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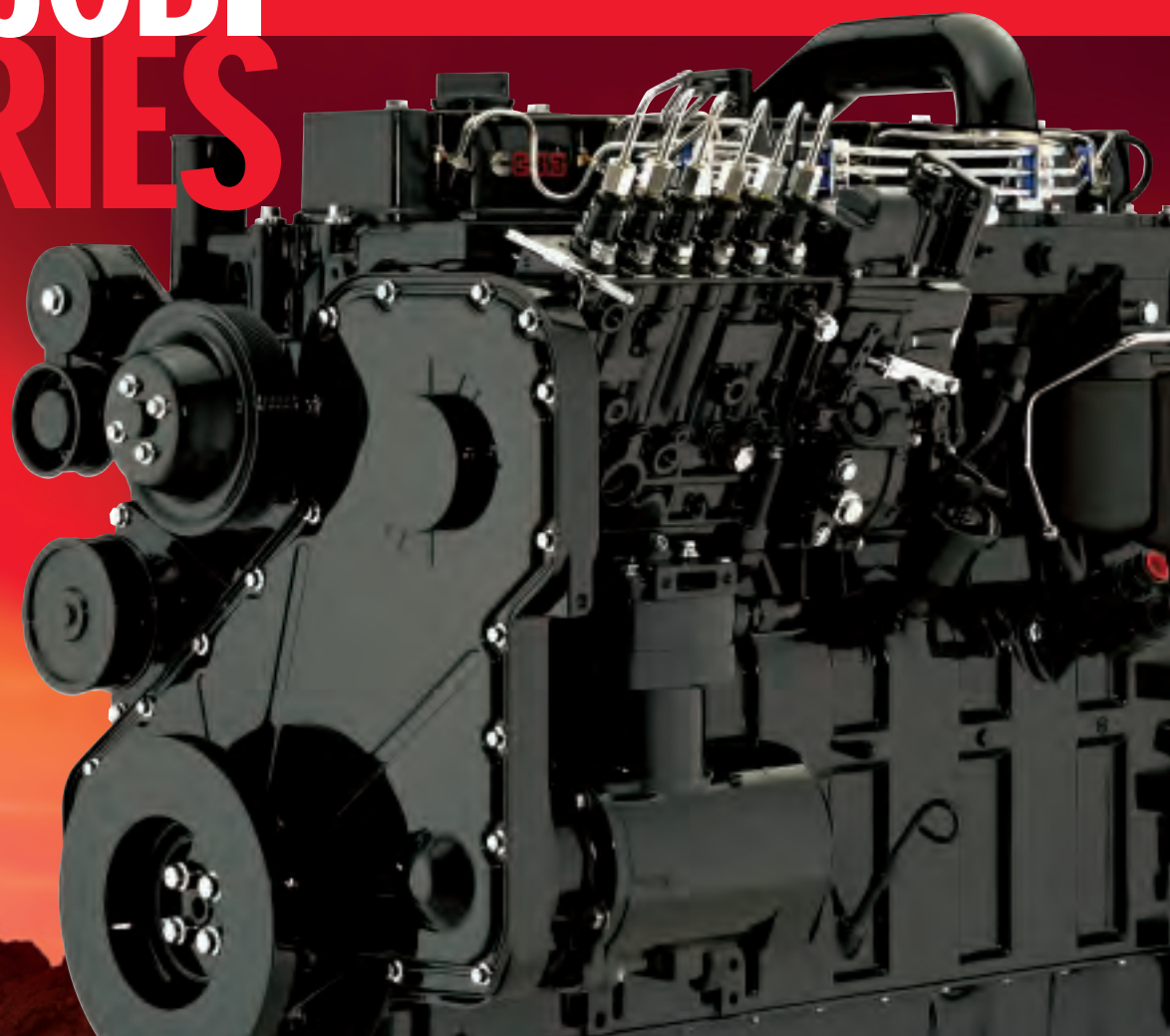


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# EVERY JOB. C SERIES



FOR OFF-HIGHWAY APPLICATIONS

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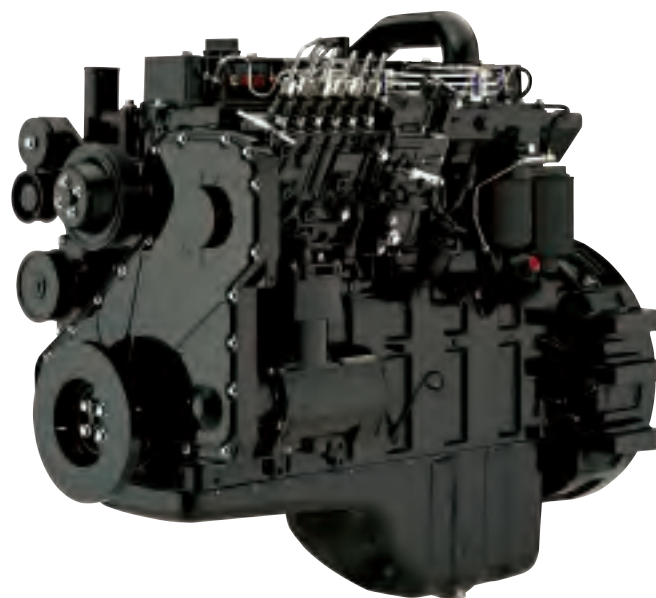
## C SERIES

