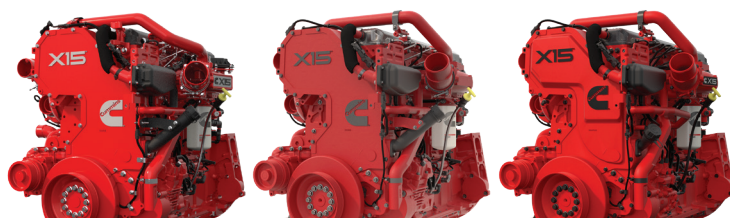


X15™

PORTFOLIO

Cummins is introducing an expanded X15 portfolio for 2020. With three X15 series to choose from, our customers have the power to choose without compromising the efficiency, performance and dependability they rely on.



EFFICIENCY SERIES

400-500 HP
1450-1850 LB/FT
1700 RPM

PRODUCTIVITY SERIES

430-605 HP
1650-2050 LB/FT
2000 - 2100 RPM

PERFORMANCE SERIES

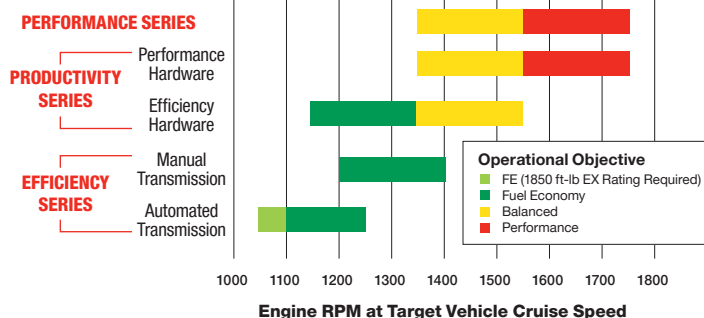
485-565 HP
1650 - 2050 LB/FT
2000 RPM

TECHNOLOGY DRIVING DOWN TCO*

- 75,000 mile ODI, with up to 100,000 mile ODI by using OilGuard™ program
- Longest DPF maintenance interval in its class at 600,000-800,000 miles
- Can be paired with Endurant®, which features a 750,000 mile lube interval
- Reduced weight and complexity with the Single Module™ aftertreatment
- Strongest engine brake in the industry lengthens life of service brakes

* All intervals and improvement data is up to the respective number and depend on duty cycles

GEARING RECOMMENDATIONS ACROSS THE PORTFOLIO.



TRANSMISSION COMPATIBILITY

Automated and AMT Compatibility*

| X15 SERIES | RATINGS | GOV SPEED | ENDURANT EATON CUMMINS | FULLER ADVANTAGE EATON CUMMINS | | ULTRA SHIFT PLUS EATON CUMMINS | | | | |
|--------------|------------|-----------|------------------------|--------------------------------|-------------|--------------------------------|-----------|-----------|-----------|-----------|
| | | | Endurant OD | FAS B Ratio | FAS C Ratio | MHP | MXP | VXP | VCS | VMS |
| | | | 12 spd | 10 spd | 10 spd | 13 spd | 18 spd | 18 spd | 10 spd | 11 spd |
| | | | 1450-1850 | 1450-1550 | 1450-1650 | 1650-2050 | 1650-2250 | 1850-2250 | 1050-1750 | 1050-1750 |
| | | | 110k | 110k | 110k | 140k | Unlimited | Unlimited | 110k | 110k |
| Efficiency | Straight | 1700 | • | • | • | - | - | - | - | - |
| | ST | 1700 | • | • | • | - | - | - | - | - |
| | EX | 1700 | • | - | - | - | - | - | - | - |
| Performance | Straight | 2000 | • | - | • | • | • | • | • | • |
| Productivity | 430-500 HP | 2000 | • | - | • | • | • | • | • | • |
| | 565-605 HP | 2000 | - | - | • | • | • | • | • | • |
| | Emergency | 2100 | - | - | - | - | - | • | • | - |

