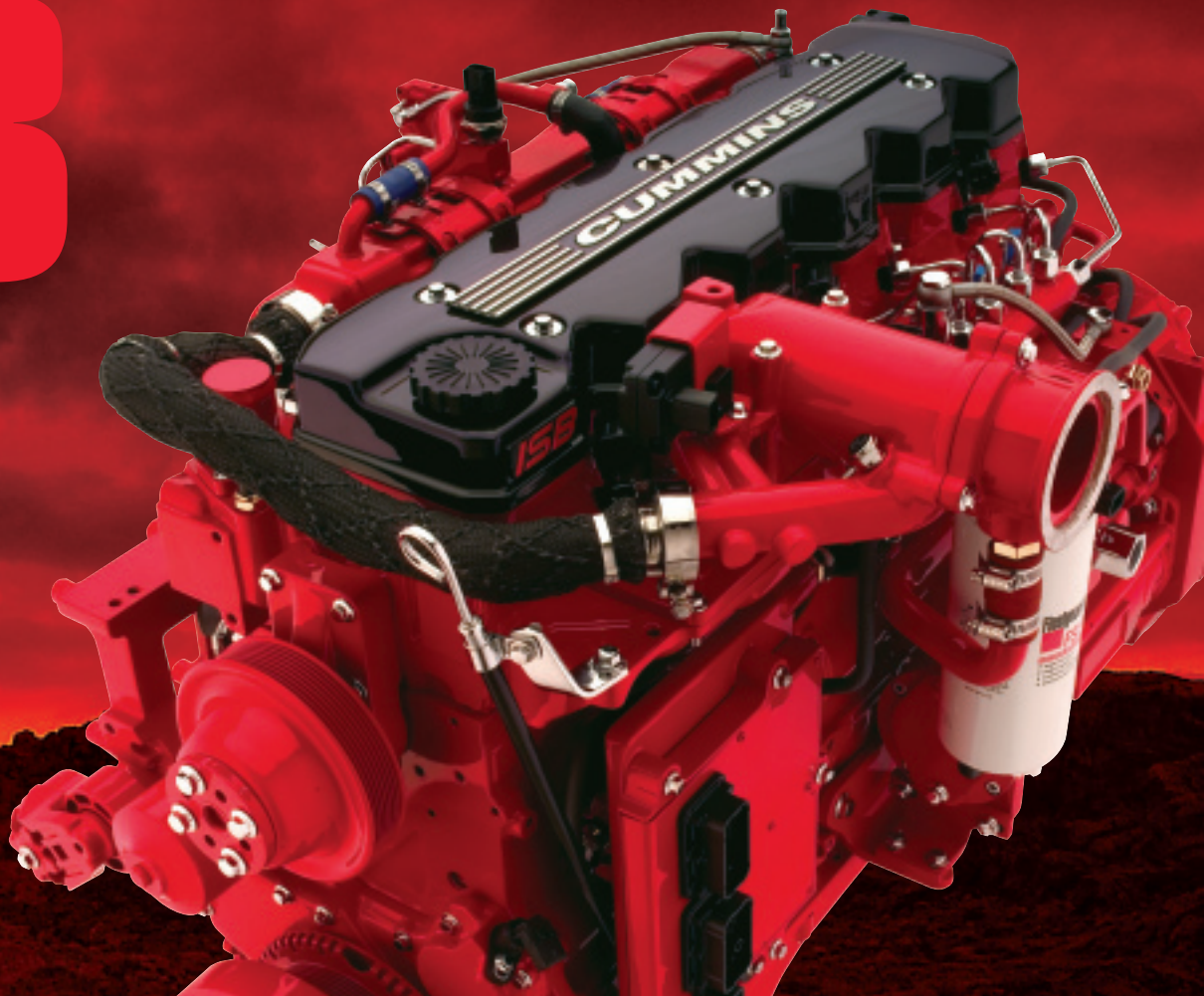




EVERY JOB.

ISB



FOR MEDIUM-DUTY TRUCKS

FOR MEDIUM-DUTY TRUCKS.



Cummins ISB raises the bar for performance and productivity in every type of medium-duty truck, P&D van or other vehicle. At the same time, it lowers noise by as much as 80% and meets every EPA and Euro emissions standard through 2006. In other words, we've taken an engine that has proven worldwide acceptance (over 3 million sold) and improved it in virtually every aspect, from acceleration to pulling power (up to 350 lb-ft of clutch engagement torque) to fuel economy (increased by as much as 2%).

