



EVERY™ TASK. A SERIES



FOR INDUSTRIAL APPLICATIONS

FOR INDUSTRIAL APPLICATIONS.

A SERIES

Emissions regulations are a global reality – one that every equipment manufacturer has to take into consideration.

That's where Cummins A Series engines give equipment manufacturers a big advantage. Every one of our A Series engines under 48 hp (36 kW) is certified to the Tier 4 Interim standard – which means no change to the engine through 2012 – and will also meet Stage IIIA regulations through 2017. Our 2300T is certified to Tier 4 Option 1/Stage IIIA regulations.

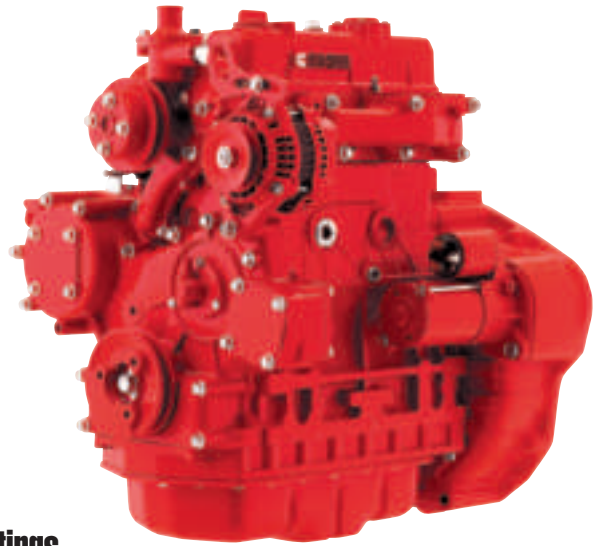
You can rest assured that you won't have to re-engineer your equipment to adapt to changing regulations for at least five years in the U.S. and up to ten years throughout the rest of the world. Best of all, these A Series engines meet the NOx and PM standards using Cummins in-cylinder technology – a technology that provides the highest reliability and performance possible.

Cummins offers a full range of 3- and 4-cylinder A Series engines ranging from 31 to 60 hp (23-45 kW) with up to 135 lb-ft (183 N•m) of peak torque. Nearly every option imaginable is available to provide a high level of installation flexibility. Plus, our application engineers, installation software tools and web sites can help you optimize the performance of your equipment to meet specific application needs.

It's a total package that delivers an immediate benefit to your customers – and long-term benefits for your company.

Higher Performance At 31 hp.

The A1700 is now offered at 31 hp (23 kW), in addition to the 37-hp (28 kW) rating. This creates an added advantage for construction and agriculture markets, as the new rating will deliver a 30% torque rise. The 31-hp A1400 will continue to be offered, but only for use in G-Drive applications.



Ratings

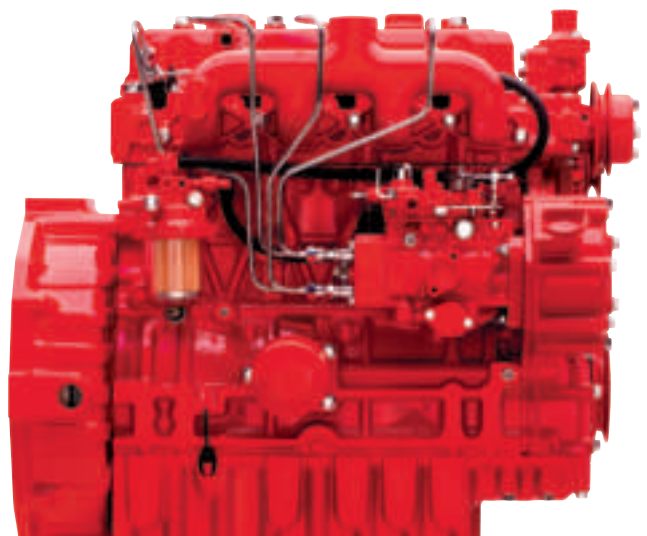
ENGINE MODEL	ADVERTISED HP (KW) @ RPM	PEAK TORQUE LB-FT (N•M) @ RPM	TORQUE RISE
A2300*	60 (45) @ 2800	135 (183) @ 1600	21%
A2300	48 (36) @ 2800	111 (150) @ 1600	18%
A2000	45 (34) @ 2800	103 (140) @ 1600	23%
A1700	37 (28) @ 2800	81 (110) @ 1600	19%
A1700	31 (23) @ 2800	73 (99) @ 1600	30%

*Indicates turbocharged. All others are naturally aspirated. Additional ratings may be available. Check with your Cummins distributor or dealer.

Specifications

ADVERTISED HORSEPOWER	31-60 HP	23-45 kW
PEAK TORQUE	73-135 LB-FT	99-183 N•M
NUMBER OF CYLINDERS	3-4	
OIL SYSTEM CAPACITY	5-7.5 U.S. QT	4.8-7 L*
LENGTH	20.9-24.9 IN	530-633 MM
WIDTH	19.0-20.7 IN	484-526 MM
HEIGHT	25.0-27.3 IN	636-694 MM
WET WEIGHT	414-461 LB	188-209 KG

*L = Liters/Litres



Features And Benefits.