Manual and Automatic Transmission Compatibility*

| X15 SERIES | RATINGS | GOV SPEED | EATON MANUAL | | | | | | ALLISON | | | | | |
|--------------|------------|-----------|--------------|----------|-----------|-----------|----------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | | FAS M | FR-10 | RT-13 | RT-18 | RT-8ALL | RT-9ALL | ALLISON 4000 | ALLISON 4500 | ALLISON 4700 | ALLISON 4750 | ALLISON 4800 | ALLISON 4850 |
| | | | 10 spd | 10 spd | 13 spd | 18 spd | 10 spd | 11 spd | 6 spd | 6 spd | 6 spd | 6 spd | 6 spd | 6 spd |
| | | | 1450-1650 | 950-1850 | 1050-2050 | 1650-2250 | 860-1650 | 1450-1650 | 6 spd | 6 spd | 6 spd | 6 spd | 6 spd | 6 spd |
| | | | 110k | 110k | Unlimited | Unlimited | 110k | 110k | - | - | - | - | - | - |
| Efficiency | Straight | 1700 | • | • | • | • | - | - | - | - | - | - | - | - |
| | ST | 1700 | • | • | • | • | - | - | - | - | - | - | - | - |
| | EX | 1700 | - | - | - | - | - | - | - | - | - | - | - | - |
| Performance | Straight | 2000 | • | • | • | • | • | • | • | • | • | - | • | - |
| Productivity | 430-500 HP | 2000 | • | • | • | • | • | • | • | • | - | - | - | - |
| | 565-605 HP | 2000 | - | • | • | • | • | • | • | • | • | - | - | - |
| | Emergency | 2100 | - | - | - | - | - | - | • | • | • | - | - | • |

* Does not include compatibility for RV.

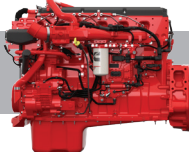


THE NEW 2020 X15 EFFICIENCY SERIES: OPTIMIZED FOR EFFICIENCY.

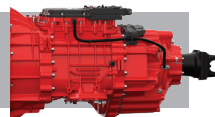


2020 X15 FUEL ECONOMY IMPROVEMENTS*

3.5%* 2020 X15
Base Engine



ADDITIONAL 1.5%*
with new EX ratings



ADDITIONAL 3.5%
Additional future feature releases**



*All fuel economy improvements are up to the listed percentage over the 2017 model engine depending on spec, duty-cycle and optimization of powertrain.

**Additional features to be released that will not require changes to hardware.

INTEGRATED POWER: EXPECTING THE ROAD AHEAD.

Cummins has the powertrain technology to deliver improved fuel economy, drivability, and performance to help optimize your operations. The new EX ratings offered in the Efficiency Series (paired with the Endurant transmission and look-ahead map data) feature an expanded powertrain package with industry-exclusive electronic features:

- **On-Ramp Boost** uses look-ahead map data to momentarily unleash the engine's full potential based on driveline configuration, allowing safer merging speeds when needed. Acceleration gains comparable to one less football field (100 yards) required to get up to speed.
- **Predictive Engine Braking** scans the route ahead, identifying potential overspeed conditions, and automatically activates engine braking and downshift procedures.
- **Predictive Gear Shifting** looks at the grade and length of a hill climb ahead and determines the best gear selection for performance and fuel economy.

EX RATINGS

Requires look-ahead map data input to enable exclusive electronic features. Individual predictive features can be customized.

| Sales Code | Rating | RPM | Torque |
|------------|------------|------|----------------------|
| 2059797 | X15 400 EX | 1700 | 1650 LB/FT @ 950 RPM |
| 2059798 | X15 400 EX | 1700 | 1750 LB/FT @ 950 RPM |
| 2059799 | X15 400 EX | 1700 | 1850 LB/FT @ 950 RPM |
| 2059610 | X15 450 EX | 1700 | 1750 LB/FT @ 950 RPM |
| 2059611 | X15 450 EX | 1700 | 1850 LB/FT @ 950 RPM |
| 2059615 | X15 500 EX | 1700 | 1850 LB/FT @ 950 RPM |

X15 EFFICIENCY SERIES: THE BEST GETS EVEN BETTER.