Features And Benefits.

Cummins ISB uses a new High-Pressure Common-Rail (HPCR) fuel system that maintains high injection pressures regardless of engine speed for exceptional performance across the entire rpm range with enhanced reliability.

Other ISB benefits include:

- Outstanding Performance – With the new HPCR fuel system for rapid acceleration and a Holset Variable Geometry Turbo on all ratings of 245 hp and higher.
- Quieter Operation – The rear gear train design reduces engine noise.
- Exceptional Power-to-Weight Ratio – With up to 275 hp and 660 lb-ft of peak torque, from an engine that weighs only 1,150 lb.
- Lower Operating Costs – Thanks to long maintenance intervals combined with a simple design.
- Clean, Efficient Combustion – 24 valves (4 per cylinder) with centered fuel injection and cooled Exhaust Gas Recirculation (EGR) help ensure complete combustion for maximum efficiency and reduced emissions.



Ratings

ENGINE MODEL	ADVERTISED HORSEPOWER	PEAK TORQUE	GOVERNED SPEED
ISB 275	275	660 @ 1600 RPM	2600 RPM
ISB 260	260	660 @ 1600 RPM	2500 RPM
ISB 260	260	550 @ 1900 RPM	2600 RPM
ISB 245	245	660 @ 1600 RPM	2500 RPM
ISB 230	230	520 @ 1600 RPM	2500 RPM
ISB 215	215	520 @ 1600 RPM	2500 RPM
ISB 200	200	520 @ 1600 RPM	2500 RPM
ISB 185	185	420 @ 1600 RPM	2600 RPM

Specifications

ADVERTISED HORSEPOWER	185-275 HP	138-205 kW
PEAK TORQUE	420-660 LB-FT	570-895 N•M
GOVERNED SPEED	2500-2600 RPM	
CLUTCH ENGAGEMENT TORQUE	350 LB-FT	475 N•M
NUMBER OF CYLINDERS	6	
OIL SYSTEM CAPACITY	4 U.S. GALLONS	15 LITERS
DRY WEIGHT	1,150 LB	522 KG

Electronic Features.

The ISB electronic hardware and software use a common architecture with all other Cummins engines, technology that is time-tested and proven.



Combine it with RoadRelay™ 4, and you can quickly and easily monitor mpg, engine hours, idle times, trip data and more from the driver's seat. Plus, the ISB has every diagnostic, maintenance monitoring and engine protection feature that you need.

Dependability. Every Day And Every Year.

Cummins ISB is designed for years of dependable service. The proven B Series block was designed for even greater structural capability. Targeted piston-cooling nozzles lower piston temperatures for increased durability in lower ratings, while gallery cooling achieves the same goal in higher-horsepower ratings. Plus, it features a state-of-the-art Fleetguard® oil filter for extended component and engine life.

- Integrated oil cooler for lower oil temperatures.
- Engine diagnostics and protection features have been improved.
- The engine block has been stiffened, enhancing durability and reducing noise.
- A rear gear train allows increased accessory drive capability with lower noise. A die-cast aluminum gear housing delivers strength with reduced weight, and an internal oil passage improves accessory lubrication.

Optional Equipment.

- WABCO air compressors with 15.2 cfm come standard on Cummins ISB engines.
- Water-in-fuel sensor alerts drivers of water buildup in the fuel filter. This is a warning sign that there may be excess water in the fuel, which could cause performance and durability problems.

Electronic Tools.

■ INSITE™ – For years Cummins INSITE software has been making it easy for technicians to troubleshoot, repair and service our electronic engines through easy-to-follow steps on your computer. Providing the kind of uptime you demand from your trucks.

■ QuickCheck III – Technicians can quickly and easily view engine data from every type of electronic diesel engine you run, using Cummins QuickCheck III and your own PDA device.

For more information on hardware compatibility, please visit us at <http://quickcheck.cummins.com> or see Bulletin 4081450.

■ QuickServe® Online – Gives Cummins fleets, owner/operators, distributors and dealers rapid access to parts and service information for over 8 million engine serial numbers. Part numbers and diagrams, maintenance information and service bulletins, warranty details and more are available every minute of every day via the Internet.



Gearing And Transmission Recommendations.

