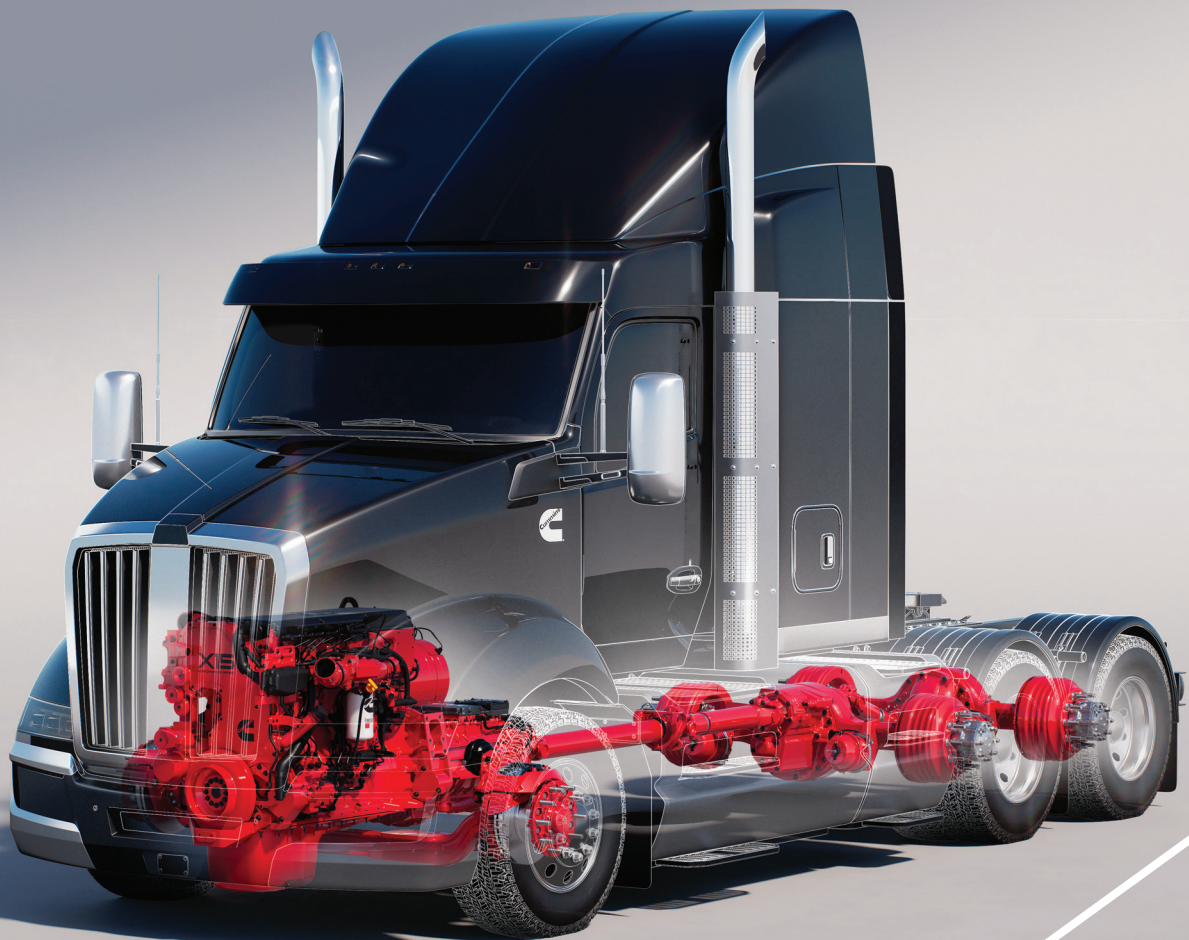


Integrated powertrain



PRODUCT CATALOGUE





Powering possibilities

At Cummins, we are committed to empowering our customers with first-rate options to meet their needs. That's why we've expanded our portfolio and partnerships over time.

Cummins has been producing engines for more than 100 years, and we now offer complete powertrain solutions - from engine to transmission to axles - with every component working in harmony.

Why integrate?

With Cummins integrated power, the pieces fall into place.

Higher efficiency

By optimising factors like gear and axle ratios, Cummins integrated power maximises fuel economy. Further, the integrated design reduces parts proliferation and simplifies OEM integration, improving the total cost of ownership.

Lower emissions

As a leader in emissions technology, Cummins provides integrated power solutions that support compliance with Euro VI emission standards and align with Australia's emission regulations, benefitting both our customers and the planet.

