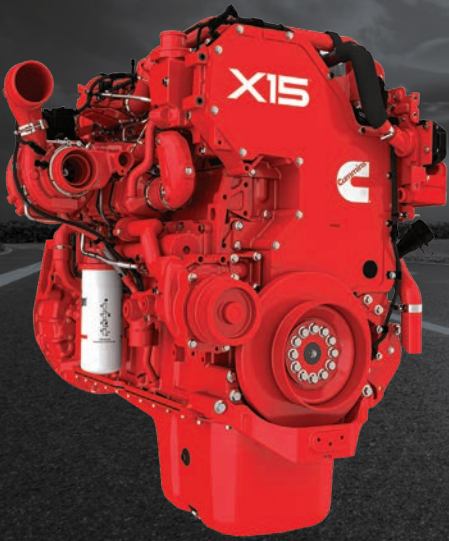


**“WE SHOULD DO  
EVERYTHING IN  
OUR POWER...”**

**- CLESSIE CUMMINS**

## **CUMMINS 2021 X15™ ENGINE PORTFOLIO**



**EFFICIENCY SERIES**



**PRODUCTIVITY SERIES**



**PERFORMANCE SERIES**



# YOU GET IT ALL.

Improvements made to the X15 lineup have been focused around customers' needs. It's more than just providing the most efficient engine that meets 2021 greenhouse gas standards. It's also about providing an engine that works for you. With a focus on uptime, total cost of ownership and ease of operations, the X15 lineup for 2021 is the best Cummins 15-liter yet. Starting with the most reliable 15-liter ever produced, to offering EX ratings for enhanced driver performance, the X15 gives you the confidence needed to improve your business without sacrificing anything.

## SPEND LESS. GO FURTHER.

Cummins X15 engines have some of the longest maintenance intervals in the transportation industry. Our Single Module™ aftertreatment system uses smart logic to inform the operator when the DPF finally needs to be maintained, well in advance of any unexpected downtime.

ITEM	SEVERE <5.0 MPG	SHORTHAUL 5.0 - 5.9 MPG	NORMAL 6.0 - 6.9 MPG	LIGHT >7.0 MPG
<b>OIL DRAIN INTERVAL LEVEL</b>	25,000 Mi 40,000 Km	50,000 Mi 80,000 Km	60,000 Mi 96,000 Km	75,000 Mi 120,000 Km
<b>X15 OIL DRAIN WITH VALVOLINE PB*</b>	30,000 Mi 48,000 Km	55,000 Mi 88,000 Km	65,000 Mi 105,000 Km	80,000 Mi 130,000 Km
<b>X15 OIL DRAIN WITH CUMMINS OILGUARD™ 1</b>	extensions available	extensions available	extensions available	Up to 100,000 Mi 160,000 Km
<b>FUEL FILTER<sup>2</sup></b>	25,000 Mi 40,000 Km	50,000 Mi 80,000 Km	60,000 Mi 96,000 Km	75,000 Mi** 112,000 Km
	SEVERE <5.5 MPG	NORMAL 5.5 - 6.5 MPG	LIGHT >6.5 MPG	
<b>DIESEL PARTICULATE FILTER<sup>3</sup></b>	200,000-400,000 Mi 320,000-640,000 Km	400,000-600,000 Mi 640,000-960,000 Km	600,000-800,000 Mi 960,000-1,300,000 Km	
<b>DIESEL EXHAUST FLUID FILTER</b>	250,000 Mi 400,000 Km	300,000 Mi 480,000 Km	300,000 Mi 480,000 Km	
<b>VALVE ADJUSTMENT</b>	500,000 Mi 800,000 Km	500,000 Mi 800,000 Km	500,000 Mi 800,000 Km	

\* Cummins recommends Valvoline Premium Blue (PB 8600ES)

\*\* Extending fuel filter interval from 60,000 miles to 75,000 recommends use of extended filter available through Cummins service network.