Rookies drive like pros with the fuel saving and performance-enhancing technologies offered in the X15 Efficiency Series.

| Sales Code | Rating | RPM | Torque |
|------------|------------|------|---------------------------|
| 2059794 | X15 400 ST | 1700 | 1450-1650 LB/FT @ 950 RPM |
| 2059795 | X15 400 ST | 1700 | 1550-1750 LB/FT @ 950 RPM |
| 2059796 | X15 400 ST | 1700 | 1650-1850 LB/FT @ 950 RPM |
| 2059604 | X15 450 | 1700 | 1650 LB/FT @ 950 RPM |
| 2059605 | X15 450 | 1700 | 1750 LB/FT @ 950 RPM |
| 2059606 | X15 450 | 1700 | 1850 LB/FT @ 950 RPM |
| 2059607 | X15 450 ST | 1700 | 1450/1650 LB/FT @ 950 RPM |
| 2059608 | X15 450 ST | 1700 | 1550/1750 LB/FT @ 950 RPM |
| 2059609 | X15 450 ST | 1700 | 1650/1850 LB/FT @ 950 RPM |
| 2059612 | X15 500 | 1700 | 1650 LB/FT @ 950 RPM |
| 2059613 | X15 500 | 1700 | 1850 LB/FT @ 950 RPM |
| 2059614 | X15 500 ST | 1700 | 1650/1850 LB/FT @ 950 RPM |

X15 PRODUCTIVITY SERIES: DESIGNED TO HANDLE THE HEAVY LIFTING.

For vocational, emergency, recreational, regional haul and many other multipurpose applications with a high GVW, the new X15 Productivity Series ratings have the torque, responsiveness, and rugged durability needed to deliver, no matter the job.

| Sales Code | Rating | RPM | Torque |
|------------------|------------|------|-----------------------|
| 2059800 | X15 430 V | 2000 | 1650 LB/FT @ 950 RPM |
| 2059616 | X15 450 V | 2000 | 1650 LB/FT @ 950 RPM |
| 2059627 | X15 450 V | 2000 | 1750 LB/FT @ 950 RPM |
| 2059617 | X15 470 V | 2000 | 1750 LB/FT @ 950 RPM |
| 2059618 | X15 500 V | 2000 | 1650 LB/FT @ 950 RPM |
| 2059619 | X15 500 V | 2000 | 1850 LB/FT @ 950 RPM |
| 2059621 | X15 565 V | 2000 | 1850 LB/FT @ 950 RPM |
| 2059622 | X15 605 V | 2000 | 1850 LB/FT @ 1150 RPM |
| 2059623 | X15 605 V | 2000 | 2050 LB/FT @ 1150 RPM |
| Emergency | | | |
| 2059624 | X15 505 EV | 2100 | 1850 LB/FT @ 1150 RPM |
| 2059625 | X15 565 EV | 2100 | 1850 LB/FT @ 1150 RPM |
| 2059626 | X15 605 EV | 2100 | 1850 LB/FT @ 1150 RPM |

X15 PERFORMANCE SERIES: BRAVN AND BRAINS.

The 2020 X15 Performance Series boasts the most powerful engine and engine brake in the industry, and sees no hardware changes in 2020.

| Sales Code | Rating | RPM | Torque |
|------------|---------|------|-----------------------|
| 2059985 | X15 485 | 2000 | 1650 LB/FT @ 1150 RPM |
| 2059986 | X15 485 | 2000 | 1850 LB/FT @ 1150 RPM |
| 2059987 | X15 505 | 2000 | 1650 LB/FT @ 1150 RPM |
| 2059988 | X15 505 | 2000 | 1850 LB/FT @ 1150 RPM |
| 2059976 | X15 525 | 2000 | 1850 LB/FT @ 1150 RPM |
| 2059977 | X15 565 | 2000 | 1850 LB/FT @ 1150 RPM |
| 2059978 | X15 565 | 2000 | 2050 LB/FT @ 1150 RPM |

Cummins is not responsible for the accuracy of this information if printed. For the most updated content, please refer to the digital copy on peterbilt.cummins.com



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