Performance

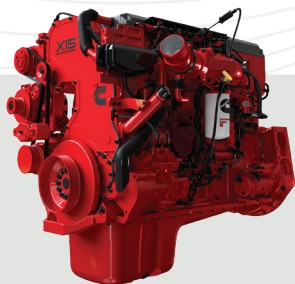
Cummins engines offer superior horsepower ratings and productivity for their size. Eaton-Cummins transmissions and Meritor drivelines, axles and brakes ensure that power is delivered seamlessly where it's needed.

Support

With Cummins integrated power, customers can be confident that Cummins supports the entire powertrain. Assistance is never far away, with unrivaled nationwide parts and service availability.

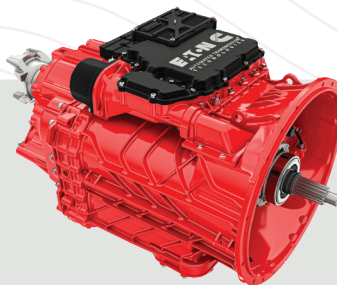
Products

Our complete line of on-highway components features forward-thinking innovations designed to give you a competitive edge. No other commercial vehicle component manufacturer delivers such a complete range of solutions to fit your specifications.



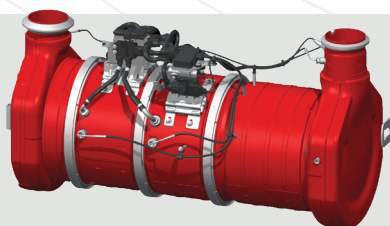
X15 Euro VI Engine

The X15 lineup is more than just providing the most efficient engine that meets Euro VI standards. It's also about providing an engine that works for you. With a focus on uptime, fuel economy, performance and minimising maintenance cost.



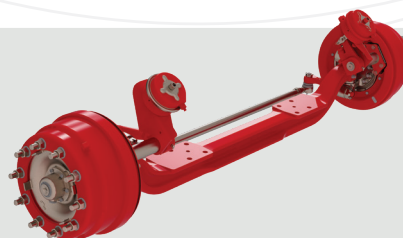
Endurant XD Pro™ Transmission

Eaton-Cummins 18 speed Endurant XD Pro™ is designed to deliver comfort, drivability and efficiency in on-highway applications. It is rated for engines with a maximum torque rating of 1650-1850 lb-ft.



Aftertreatment

The Single Module™ is an ultra-high efficiency aftertreatment system. This system was developed specifically to meet customer needs first, while also meeting emissions standards.



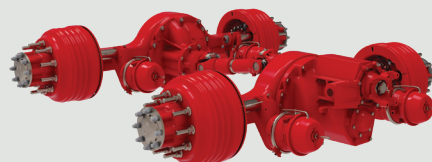
MFS™ Series Front Non-Drive Axle

MFS™ Series axle continues a long-running tradition of great packaging flexibility, optimized performance and reliability.



Driveline

Permalube™ RPL Series driveline was first in the North American heavy-duty commercial vehicle industry to be permanently lubricated and sealed for life to reduce maintenance and save money for cost conscience fleets.

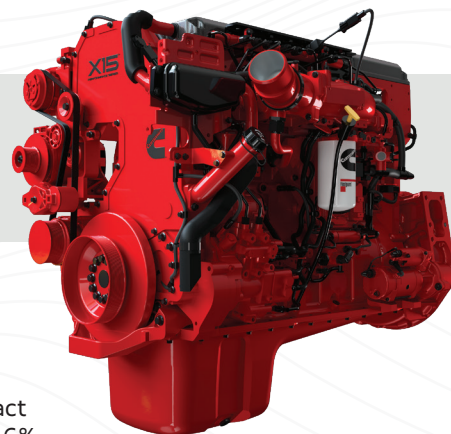


MT-160™ Series Axle

For many applications, nothing less than a tandem axle will survive. Our tandem axles not only survive, but also thrive on the toughest, meanest, most demanding jobs.

X15 EURO VI ENGINES

Performance Series



FEATURES

EGR-free design: Meeting Euro VI emission standards.

ADEPT: A suite of advanced electronic engine-control features that interact with automated manual transmissions to enhance fuel efficiency by up to 6%.

Single Module™ aftertreatment system: A compact and lightweight system that offers increased ash capacity for industry-leading Diesel Particulate Filter maintenance intervals 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, optimising performance.

