



EVERY TON.

QST30



FOR MINING APPLICATIONS

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QST30

The mining business depends on people and equipment that can get the job done every day. The Cummins QST30 is proven diesel power you can count on for around-the-clock performance, around the globe, in the toughest possible conditions. Known for its flexible calibrations, excellent power density, economical operation and exceptional uptime, the QST30 sets the standard for rugged dependable power. Every day. Every week. Every year.

Performance.

Cummins QST30 shares the proven power cylinder design of the workhorse QSK78 engine, for reliability and durability you can count on. Its heavy-duty components make the QST30 the right choice for your mining operation. No matter how demanding your application, the QST30 combines the full-authority Quantum System with higher horsepower and robust torque to handle every challenge. Plus, the QST30 meets every current EPA standard for Tier 1.

Versatility.

The QST30 is an excellent choice for a number of different mining applications – and for replacing an older engine. The QST30 gives you up to 25% more power and torque, better fuel economy and longer service intervals than the engine it replaces.



Ratings

ENGINE MODEL	ADVERTISED HP (KW) @ RPM	PEAK TORQUE LB-FT (N•M) @ RPM
QST30-C1200	1200 (895) @ 2100	3750 (5084) @ 1400
QST30-C760	760 (567) @ 2100	2471 (3350) @ 1000

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

Specifications

ENGINE TYPE	VEE, 6-CYLINDER	
DISPLACEMENT	1861 CU IN	30.5 LITERS
ADVERTISED HORSEPOWER	760-1200 HP	567-895 KW
PEAK TORQUE	2471-3750 LB-FT	3350-5084 N•M
BORE AND STROKE	5.51 IN X 6.50 IN	140 MM X 165 MM
ASPIRATION	TURBOCHARGED/CHARGE AIR COOLED/2P2L	
OIL SYSTEM CAPACITY	139.5 U.S. QT	132 LITERS
COOLANT CAPACITY	88.8 U.S. QT	84 LITERS
LENGTH	76.1 IN	1933 MM
WIDTH	59.3 IN	1506 MM
HEIGHT	69.3 IN	1760 MM
WET WEIGHT	7,434 LB	3,372 KG

Features And Benefits.

- Holset HX60 Turbocharger – Designed for improved air handling with an extended life-to-rebuild.
- Full-Authority Electronic Controls – CELECT™ electronic systems provide engine control and monitoring for superior performance, fuel efficiency, diagnostics and prognostics. Programmable parameters let you customize engine performance.
- CENSE™ – Allows you to monitor engine operation cylinder-by-cylinder on a real-time basis. Also provides trending charts for preventive maintenance planning.
- Ductile Iron Pistons – Provide increased strength and durability to handle increased cylinder pressures for longer life-to-overhaul, while allowing higher ratings over larger-displacement engines with aluminum pistons.
- Fuel Pump – Highly reliable and durable. Provides the increased injection pressures needed for higher horsepower with lower emissions.
- Advanced Valve Metallurgy – Exhaust valves are stellite-faced for longer life. Intake valves have a nitride coating, with triballoy valve seats and chrome stems for reduced wear.
- High-Capacity Oil Pump and Pan – Provide superior lubrication for longer component life and extended service intervals.
- Swirl-Port Cylinder Head – Provides advanced airflow to reduce emissions and increase low-end torque.
- Prelub Starter – Prevents starts without oil pressure and dry starts, resulting in increased life-to-rebuild.
- Grid Heater Option – Eliminates the need for ether and will start the engine down to -20°F (-29°C).
- Fleetguard® ES Filtration – Fleetguard's ES oil filter can keep your equipment on the job up to 1,000 hours between filter changes, if equipped with CENTINEL™ (depending on load factors). Combination full-flow and bypass design simplifies service and reduces replacement costs.
- CENTINEL Advanced Engine Oil Management System – Allows customers to extend oil change intervals up to 4,000 hours. Fully integrated design modulates burn rate based on load factors.

Maintenance And Service.

Minimum maintenance has been designed into every QST30 engine. The QST30 fuel filter is just one of many standard features that minimize downtime for maintenance. The filter incorporates an integral water separator and a water-in-fuel sensor to help protect against damage from water contamination. An integrated water pump, lube pump and cooler housings, and coolant bypass eliminate possible leak points. QST30 engines are designed to run up to 500 hours between scheduled maintenance stops.

