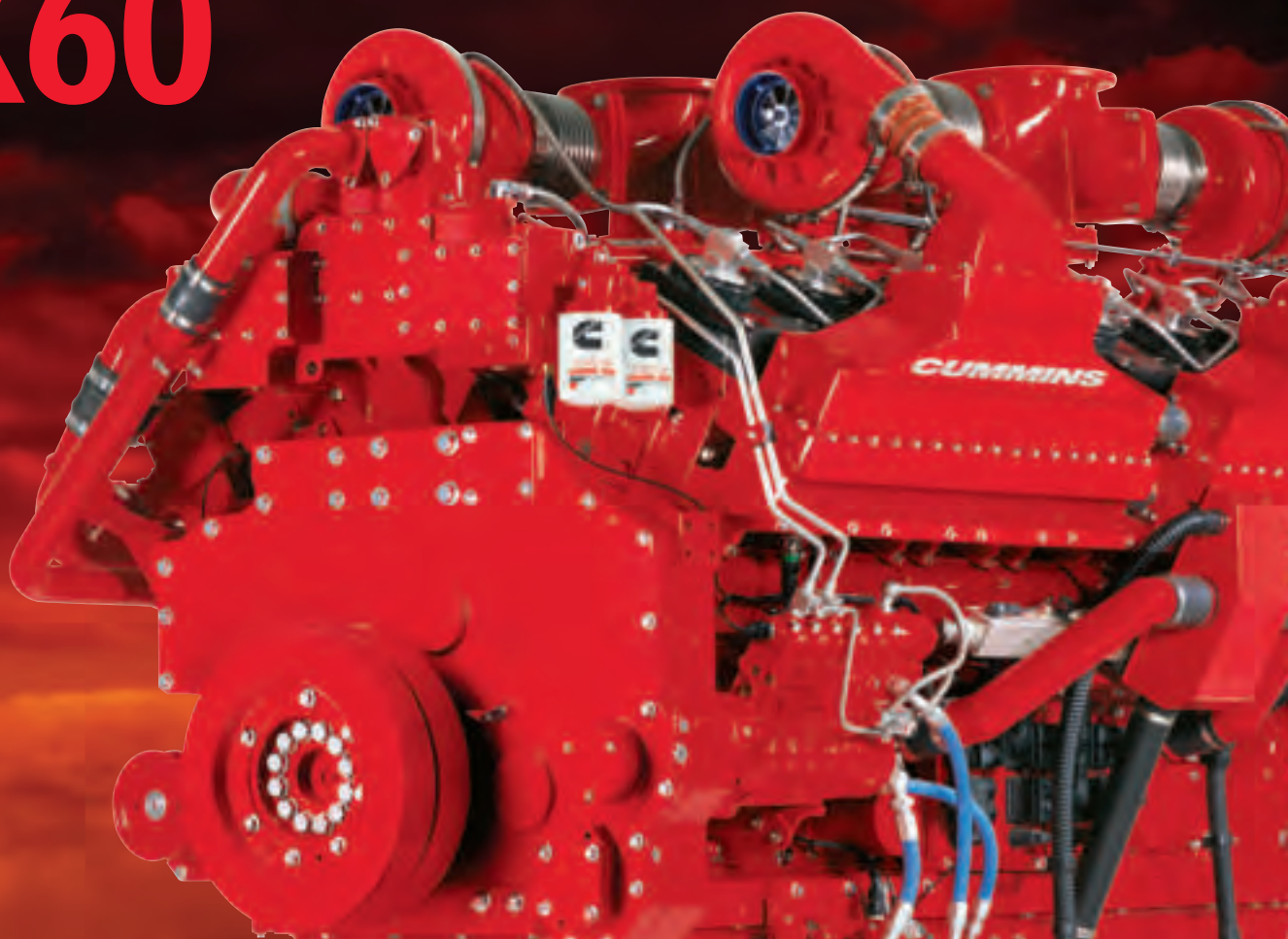




EVERY™ TON. QSK60



FOR TIER 2 MINING APPLICATIONS

FOR MINING APPLICATIONS.