SPECIFICATIONS

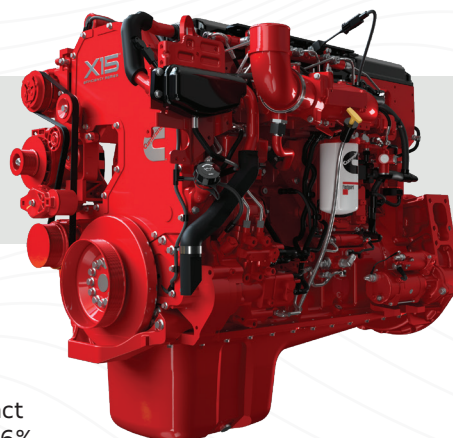
ADVERTISED HORSEPOWER	525 - 625 hp	391 - 486 kW
PEAK TORQUE	1850 - 2050 lb-ft	2508 - 2779 N•m
GOVERNED SPEED	2000 rpm	
CLUTCH ENGAGEMENT TORQUE	1000 lb-ft	1356 N•m
NUMBER OF CYLINDERS	6	
ENGINE (DRY) WEIGHT	1327 kg	
AFTERTREATMENT SYSTEM	85 kg	

MAINTENANCE

DUTY CYCLE	EXTREME <1.2 KM/L	SEVERE 1.2-1.5 KM/L	NORMAL >1.5 KM/L
OIL DRAIN*	20,000 km / 500 hrs	30,000 km / 750 hrs	70,000 km / 750 hrs
VALVOLINE PREMIUM BLUE	20,000 km / 500 hrs	40,000 km / 850 hrs	80,000 km / 850 hrs
FUEL FILTER	40,000 km	Per oil change	Per oil change
DEF (ADBLUE) FILTERS	200,000 km	200,000 km	200,000 km
VALVETRAIN ADJUSTMENT	200,000 km	200,000 km	200,000 km
BREATHER	Maintenance-free	Maintenance-free	Maintenance-free
DPF**	>400,000 km*	>640,000 km*	>640,000 km*

X15 EURO VI ENGINES

Efficiency Series



FEATURES

EGR-free design: Meeting Euro VI emission standards.

ADEPT: A suite of advanced electronic engine-control features that interact with automated manual transmissions to enhance fuel efficiency by up to 6%.

Single Module™ aftertreatment system: A compact and lightweight system that offers increased ash capacity for industry-leading Diesel Particulate Filter maintenance intervals improved serviceability compared to modular systems.

HCA (Hill Climb Assist): A feature that detects when the vehicle is on a grade and delivers an alternate transmission shifting strategy and access to increased engine power (only available on 580hp/2050 lb-ft.)

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, optimising performance.

SPECIFICATIONS

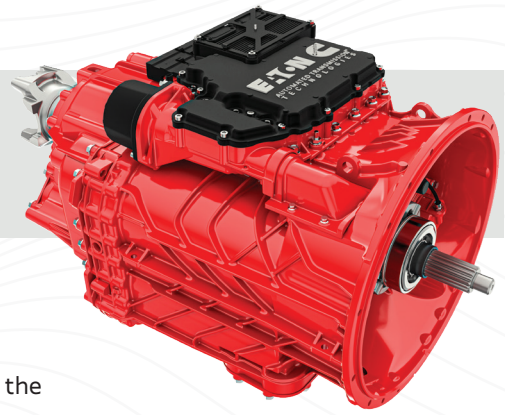
ADVERTISED HORSEPOWER	550 - 580 hp	410 - 432 kW
PEAK TORQUE	2050 lb-ft	2779 N•m
GOVERNED SPEED	1800 rpm	
CLUTCH ENGAGEMENT TORQUE	1000 lb-ft	1356 N•m
NUMBER OF CYLINDERS	6	
ENGINE (DRY) WEIGHT	1327 kg	
AFTERTREATMENT SYSTEM	85 kg	

MAINTENANCE

DUTY CYCLE	EXTREME <1.2 KM/L	SEVERE 1.2-1.5 KM/L	NORMAL >1.5 KM/L
OIL DRAIN*	20,000 km / 500 hrs	30,000 km / 750 hrs	70,000 km / 750 hrs
VALVOLINE PREMIUM BLUE	20,000 km / 500 hrs	40,000 km / 850 hrs	80,000 km / 750 hrs
FUEL FILTER	40,000 km	Per oil change	Per oil change
DEF (ADBLUE) FILTERS	200,000 km	200,000 km	200,000 km
VALVETRAIN ADJUSTMENT	200,000 km	200,000 km	200,000 km
BREATHER	Maintenance-free	Maintenance-free	Maintenance-free
DPF**	>400,000 km*	>640,000 km*	>640,000 km*

EATON TRANSMISSION

Endurant XD Pro™ Transmission



FEATURES

Hill Start Aid: Prevents unintended rollback or roll forward. When the grade exceeds the programmed threshold, the foundation brakes hold the truck for a controlled launch.