1 - Up to 100,000-mile oil drain interval with participation in Cummins OilGuard oil analysis program.

2 - For Premium Blue users, the fuel filter interval matches the ODI.

3 - Maintenance lamp will illuminate when DPF maintenance is needed. Cummins recommends replacing the DPF with a Genuine Cummins DPF at the time of ash maintenance interval.

# CUMMINS X15 EFFICIENCY SERIES

## THE POWER TO SAVE.

If you want the power to save on your bottom line, then meet the Cummins X15 Efficiency Series – with up to a 3.5% fuel economy improvement over the 2017 model with base engine and powertrain optimization, and up to an additional 1.5% fuel economy improvement when selecting an EX rating package. EX ratings combine the X15 Efficiency Series that you've come to trust with the Endurant HD transmission and GPS data to deliver a fully optimized powertrain package. On top of the power to save, the Efficiency Series delivers excellent drivability and uptime that you can take straight to the bank.



## THE POWER OF EX FEATURES.\*

**On-Ramp Boost:** This Cummins-exclusive feature momentarily disables fuel-saving features and augments the shift calibration to deliver greater acceleration when you need it most.

**Predictive Gear Shifting:** Leverages GPS data to downshift before the hill to maintain uphill speed.

**Predictive Engine Braking:** Looks at the grade ahead and can engage engine brakes early to aid in maintaining the desired maximum speed.

**Dynamic Power:** Adjusts torque in order to make lighter vehicles operate similarly to heavier vehicles on grades. This provides fuel savings on lightly loaded vehicles by delivering consistent performance across varying loads.

\*EX features require Endurant HD and GPS data. Availability of specific features varies by OEM.

## X15 EFFICIENCY SERIES SPECIFICATIONS

ADVERTISED HORSEPOWER	400 - 500 hp	298 - 373 kW
PEAK TORQUE	1450 - 1850 lb-ft	1966 - 2508 N • m
GOVERNED SPEED	1700 RPM	
CLUTCH ENGAGEMENT TORQUE	1000 lb-ft	1356 N • m
NUMBER OF CYLINDERS	6	
SYSTEM WEIGHT	3152 lb	1430 Kg
ENGINE (DRY)	2961 lb	1343 Kg
AFTERTREATMENT SYSTEM	191 lb	87 Kg



# THE POWER TO DELIVER.

## WORK GLOVES. HARD HAT. STEEL-TOED BOOTS.

X15 Productivity Series ratings are designed, built and optimized for vocational, specialty, multi-purpose and heavy-haul applications. Whether you're transporting raw materials in a quad-axle dump, moving 130,000 GVW down the interstate or need reliability in emergency applications, Cummins delivers the power you need – with torque to match.

Components have been carefully selected to match output characteristics and load demands. Ratings from 430-500 horsepower share proven hardware from the X15 Efficiency Series, while ratings from 565-605 hp utilize higher-capacity hardware from the X15 Performance Series.

Front-end PTO capability is another feature of the Productivity Series that makes these ratings the ideal choice for applications that require unique power demands.

With available ratings of up to 605 hp and 2050 lb-ft of peak torque, the X15 Productivity Series has the highest power output of any on-highway engine in North America, with a longer power curve than any engine in its class – making it the best choice for heavy-haul applications where having massive pulling power is the most mission-critical factor.



## X15 PRODUCTIVITY SERIES SPECIFICATIONS

ADVERTISED HORSEPOWER	430 - 605 hp	321 - 451 kW
PEAK TORQUE	1650 - 2050 lb-ft	2237 - 2779 N • m
GOVERNED SPEED	2000 - 2100 RPM	
CLUTCH ENGAGEMENT TORQUE	1000 lb-ft	1356 N • m
NUMBER OF CYLINDERS	6	
SYSTEM WEIGHT	3152 lb	1430 Kg
ENGINE (DRY)	2961 lb	1343 Kg
AFTERTREATMENT SYSTEM	191 lb	87 Kg



# THE POWER TO PERFORM.

What does it mean to have the power to perform? It means that your drivers brag about how powerful the engine under their hood is. We listened to customers who said they needed to pull heavy loads over mountainous terrain and we built the X15 Performance Series to deliver on that while not sacrificing uptime.