With governed speeds of up to 2600 rpm, the ISB provides a broad band for excellent performance when matched to various mechanical and automatic transmissions. Select the proper rear axle ratio and transmission combination to achieve the desired startability and road speed.

For the best balance of performance and fuel economy in urban P&D operations, select an axle ratio/transmission combination that will produce 2100-2400 rpm at 65 mph.

Log on to www.powerspec.cummins.com for more gearing recommendations.

Warranty Coverage.

Cummins base engine coverage* is 2 years with unlimited mileage. It covers:

- Full parts and labor on warrantable failures.*
- Travel or towing when an engine is disabled by a warrantable failure or further operation would cause damage (from date of delivery through the first year).
- All consumables not reusable due to covered failure.
- No deductible.

*Plan covers defects in materials or factory workmanship.

Coverage Plans.

ISB owners have three plans to choose from:

3-year/200,000-mile (321,869 km) Total Protection;

4-year/250,000-mile (402,336 km) Internal Protection

(ensures against major engine systems repair costs and specific internal components); or 5-year/300,000-mile (482,804 km) Internal Protection with a \$250 deductible after the expiration of the base warranty.

ISB Maintenance Intervals.

	MILES KILOMETERS	HOURS	MONTHS
OIL & FILTER	15,000 24,000	500	6
PRIMARY FUEL FILTER	15,000 24,000	500	6
COOLANT FILTER	NONE	NONE	NONE
OVERHEAD ADJUSTMENT	150,000 240,000	5,000	48
STD. COOLANT CHANGE	240,000 384,000	N/A	24

Cummins ISB is fully compatible with long-life coolant/antifreeze formulas which allow changes out to 600,000 miles (960,000 km) or 6 years. Follow maintenance guidelines recommended by the manufacturer for safe use with extended service intervals.

See Owner's Manual for complete details.

QuickServe® Says It All — With A Guarantee.

You need diesel engine service work done fast – and done right – every time. That's why you need

Cummins QuickServe. Your Cummins distributor guarantees 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.

No one else has a parts and service network as extensive or efficient as Cummins. That's why no one else offers anything like our QuickServe "Same Day or We Pay" Guarantee.