From excavators to cranes to threshers and knuckle-boom loaders, the C8.3 is one of the most versatile engines in every kind of equipment for construction, agriculture, logging and more. It's also one of the most successful, with millions of C Series engines in use around the globe. Over the decades, Cummins C8.3-powered equipment has earned the trust and repeat business of customers who appreciate its simplicity, durability and no-nonsense work ethic. Cummins C8.3 engine meets all current Tier 2/Stage II standards.

### Features And Benefits.

Cummins C8.3 engines have been proven durable and reliable in some of the most remote locations and harshest working environments in the world. A robust in-line rotary fuel pump delivers more power while making it possible to use lighter weight fuels such as Jet A and kerosene, when diesel fuel is not available. Other design features include:

- Dual Ni-Resist Piston Inserts – Reduce friction and oil consumption, increase piston life.
- Plateau-Honed Cylinder Liners – Virtually eliminate oil consumption.
- Mid-Stop Cylinder Liners – Reduce cavitation and improve rebuildability.
- Holset HX40 Turbo – Wastegated design optimizes response across the torque curve.
- Edge-Molded Gaskets – Prevents oil leaks.
- Helical Gear Train – For smoother and quieter operation.



### Ratings

ENGINE MODEL	ADVERTISED HORSEPOWER	PEAK HORSEPOWER	PEAK TORQUE
C8.3-260	260 @ 2200 RPM	275 @ 2000 RPM	889 LB-FT @ 1500 RPM
C8.3-250	250 @ 2200 RPM	265 @ 2000 RPM	853 LB-FT @ 1500 RPM
C8.3-240	240 @ 2200 RPM	257 @ 2000 RPM	824 LB-FT @ 1500 RPM
C8.3-230	230 @ 2200 RPM	249 @ 2000 RPM	804 LB-FT @ 1500 RPM
C8.3-215	215 @ 2200 RPM	225 @ 2000 RPM	719 LB-FT @ 1500 RPM
C8.3-205*	205 @ 2200 RPM	216 @ 2000 RPM	715 LB-FT @ 1500 RPM
C8.3-190*	190 @ 2000 RPM	194 @ 1800 RPM	638 LB-FT @ 1500 RPM
C8.3-185*	185 @ 2200 RPM	193 @ 2000 RPM	631 LB-FT @ 1500 RPM

\*Ratings with an asterisk are continuous/water management.

All other ratings are intermittent unless noted. Additional ratings may be available. Check with your Cummins distributor or dealer.

### Specifications

ADVERTISED HORSEPOWER	185-260 BHP	138-194 kW
PEAK TORQUE	631-889 LB-FT	856-1205 N•M
NUMBER OF CYLINDERS	6	
OIL SYSTEM CAPACITY	21 U.S. QT	19.9 LITERS
LENGTH	44.4 IN	1128 MM
WIDTH	29.5 IN	749 MM
HEIGHT	43.1 IN	1096 MM
NET WEIGHT (WET)	1,360 LB	617 KG



## Options.

The C8.3 is adaptable to a wide variety of equipment, operating everywhere around the world. For colder climates, we offer Resistive Grid Heating that preheats intake air electrically for improved starting. For high-traffic areas where noise is a concern, we offer a choice of noise reduction packages, lowering noise output by as much as 3 dBA. There are literally hundreds of options to choose from when spec'ing every C8.3, including:

- Flywheels
- Flywheel housings
- Starters
- Oil fill options
- Alternators
- Oil pans
- Air-handling options
- Cooling system options
- Accessory drive mounting options
- Fan drive options
- And more

## Cummins Advisor.

Getting every installation right – the first time – is what Cummins Advisor is all about. Advisor software builds a virtual model to make sure every system (air, intake, exhaust, cooling, etc.) is integrated for optimum performance. It takes into account everything from load factors to operating climates to duty cycles – then identifies systems or components that could negatively impact reliability – listing alternatives that deliver the performance you expect the first time – every time.