Cummins A Series engines have been proven through countless hours of field-testing, customer installation, and factory performance testing as well as severe thermal cycle testing. Indirect fuel injection 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:

- Camshaft, crankshaft and rods are all made of forged steel, and the pistons are a one-piece aluminum design for strength and heavy-duty durability
- Cast-iron crossflow 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
- Recommended maintenance intervals are at the standard 250 hours or at 3-month intervals

Options.

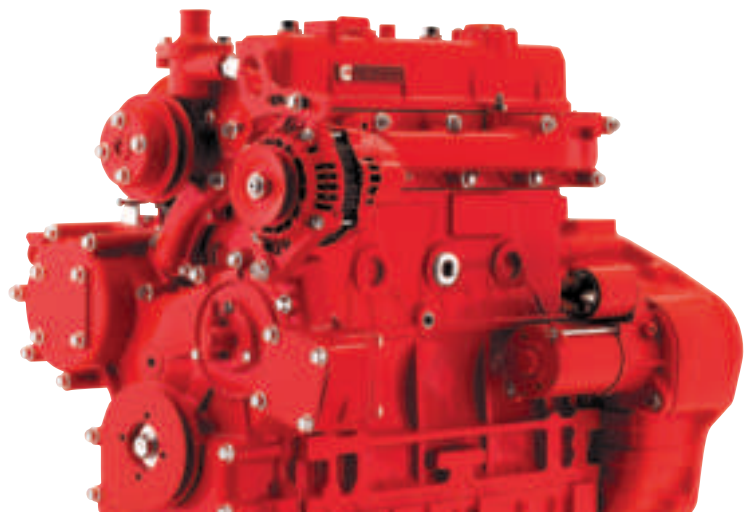
In addition to the small footprint and compact size of these engines, the A Series offers the following options:

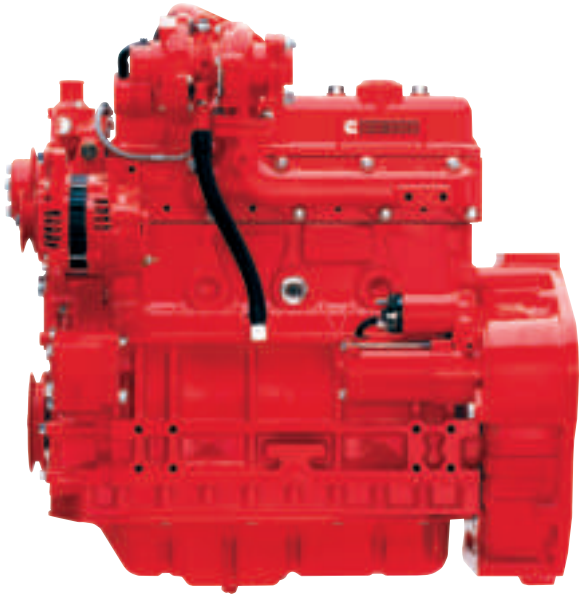
- Gear-driven hydraulic pump drives with front- and rear-mounting capabilities
- Fan height and drive ratio
- Fans and spacers
- Single-side service with lube filter, fuel filter, dipstick and top/side oil fill options
- Glow plugs and other cold-start aids
- Exhaust systems and connections (up or side-out)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

The Cummins Installation Advantage.

Cummins provides a complete package of services and software to help OEM engineers integrate and optimize A Series engines to their equipment. These include our own staff of application engineers, Advisor software and Web-based tools that provide timely assistance to manufacturers everywhere around the globe. This suite of products and services gives more engineering uptime, allowing the OEM staff to spend more time on their equipment and less on the engine.

The Cummins advantage starts with Cummins Advisor, a software tool that puts a virtual engineer on the OEM team. This program gives OEM customers the ability to model every installation for virtually every piece of equipment. After taking into account operating conditions, load factor and duty cycle, Advisor guides the user to the best engine and rating match for the equipment. Advisor then builds a virtual model of the intake, exhaust, cooling, fuel and mounting systems to ensure compatibility with other subsystems. If there is a potential issue, Advisor lists alternate options calculated to achieve the performance goals you and your customers expect. This analysis-led approach validates your engine design before you even build a prototype, saving you time and money in the pre-production phase. Most important, it results in equipment that is fully capable of meeting customer expectations – every time.





The Cummins Service Advantage.

When you install a Cummins A Series engine in your equipment, your customers benefit from the most comprehensive customer support in the world.

Cummins has over 5,500 authorized service outlets worldwide, more than any other engine manufacturer, each with a full inventory of Genuine Cummins new and ReCon® parts in stock.

For customers who prefer to do business online, our QuickServe® Online web site (quickserve.cummins.com) is available 24/7 with parts-ordering information, service bulletins, engineering diagrams and more.

Every one of our A Series engines is backed by a comprehensive Cummins warranty that covers all Cummins-branded components, including electrics such as starters and alternators, and is good for unlimited hours during the first year and 2,000 hours (cumulative) through the second. Major components are covered for up to three years or 3,000 hours of operation from the date your customer's A Series-powered equipment goes in service.