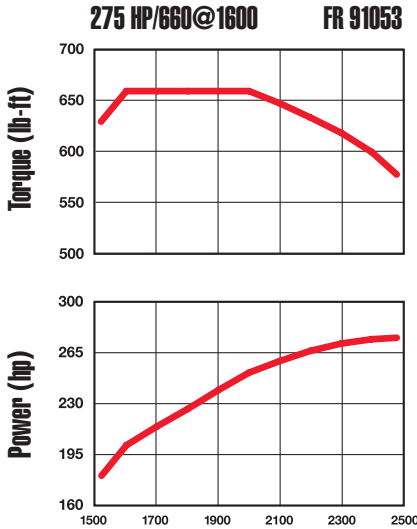
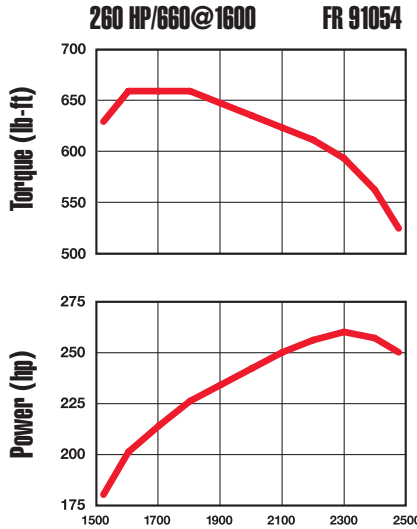
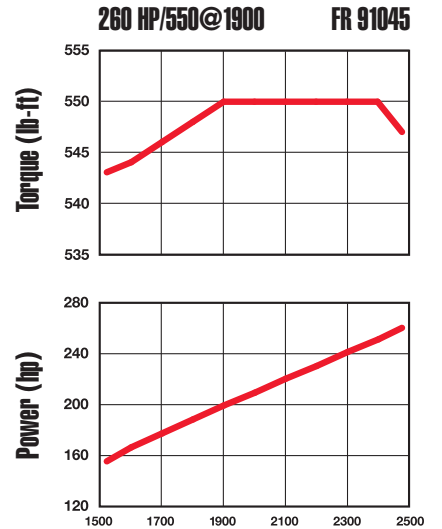
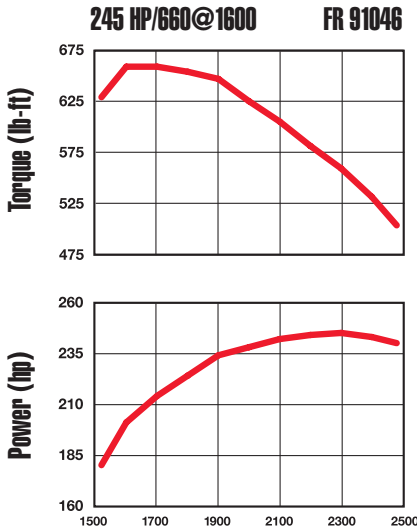
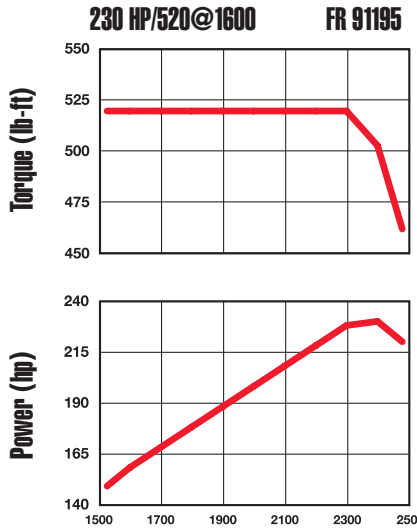
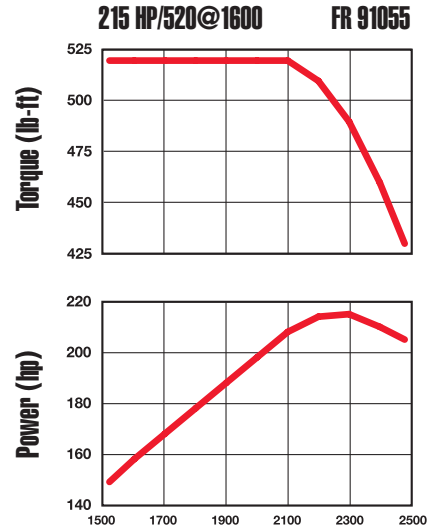
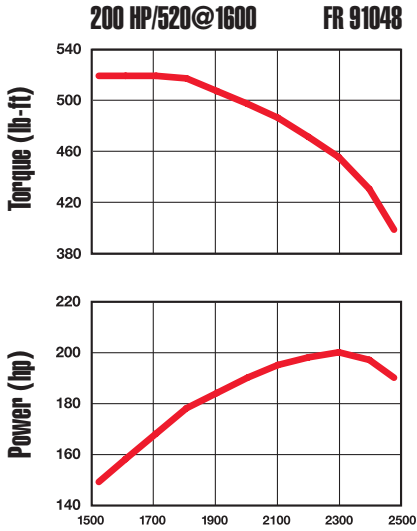
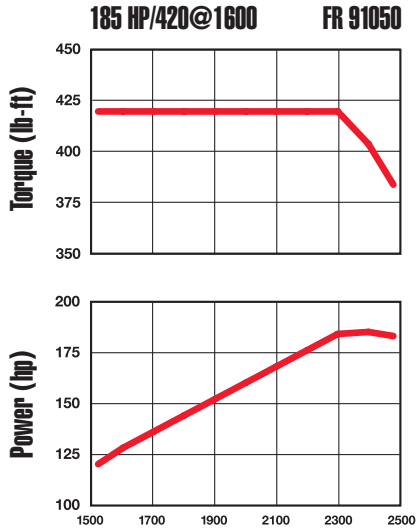
To schedule or request service, call your local Cummins distributor today. For additional details, see our web site at www.cummins.com.

Every Question, Answered.

- Service Network – Cummins engines are backed by nearly 3,500 authorized Cummins parts and service outlets in North America.
- Customer Assistance Center – Call the Cummins specialists for technical assistance, service locations and product literature at 1-800-DIESELS (1-800-343-7357).
- Cummins PowerMaster – E-mail the experts for timely answers to Cummins-related questions at powermaster@cummins.com.
- Cummins Online Registration – Register all your Cummins engines quickly and easily at www.everytime.cummins.com to ensure quality parts and service for your engine.



ISB MEDIUM-DUTY TRUCK TORQUE AND POWER CURVES.



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



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