



EVERYTM SITE. A SERIES



FOR INDUSTRIAL APPLICATIONS

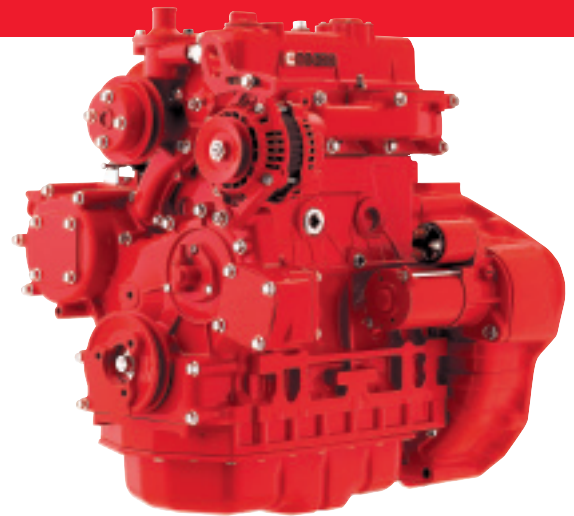
FOR INDUSTRIAL APPLICATIONS.

A SERIES

Cummins A Series – the small engines you need for the biggest tasks. Five highly versatile models are available for tractors, crop harvesters, power units and compact construction equipment. Ratings range from 31-60 horsepower (23-45 kW) with up to 135 lb-ft (183 N•m) of peak torque. These three- and four-cylinder engines are dependable, cost-effective, easily serviced and are designed to meet the next generation of emissions requirements. Plus, every A Series engine features low noise, integrated cold-start capability down to -22°F (-30°C), simplified installation and the ability to extract power from front or rear hydraulic locations, in addition to the flywheel and the front crankshaft.

Meeting Every Standard.

Cummins A Series engines use an indirect fuel injection system, so they can meet Tier 3/Stage IIIA emissions standards. No changes will be made to the naturally aspirated engines, while the turbocharged 2300T requires only a minor adjustment to reach Tier 3/Stage IIIA standards. So in addition to getting a compact, simple and cost-effective design solution, you get an engine that has already proven dependable in every kind of light construction application from skid steer loaders and mini-excavators to compactors, concrete saws, boring machines and light towers. An A Series installation that works today will work for years to come – which is not the case for competitors with direct injection in these same size engines. A Series engines meet noise regulations as well, with significantly lower acoustic output than many competitors.



Ratings

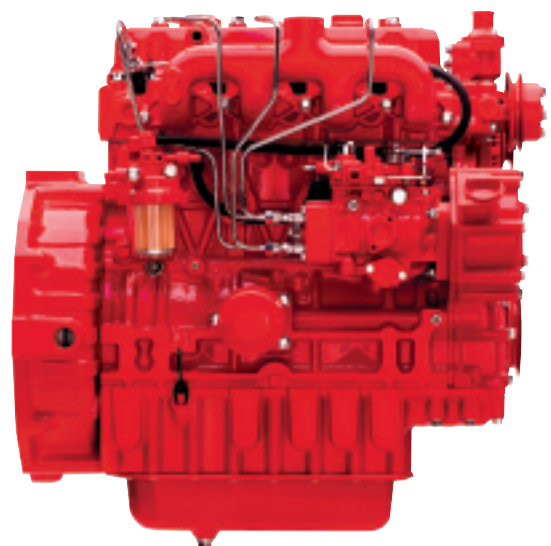
ENGINE MODEL	ADVERTISED HP (KW) @ RPM	PEAK TORQUE LB-FT (N•M) @ RPM	TORQUE RISE
A2300	60 (45) @ 2800	135 (183 N•M) @ 1600	21%
A2300*	50 (37) @ 2800	111 (150 N•M) @ 1600	18%
A2000*	45 (34) @ 2800	103 (140 N•M) @ 1600	23%
A1700*	37 (28) @ 2800	81 (110 N•M) @ 1600	19%
A1400*	31 (23) @ 2800	69 (93 N•M) @ 1600	19%

*Indicates natural aspiration. All others are turbocharged.