For customers who want additional protection, we offer Encompass extended coverage plans that include both parts and labor for A Series engines. Contact your Cummins distributor or dealer for details.



When your customers have engine-related questions, our Customer Assistance Center is readily available to provide technical assistance, help locate service outlets and provide product literature. Here are the toll-free numbers for each region:

North America

1-800-DIESELS (1-800-343-7357)

Europe, Middle East, Africa

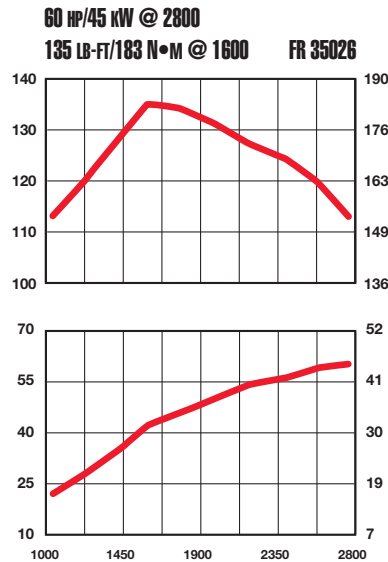
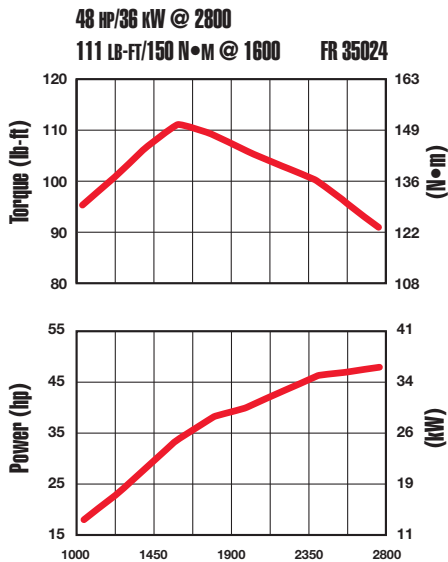
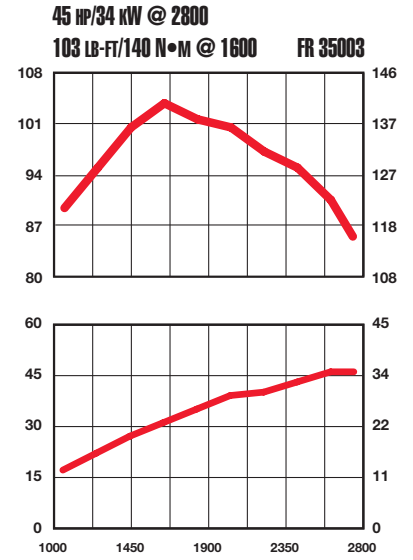
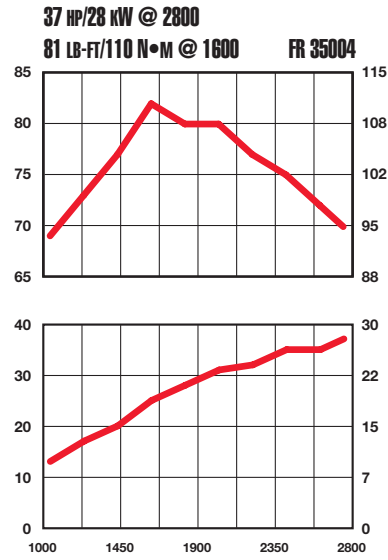
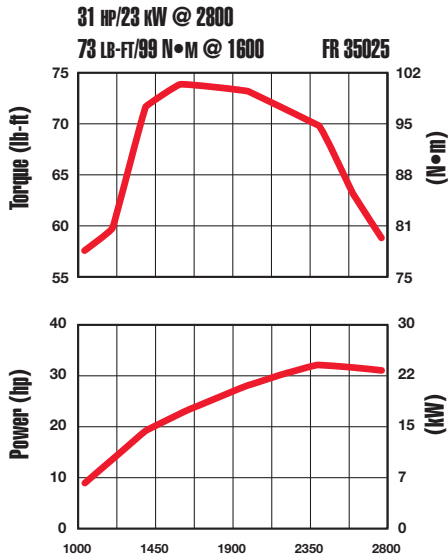
+44 (0) 1327 886464

E-mail: cabo.customerassistance@cummins.com

We even make it easy for customers to register their engines at everytime.cummins.com.

If you're looking to get every advantage for your customers, you can't do better than Cummins A Series engines.

TORQUE AND POWER CURVES.





Cummins Inc.
Box 3005
Columbus, IN 47202-3005
U.S.A.

Phone: 1-800-DIESELS (1-800-343-7357)
Fax: 1-800-232-6393
Internet: everytime.cummins.com

Cummins Ltd
UK

Phone: +44 (0) 1327 886464
Fax: +44 (0) 870 2413180

For other countries, see everytime.cummins.com/customercenter

Bulletin 4087024 Printed in U.S.A. Rev 3/08
©2008 Cummins Inc.