## Maintenance Intervals.

The C8.3 is designed to run up to 500 hours between oil changes with the optional high-capacity oil pan, with little or no top-off needed. Plateau-honed cylinder liners, an innovative ring pack design and edge-molded gaskets all help to reduce oil consumption.

## Base Warranty.

Cummins C Series engines come with a full 2-year/2,000-hour warranty that covers all Cummins branded components, including electrics such as starters and alternators.



Major components coverage continues into the third year, up to 3,000 hours of operation from the time your C8.3 engine goes in service.

Three simple steps explain everything you need to know:

**Step One:** Full coverage on all Cummins industrial engines and branded components with unlimited hours during the first year of operation. This includes Cummins branded electrics such as alternators, starters, etc.

**Step Two:** Full coverage is extended for the second year, up to 2,000 hours of operation. Total hours are cumulative from the time the engine goes in service.

**Step Three:** Major components coverage including block, crankshaft, camshaft and rods on all products for the third year or up to 3,000 hours of operation. Total hours are cumulative from the time the engine goes in service.

## Extended Coverage.

Unlike plans offered by other diesel manufacturers, Encompass gives you a choice of hourly or unlimited plans and options that include parts only, parts and service, or parts, service and travel coverage. You can get up to seven years of additional coverage for your C8.3 engine with Encompass, including your choice of plans for up to five years of coverage with unlimited hours. No matter where your Cummins-powered equipment is going to be used, Cummins Encompass has you covered, around the clock and around the globe. For additional details, please ask to see Cummins Bulletin 3624570.

## Cummins QuickServe®

Cummins QuickServe is an entire system dedicated to performing fast, accurate maintenance and repair services – using quality Cummins and Cummins ReCon® parts – to minimize downtime and maximize productivity.

Our distributors' service record is so reliable, we offer an exclusive QuickServe Guarantee\* to customers in the majority of our industrial markets.

Cummins distributors guarantee that engine service performed in their shop with a standard repair time of four hours or less will be completed that same day – or you'll receive a \$75 credit toward future Cummins parts or service work.

If your equipment is down and you can't bring it to one of our locations, we'll come to yours. A Cummins QuickServe truck and certified service technician will be dispatched within four hours of your call, or you'll receive a \$75 credit toward future Cummins parts or service work.

\*\$75 credit applies only to service in the U.S. and Canada. The QuickServe Guarantee varies by country. Please contact your local Cummins distributor for details.



To schedule or request service, call your local Cummins distributor today. For additional details or to learn more about the QuickServe Guarantee, see our web site at [www.everytime.cummins.com](http://www.everytime.cummins.com).

## QuickServe® Online.

QuickServe Online (<http://quickserve.cummins.com>) gives you easy access to parts and service information. While there are over eight million engines and literally billions of part numbers indexed in the QuickServe Online database, you can find the information you need in seconds with our high-speed search function and your engine's serial number.

## Every Question, Answered.

**Service Network** – Cummins engines are backed by the strength of Cummins global network of over 5,500 service locations worldwide.