Specifications

ADVERTISED HORSEPOWER	31-60 HP	23-45 kW
PEAK TORQUE	69-135 LB-FT	93-183 N•M
NUMBER OF CYLINDERS	3-4	
OIL SYSTEM CAPACITY	5-7.5 U.S. QT	4.8-7 L*
LENGTH	20.2-20.6 IN	513-523 MM
WIDTH	19.0-20.6 IN	483-523 MM
HEIGHT	25.1-27.4 IN	638-696 MM
DRY WEIGHT	414-461 LB	188-209 KG

*L = Liters/Litres



Features And Benefits.

Cummins A Series engines have been proven through rigorous testing that exceeds normal operating conditions. Coupled with substantial installation experience, it is a proven performer in the toughest applications. An indirect fuel injection system lowers noise, reduces emissions, and enhances cold-weather starting to -22°F (-30°C). Designed specifically for the A Series engine, this system has lower heat rejection than competitive indirect injection designs for longer life and enhanced durability. Other heavy-duty components include:

- Forged-steel camshafts and crankshafts for durability.
- Dropped forged-steel rods for long life.
- One-piece aluminum pistons for dependable performance.
- Cast-iron cross-flow head built to handle extreme pressure.
- Cast-iron block with dry liners for improved serviceability.
- Heavy-duty bedplate for quieter, smoother operation.
- Gear-driven accessory drive for enhanced reliability.
- SAE "A" mounted hydraulic pump drive.
- Crank PTO drive with full engine horsepower capability.

Options.

The small footprint and compact size of A Series engines make them an excellent fit in a wide variety of construction equipment. Options include:

- Gear-driven hydraulic pump drives with front- and rear-mounting capabilities.
- Fan height and drive ratio.
- Fans and spacers.
- Single-side service with lube filter, fuel filter, dipstick and top or side oil fill options.
- Glow plugs and other cold-start aids.
- Exhaust systems and connections (up or side-out).
- Intake connections (two turbo connection options).
- Standard or structural oil pans.
- Front- or rear-mounted gear-driven PTO.



Base Warranty.

Unlike some competitive engines, every Cummins A Series engine comes 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 A Series 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.

Encompass Extended Coverage.

Unlike plans offered by other diesel manufacturers, Encompass gives you a choice of plans that include parts only, parts and labor, or parts, labor and travel coverage. A Series coverage is available with your choice between 2 years/unlimited hours or 3 years/unlimited hours. No matter where your Cummins-powered equipment is going to be used, Cummins Encompass gives you every confidence, around the clock and around the globe. A \$200 deductible applies per service visit after the expiration of the base warranty. For additional details, please ask to see Cummins Bulletin 3624570.

Maintenance Intervals.

Recommended maintenance intervals are at the standard 250 hours or at 3-month intervals. Single-side service makes maintenance easy to perform.

Cummins Advisor.

Getting every installation right is what Cummins Advisor is all about. Advisor puts a virtual engineer on the OEM team, allowing the OEM to focus on machine requirements instead of engine requirements. This shortens engineering cycle times and cost. Cummins Advisor models equipment installation for exceptional productivity, reliability and durability. After a comprehensive review of load factors, climates, duty cycle and equipment usage, Advisor recommends the best engine and rating match for the equipment and operating conditions. It then builds a virtual model of the intake, exhaust, cooling, fuel and mounting systems. When Advisor identifies an issue, it lists acceptable alternatives. This approach allows changes while the equipment design is still “on paper,” ensuring optimum performance while minimizing costs – every time.



Cummins QuickServe®

Cummins QuickServe is dedicated to performing fast, accurate maintenance and repair services – using Genuine 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.

