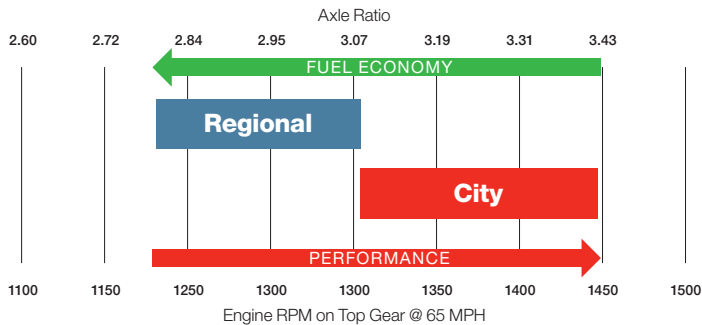
# FACTORY FEATURES THAT SET THE INDUSTRY STANDARD.

Cummins X12 comes with the leading powertrain feature suite, including SmartCoast and SmartTorque2.

- SmartCoast takes advantage of vehicle momentum on moderate downhills, letting the engine coast at idle for a 3% fuel economy gain
- SmartTorque2 uses torque demand and GVW to unleash the exact amount of extra torque needed to eliminate unnecessary downshifts while maintaining road speed, using less fuel and reducing driver fatigue

## GEARING AND AXLE RECOMMENDATIONS.

The below recommendations are based on X12 with Endurant HD 12-speed overdrive powertrain in a Freightliner Cascadia day cab (116" BBC) and sleeper cabs (48" and 60")



	City		Regional	
	Axles	Gearing (RPM at 65 MPH)	Axles	Gearing (RPM at 65 MPH)
FUEL ECONOMY	3.08	1304	2.79	1181
BALANCE	3.23	1367	2.85	1206
PERFORMANCE	3.42	1447	3.08	1304

## OPTIMIZED FOR UPTIME.

- Reduced complexity with the Single Module™ Aftertreatment
- Longest DPF maintenance interval in its class
- 75,000 mile oil drain interval for light duty cycles with up to 100,000 mile oil drain interval using OilGuard™ program
- Transmission oil maintenance at 750,000-mile intervals, cooler-less design uses 50% less oil than competitors
- Self-adjusting maintenance-free clutch

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## CASCADIA

Sales Code	Cab Type
682-998	Standard 116" BBC day cab
682-073	48" sleeper cab
682-074	60" sleeper cab

## EFFICIENCY RATINGS

Sales Code	Rating	RPM	Torque
101-25A	X12 350	1000	1350 LB/FT @ 1000 RPM
101-25C	X12 370	1000	1350 LB/FT @ 1000 RPM
101-25B	X12 380	1000	1450 LB/FT @ 1000 RPM
101-25D	X12 400ST	1000	1550-1700 LB/FT @ 1000 RPM
101-25F	X12 410	1000	1450 LB/FT @ 1000 RPM
101-25G	X12 410	1000	1650 LB/FT @ 1000 RPM
101-25H	X12 410ST	1000	1450-1650 LB/FT @ 1000 RPM
101-25K	X12 430	1000	1550 LB/FT @ 1000 RPM
101-25M	X12 430	1000	1650 LB/FT @ 1000 RPM
101-25N	X12 455	1000	1700 LB/FT @ 1000 RPM
101-25P	X12 455ST	1000	1550-1700 LB/FT @ 1000 RPM

## ENDURANT TRANSMISSION

Sales Code	Series Name	
342-619	EEO-14F112C	Endurant Automated Manual Transmission
342-620	EEO-15F112C	Endurant Automated Manual Transmission
342-621	EEO-16F112C	Endurant Automated Manual Transmission
342-622	EEO-17F112C	Endurant Automated Manual Transmission
342-623	EEO-18F112C	Endurant Automated Manual Transmission

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