Auto Neutral: Automatically switches the transmission into neutral once the parking brake is engaged to prevent potential movement of the vehicle.

Engine Overspeed: The transmission system up-shifts if necessary to prevent engine overspeed in drive, manual and low modes.

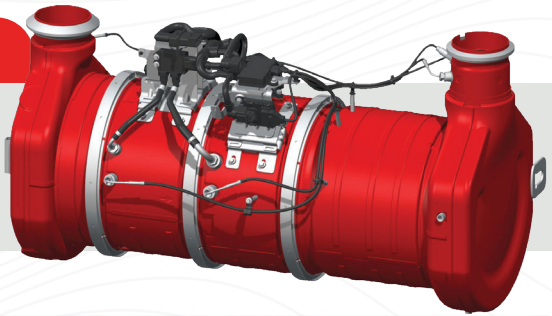
Enhanced engine braking: Downshifts the transmission to help slow the truck on long, steep descents and increase brake pad life.

SPECIFICATIONS

GEAR	D RATIO	STEP SIZE
1	14.32	20%
2	11.96	19%
3	10.02	19%
4	8.43	20%
5	7.04	19%
6	5.90	19%
7	4.95	20%
8	4.13	19%
9	3.46	20%
10	2.89	20%
11	2.41	19%
12	2.02	19%
13	1.70	20%
14	1.42	19%
15	1.19	19%
16	1.00	20%
17	0.83	19%
18	0.70	--
R1	15.25	20%
R2	12.73	19%
R3	10.67	20%
R4	3.08	19%
R5	2.57	--
R6	2.15	--
Overall ratio	20.46	

AFTERTREATMENT

Single Module™
Aftertreatment



FEATURES

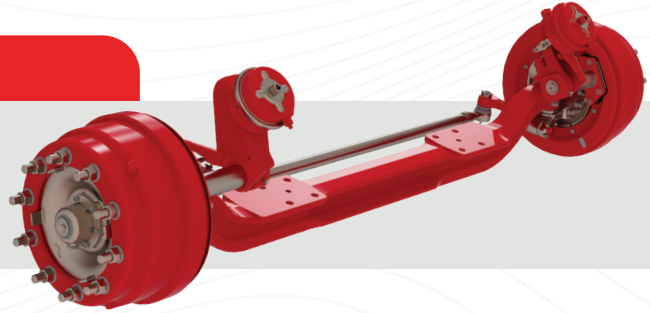
- Integrated with the UL2 Urea Dosing System to deliver improvements in Nox reduction capabilities.
- Offers end-in, end-out (EIEO) and side-in, side-out (SISO) inlet and outlet configuration for added installation flexibility.
- Designed up to 60% smaller and 40% lighter than preceding aftertreatment systems, all while improving emissions reduction performance.
- Compact size enables better heat management and retention for improved fuel economy.

SPECIFICATIONS

LENGTHS		
HORIZONTAL	SISO	1807MM
HORIZONTAL	EIEO	1196MM
VERTICAL	EIEO	1633MM

STEER AXLES

MFS™ Series



FEATURES

- Up to a 55-degree turn-angle capability provides unsurpassed manoeuvrability and vehicle stability.
- Wide range of lightweight, high-strength steer axle assemblies allows customisation for specific applications and superior OEM packaging flexibility.
- Special low-friction bushings, double draw keys, and integral thrust bearing and seal designs offer durability, low maintenance and ease of service.
- Unique Easy Steer™ bushing technology reduces steering effort and increases axle life.

SPECIFICATIONS

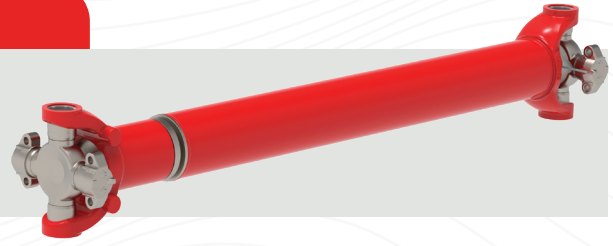
DRUM BRAKE		
STEER AXLE	BRAKE SERIES	NOMINAL SIZE MM (INCH)
MFS66	Q PLUS	419 x 127 (16.5x5)
MFS73 MFS75 FL941	Q PLUS	419 x 152 (16.5x6)

DISC BRAKE		
DISC TYPE		WHEEL SIZE 9(INCH)
STEER AXLE (MFS66, MFS75 ONLY)	EX225H	22.5

All product applications subject to Cummins Drivetrain and Braking Systems (CDBS) engineering approval.