MiningGateway.com.

Whether you are in your office or at home, MiningGateway.com gives you access to a complete mining information station with links to current news stories of interest, maintenance updates and success stories from



Cummins users around the world. In addition, there is a forum where you can talk to Cummins mining experts and ask them your toughest questions. Every time.

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.

The Cummins QuickServe® Commitment.

Cummins QuickServe offers you factory-certified technicians, the most sophisticated diagnostic and repair tools in the industry, and the largest international parts and service network of any engine manufacturer. Our worldwide team of mobile service technicians is always ready to deliver service when and where you need it. Every minute. Every day. Every year.

Cummins QuickCheck III.

Questions about engine information? Cummins QuickCheck III* puts every answer in the palm of your hand! QuickCheck III software, together with your PDA handheld device, reads and captures engine data quickly and conveniently from any Cummins electronic diesel engine or other engines you run (via J2587 and J1939). Use it to check everything from fuel burned and total engine hours to coolant temperature and boost pressure. QuickCheck III even logs fault codes, which can be used with Cummins INSITE™ to get detailed repair instructions for faster service.



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

Base Warranty.

QST30 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 10,000 hours of operation from the time your QST30 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 10,000 hours of operation.

Encompass Protection Plans.

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 labor, or parts, labor and travel coverage. Encompass protection plans are available for your QST30 engine with your choice of up to three years of extended coverage with unlimited hours.

These plans cover all Cummins-manufactured components. Maintenance components are included through the end of the second year.

Encompass protection plans may be purchased up to six months after the in-service date of your QST30 engine. See your Cummins distributor for pricing. For additional details, ask to see Bulletin 3624570.

A \$300 deductible applies per service visit after the expiration of the base warranty.

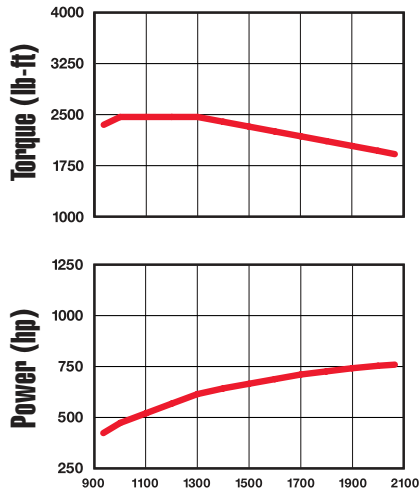
Every Question, Answered.

- MiningGateway.com – The latest Cummins mining information and current product upgrade data is available 24/7 at this web site.
- 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.
- 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.

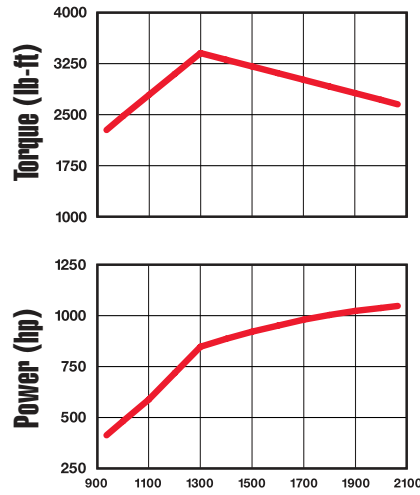


TORQUE AND POWER CURVES.

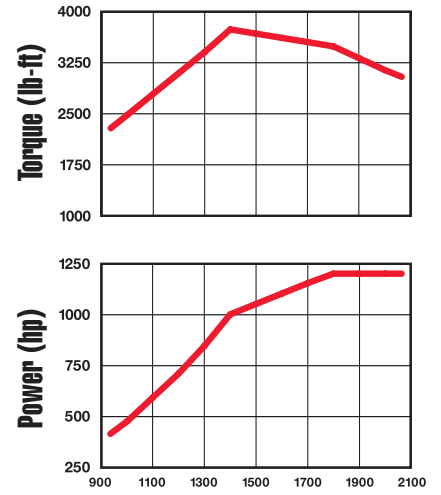
760 HP/2471@1000 FR 5176



1050 HP/3414@1300 FR 5177



1200 HP/3750@1400 FR 5189





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