



**EVERY LOAD.**

**ISC**



**TRUCK AND VOCATIONAL APPLICATIONS**

# TRUCK AND VOCATIONAL APPLICATIONS.



The more your job demands, the more you're going to like Cummins ISC. A new High-Pressure Common-Rail (HPCR) fuel system, coupled with a proven Holset turbo, delivers outstanding performance. Maintenance has been simplified, for an industry-leading low cost of ownership with reduced downtime. Plus, the ISC is lighter, which increases payload.

## Features And Benefits.

Cummins ISC delivers the ideal combination of power, performance and operating efficiencies. Its High-Pressure Common-Rail (HPCR) fuel system maintains high injection pressures regardless of engine speed for exceptional performance across the entire rpm range with enhanced reliability.

Other ISC benefits include:

- Outstanding Performance – With a new HPCR fuel system for rapid acceleration and a Holset wastegated turbocharger.
- Enhanced Reliability – With robust, proven components used throughout the Cummins engine lineup.
- Exceptional Power-to-Weight Ratio – The ISC's low weight results in class-leading performance for increased payload, delivering up to 315 hp with 950 lb-ft of peak torque.
- Lower Operating Costs – Thanks to long maintenance intervals combined with a simplified design.
- Increased Value at Resale – With easy electronic horsepower uprates that require no hardware changes.
- WABCO Air Compressors – Come standard on Cummins engines, with models available in both 18.7 and 30.4 cfm.
- Quiet Operation – Noise levels have been reduced by as much as 50%.



## Ratings

ENGINE MODEL	ADVERTISED HORSEPOWER	PEAK TORQUE	GOVERNED SPEED
ISC 315	315	950 @ 1300 RPM	2200 RPM
ISC 300	300	860 @ 1300 RPM	2200 RPM
ISC 285	285	800 @ 1300 RPM	2200 RPM
ISC 260	260	800 @ 1300 RPM	2200 RPM
ISC 260	260	660 @ 1300 RPM	2400 RPM
ISC 240	240	660 @ 1300 RPM	2400 RPM

## Specifications

ADVERTISED HORSEPOWER	240-315 HP	179-235 kW
PEAK TORQUE	660-950 LB-FT	895-1288 N•M
GOVERNED SPEED	2200-2400 RPM	
CLUTCH ENGAGEMENT TORQUE	500 LB-FT	678 N•M
NUMBER OF CYLINDERS	6	
OIL SYSTEM CAPACITY	6.3 U.S. GALLONS	23.8 LITERS
DRY WEIGHT	1,530 LB	694 KG

## Every Day. Every Month. Every Year.

Cummins ISC is designed for years of dependable service. Targeted piston cooling and roller followers increase durability. A combination full-flow and bypass oil filter extends piston ring and bearing life. This, together with mid-stop cylinder liners, makes the ISC easier to rebuild. Plus, the ISC engine block and cylinder head have been redesigned to provide increased strength.

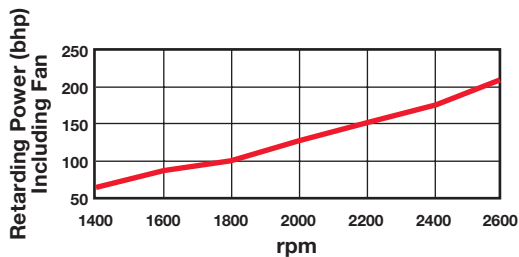
- High-efficiency lube cooler lowers oil temperatures for long life.
- A robust breather virtually eliminates oil carryover.
- Coolant flow has been optimized and balanced, effectively reducing cylinder temperatures.



- Six Sigma design practices have resulted in enhanced reliability for individual components and the total engine design.

## Optional Equipment.

- E Brake by Jacobs® is an exhaust brake designed specifically for the ISC. It increases stopping power and reduces wear on service brakes.



- Water-in-fuel sensor alerts driver to contamination that could cause performance and durability problems.
- Rear Engine Power Take-Off (REPTO) is available to meet auxiliary power needs.

## 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 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.



## ISC Maintenance Intervals.

	MILES KILOMETERS	HOURS	MONTHS
OIL & FILTER	15,000 24,000	500	6
PRIMARY FUEL FILTER	15,000 24,000	500	6
SECONDARY FUEL FILTER	30,000 48,000	1,000	12
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 ISC 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.

\*If engine is equipped with an optional coolant filter, it will need to be replaced on the same intervals as the oil filter.

## Gearing And Transmission Recommendations.

With governed speeds of up to 2400 rpm, the ISC 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.

In vocational applications with occasional high-speed steady-state operation, select an axle ratio/transmission combination that will produce 2000-2150 rpm at 65 mph. This will deliver the best balance of performance and fuel economy.

For the best balance of performance and fuel economy in urban P&D operations, select an axle ratio/transmission combination that will produce 2150-2300 rpm at 65 mph.

Log on to [www.powerspec.cummins.com](http://www.powerspec.cummins.com) for more gearing recommendations.

## Warranty Coverage.

Cummins base engine coverage\* is 2 years/250,000 miles (402,336 km), whichever occurs first. 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).
- Consumables not reusable due to covered failure.
- No deductible.