With ratings ranging from 525-565 hp with 1850-2050 lb-ft of torque available at 1000 rpm, the Performance Series ratings are optimized for premium and heavy long-haul customers.

The X15 Performance Series delivers more than just power and drivability. Rugged durability is ensured by the use of proven hardware while continuous improvements have resulted in reliability that provides peace of mind for trucking operations. Demand nothing less than the power to perform.



## X15 PERFORMANCE SERIES SPECIFICATIONS

ADVERTISED HORSEPOWER	525-565 hp	391-451 kW
PEAK TORQUE	1850-2050 lb-ft	2508-2279 N • m
GOVERNED SPEED	1900 RPM	
CLUTCH ENGAGEMENT TORQUE	1000 lb-ft	1356 N • m
NUMBER OF CYLINDERS	6	
SYSTEM WEIGHT	3152 lb	1430 kg
ENGINE (DRY)	2961 lb	1343 kg
AFTERTREATMENT SYSTEM	191 lb	87 kg



## PROVEN COMPONENTS. PROVEN TECHNOLOGY.

- **VGT Turbocharger** – Highly reliable and precise design for rapid acceleration
- **XPI Fuel System** – High pressure enables multiple injection events per cycle for industry-leading fuel economy and quieter operation
- **Single Module™ Aftertreatment System** – A compact and lightweight system that offers increased ash capacity for industry-leading Diesel Particulate Filter maintenance intervals of up to 800,000 miles and improved serviceability compared to modular systems
- **Fleetguard Fuel And Lube Filters** – Superior holding capacity provides better protection and enables longer service intervals
- **High-Capacity Electronic Control Module** – This allows full integration of data inputs from all subsystems, optimizing performance
- **Cummins Engine Brake** – With up to 600 braking horsepower, it's the most powerful in the industry. Stronger braking capacity reduces wear on service brakes and replacement costs

## CUMMINS WARRANTY – CONFIDENCE IN WRITING.

The base engine warranty coverage\* on Cummins X15 engines includes parts and labor on warrantable failures for both the engine and aftertreatment system – with no deductible. Cummins base warranty coverage is good for 2 years/250,000 miles (402,336 km).

Cummins wide variety of extended coverage plans allows you to make financial projections with complete confidence, with protection plans for up to 7 years or up to 600,000 miles (804,672 km) on registered parts and labor. Cummins extended coverage plans are available covering internal components and major engine systems, including the turbocharger, water pump and fuel injectors, air compressor, fuel pump and select engine sensors. New Protection Plan Plus and aftertreatment extended coverage plans allow customers to add coverage for additional components beyond what is covered by standard extended coverage plans.

\*Covers defects in Cummins materials or factory workmanship.

## KEEPING YOU ON THE ROAD. NOT IN THE BAY.

Cummins Care makes your workload easier by creating a seamless support experience. You can expect to get complete solutions while working with one of over 3,700 authorized parts and service locations. Visit [care.cummins.com](http://care.cummins.com) or call 1-800-CUMMINS™ (1-800-286-6467) to connect with a Cummins Care expert. The Cummins Guidanz™ mobile app and INLINE™ mini-adapter allow for key engine information to be downloaded on a smartphone or tablet. You don't even have to wait in line for a diagnostic bay to open – your vehicle's info can be downloaded while you stand right outside the cab. Cummins suite of Connected Solutions uses wireless technology to manage your engine's health. This includes Connected Diagnostics, our Connected Advisor program and Connected Software Updates that let you update engine control module calibrations over the air, from the road or wherever your trucks are domiciled.



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