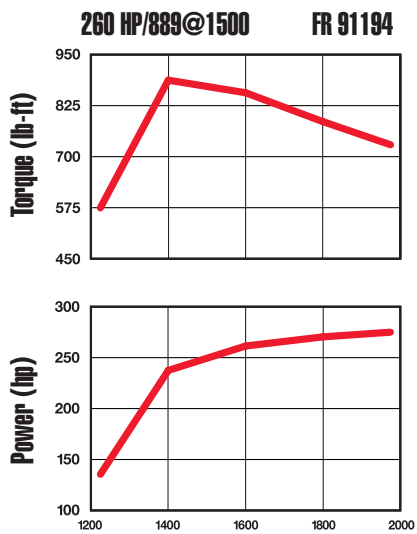
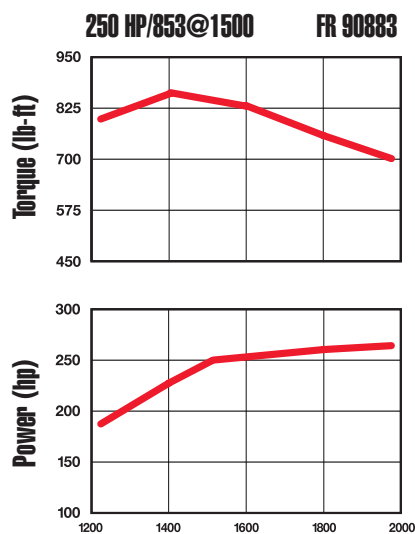
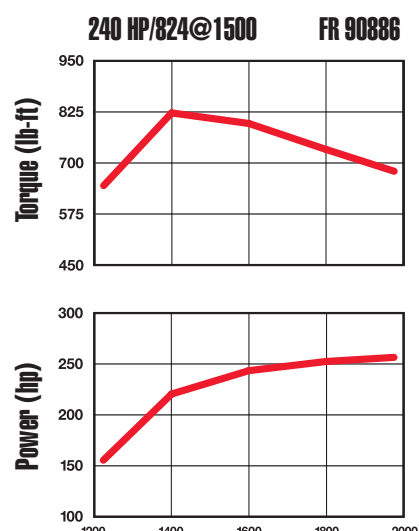
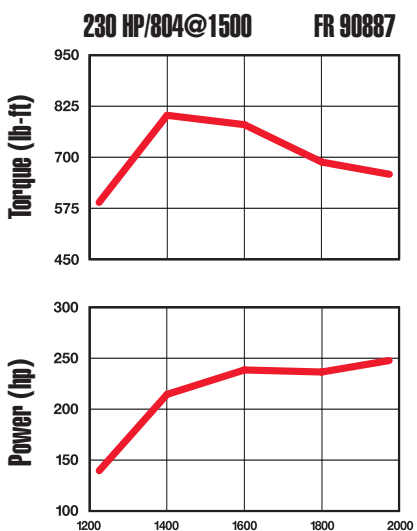
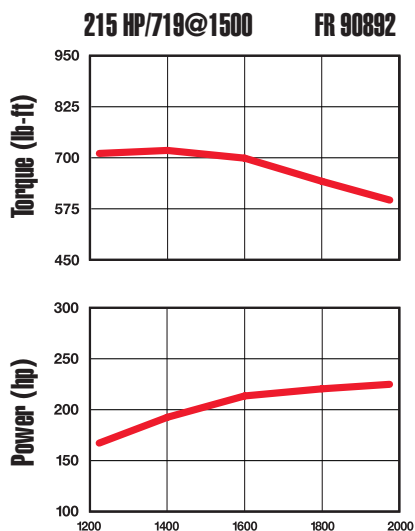
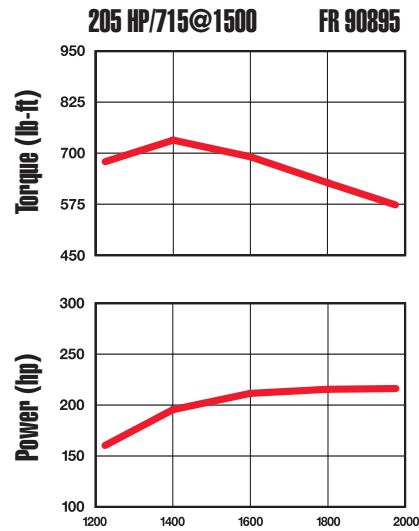
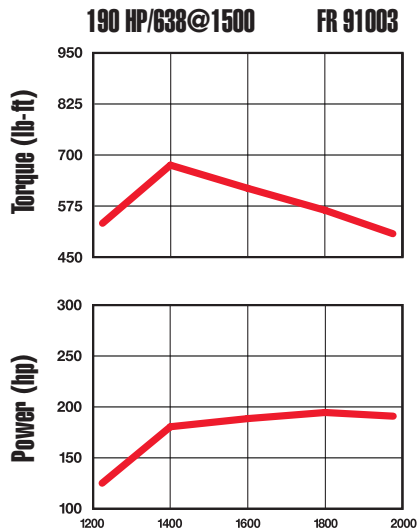
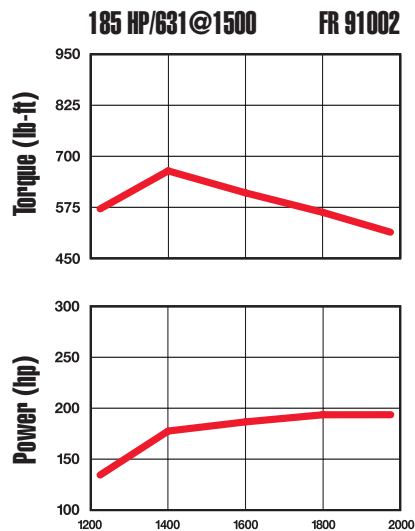
**Customer Assistance Center** – For technical assistance, service locations and product literature, call 1-800-DIESELS (1-800-343-7357).

**Cummins PowerMaster** – E-mail the experts for timely answers to Cummins-related questions at [powermaster@cummins.com](mailto:powermaster@cummins.com).

**Cummins Online Registration** – Register all your Cummins engines quickly and easily at [www.everytime.cummins.com](http://www.everytime.cummins.com) to ensure quality parts and service for your engine.



# TORQUE AND POWER CURVES.



Cummins is a pioneer in product improvement. Thus specifications may change without notice. Illustrations may include optional equipment.



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