\*Plan covers defects in materials or factory workmanship.

## Extended Coverage Plans.

Line-haul and P&D operations 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.

Vocational truck users can also cover major repair costs for all internal components and major engine systems with 5-year/150,000-mile (241,402 km) coverage.

## 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](http://www.cummins.com).

## Every Question, Answered.

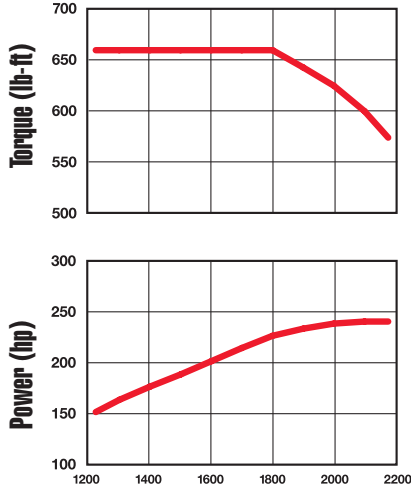
- Service Network – Cummins engines are backed by nearly 3,500 authorized Cummins parts or service outlets in North America.
- Customer Assistance Center – Call the Cummins specialists for technical assistance, service locations and product literature at 1-800-DIESELS (1-800-343-7357).
- Cummins PowerMaster – For expert answers to Cummins-related questions, e-mail [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.



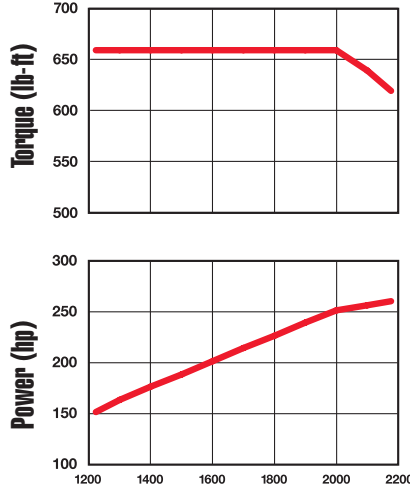


# ISC TRUCK AND VOCATIONAL TORQUE AND POWER CURVES.

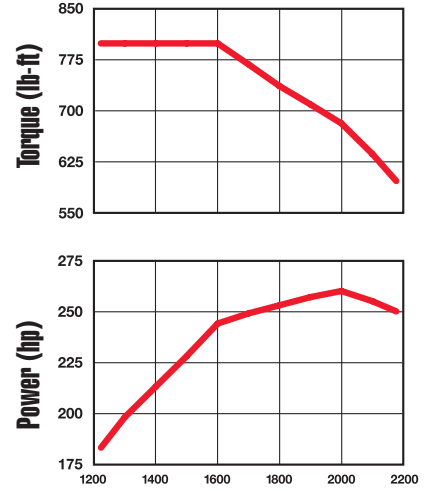
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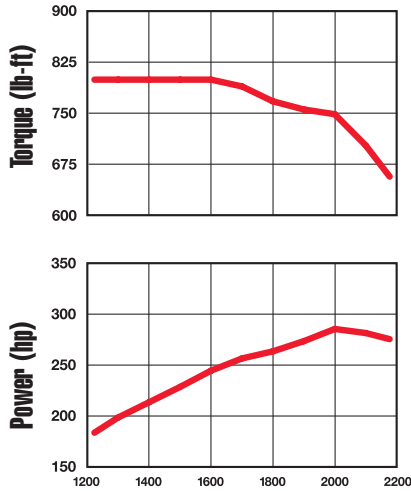
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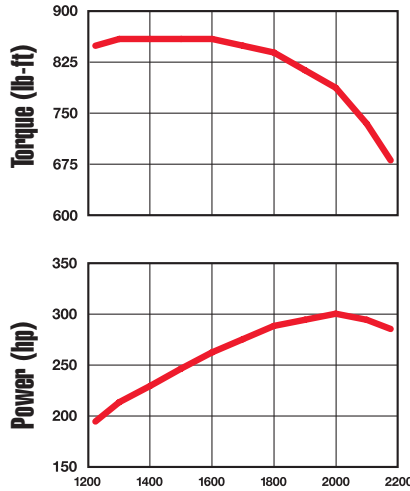
**260 HP/800@1300 FR 91285**



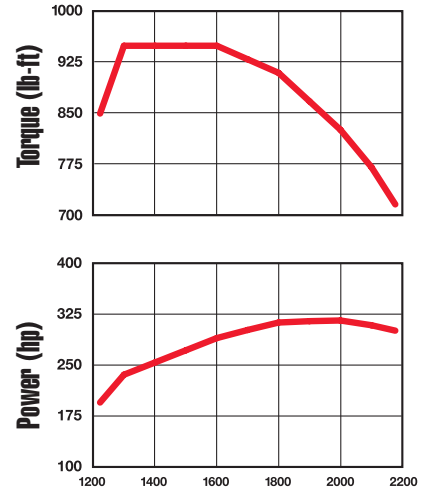
**285 HP/800@1300 FR 91286**



**300 HP/860@1300 FR 91256**



**315 HP/950@1300 FR 91083**



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



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Bulletin 4103600 Printed in U.S.A. Rev. 7/04  
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