MODEL	RATING TONNE	KING PIN* INTERSECTION MM (INCH)	AXLE BEAM DROP MM (INCH)
MFS66	6.6	1753 (69.0)	88.9 (3.5) & 127 (5.0)
MFS73	7.3	1753 (69.0)	88.9 (3.5)
MFS75	7.5	1740 (68.5)	121 (4.76)
FL941	9.1	1740 (68.5)	88.9 (3.5)

RPL™ Series



FEATURES

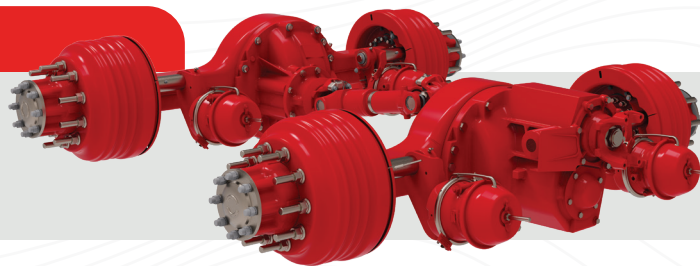
- High-torque-rated models are available for demanding applications, including heavy service and down-speeding.
- Four-bolt design for easy installation and service.
- E-coated steel guard secures and protects the slip seal against contaminants and damage.
- Extended U-joint life:
 - Triple lip seals provide the ultimate protection against contaminants.
 - Nylon thrust washers eliminate metal-to-metal contact, preventing wear.
- Self-aligning centre bearing is standard.
- Environmentally “green” because the need to grease the driveline is eliminated.

SPECIFICATIONS

SPECIFICATIONS	RPL20	RPL25SD	HIGH TORQUE RATED	
			RPL35	RPL35SD
TUBE SIZE (Inches)	4.095 x 0.18	4.69 x 0.23	4.69 x 0.23	5.204 x 0.236
TUBING I.D. (Inches)	3.735	4.23	4.23	4.732
SWING DIAMETER (Inches)	7.80	9.10	8.11	8.11
DRIVELINE RATING (Lb.-Ft.)	12,000	18,500	21,500	25,820
DRIVELINE RATING (N-M)	16,270	25,083	29,150	35,000
APPLICATION	MAIN & INTER-AXLE	MAIN & INTER-AXLE	MAIN	MAIN

REAR DRIVE AXLE

MT-160™ Series



FEATURES

- High-torque gear design delivers smoother and quieter operation, greater torque capacity and longer component life.
- Rugged, single-piece carrier design supports precise gear alignment.
- Spindle design is central tire inflation system (CTIS) ready.
- Broad range of gear ratios available, enabling end users to choose an axle tailored to their needs, whether for improved fuel economy, greater torque or enhanced traction.
- Optional driver-controlled differential lock (DCDL) offers maximum traction and spinout protection under adverse conditions.
- Available in efficient linehaul (pumpless) and heavy-duty vocational (pumped) configurations.

SPECIFICATIONS

AXLE MODEL	GAWR (LBS)*	GAWR (KG)*	NOMINAL GCM (kg)*	HOUSING THICKNESS (mm)	WEIGHT (kg)**	HUB OPTIONS	BRAKE OPTIONS
MT21-165G	46,000	20,900	97,000	12.7	781	DRUM BRAKES STEEL / ALLOY 10 STUD 285PCD 10 STUD 335PCD	DRUM BRAKES X30 DRUM CAST DRUM Q+ BRAKES
MT21-165GP	46,000	20,900	110,000	12.7	785	DISC BRAKES 10 STUD 285PCD 10 STUD 335PCD	DISC BRAKES EX225H DISC BRAKES 10 STUD 335PCD
MT21-168GP	50,000	22,700	131,000	16	819		

*Permitted use of axles and components including capacity ratings where stated vary with application and service. Applications should be approved by Cummins Drivetrain and Braking Systems (CDBS). Approved ratings may be higher or lower than that indicated above, dependent upon engineering review.

Refer to your OEM for Specific Axle Application Guidelines.

**Indicative axle weight does not include yokes, brakes, hubs, bracket(s) or oils.

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Townsville 07 4774 7733

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Cummins Head Office
2 Caribbean Drive
Scoresby VIC 3178
Australia

cummins.com

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