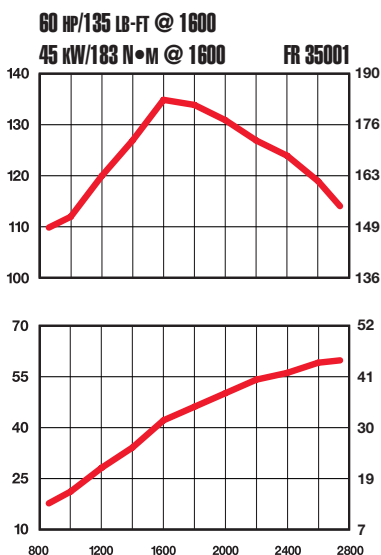
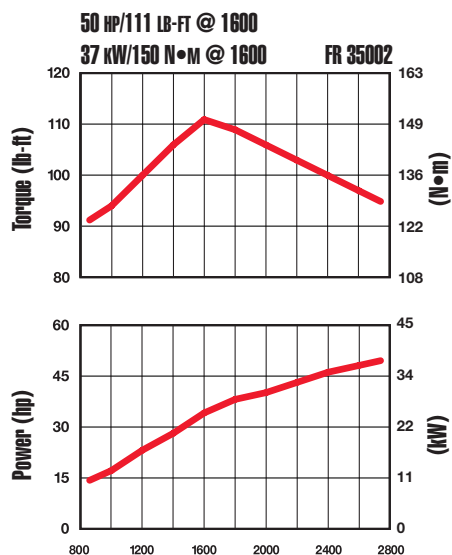
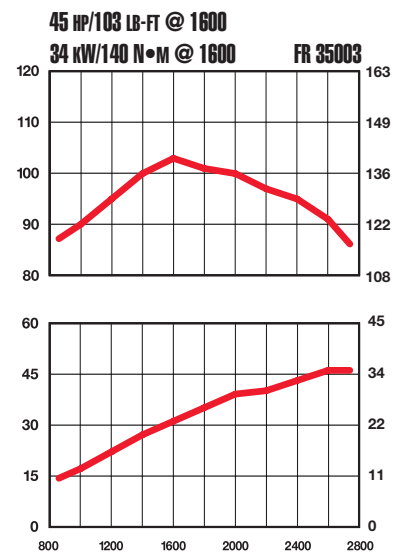
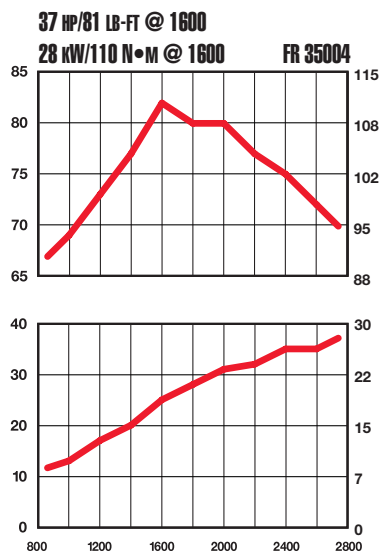
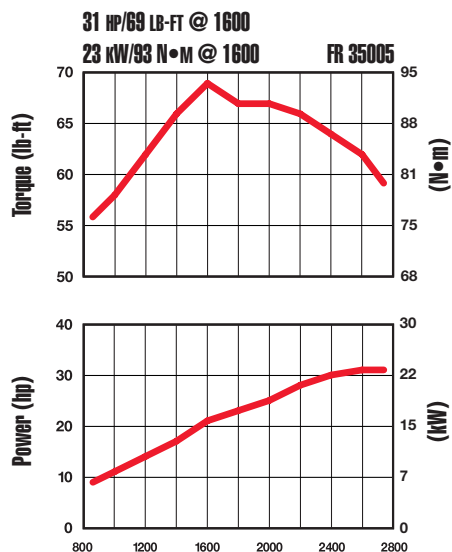
Every Part. Online.

QuickServe® Online (<http://quickserve.cummins.com>) gives you easy access to parts and service information. While there are part numbers for over eight million engines 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). For customers in Europe, the Middle East and Africa, call +44 (0) 1327 886464 or e-mail to cabo.customerassistance@cummins.com.
- **Cummins E-Mail** – For online assistance to Cummins-related questions, click on the Contact Us link in the header at www.everytime.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.

TORQUE AND POWER CURVES.





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