QSK60

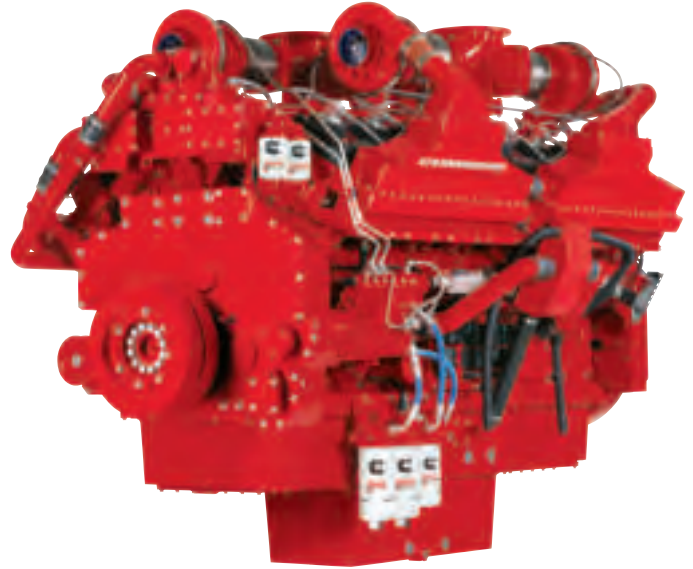
Performance.

Tough mining applications demand continuous uptime. Whether it's a front-end loader, excavator or 360-ton haul truck, the best engine for the job is a QSK60. Its V16 configuration offers up to 2850 hp (2125 kW), to easily handle high load factors. Cummins has designed and developed the QSK60 based on attributes and experience from the QSK60 HPI and the legendary K2000E to meet current and future mobile off highway emission levels.

Quantum System technology includes Advanced Engine Monitoring, a standard feature on all mining engines, that lets you monitor equipment performance on the job in real time, cylinder by cylinder. Full-authority electronic controls provide complete engine control and monitoring that automatically adjust for peak performance and fuel efficiency with full diagnostic capability. Programmable parameters let you customize engine performance to match equipment application, resulting in lower cost-per-ton performance.

Cummins Modular Common Rail fuel system improves power delivery and cold-start capability, while lowering noise and vibration. Full-authority electronic control of injection timing enables a new level of combustion efficiency capable of reaching the most advanced emissions standards. A higher degree of combustion control combined with fuel injection precision also allows these engines to handle increasing load demands more rapidly.

Cummins QSK60 sets the benchmark for mining durability and dependability with a projected life-to-overhaul of 1,000,000 gallons (3,785,414 liters) of fuel burned in large haul trucks. A sophisticated electronic control system and extended maintenance features help keep fuel economy up and operating costs down. So whether you are spec'ing new equipment or repowering an existing unit, the QSK60 is the best way to improve performance, productivity and profits.



Ratings

ENGINE MODEL	ADVERTISED HP (KW) @ RPM	PEAK TORQUE LB-FT (N•M) @ RPM	RATING TYPE
QSK60 Two-stage			
QSK60 2850	2850 (2125) @ 1900	8274 (11218) @ 1500	INTERMITTENT
QSK60 2700	2700 (2013) @ 1900	7839 (10628) @ 1500	INTERMITTENT
QSK60 2500	2500 (1864) @ 1900	7528 (9841) @ 1500	INTERMITTENT
QSK60 2250	2250 (1678) @ 1800	7528 (9841) @ 1500	CONTINUOUS
QSK60 Single-stage			
QSK60 2500	2500 (1864) @ 1900	7257 (9839) @ 1500	INTERMITTENT
QSK60 2000	2000 (1491) @ 1900	6169 (8364) @ 1500	CONTINUOUS
QSK60 2000	1944 (1450) @ 1800	6169 (8364) @ 1500	CONTINUOUS
QSK60 1875	1875 (1398) @ 1800	6169 (8364) @ 1500	CONTINUOUS
QSK60 1782	1782 (1329) @ 1900	6274 (8506) @ 1500	INTERMITTENT

Additional ratings may be available. Check with your Cummins distributor or dealer.

Specifications

ENGINE TYPE	VEE, 4-CYCLE 16-CYLINDER	
DISPLACEMENT	3,661 CU IN (60.0 LITERS)	
BORE AND STROKE	6.26 IN X 7.48 IN (159 MM X 190 MM)	
OIL SYSTEM CAPACITY	275 U.S. QT (260 LITERS)	
LENGTH	115.4 IN (2931 MM)	
WIDTH	62.3 IN (1582 MM)	
ASPIRATION	SINGLE-STAGE TURBOCHARGED AFTERCOOLED	TWO-STAGE TURBOCHARGED AFTERCOOLED AND INTERCOOLED
COOLANT CAPACITY	184 U.S. QT (174 LITERS)	214 U.S. QT (203 LITERS)
HEIGHT	79 IN (2014 MM)	91 IN (2315 MM)
DRY WEIGHT	14,900 LB (6759 KG)	17,175 LB (7794 KG)
WET WEIGHT	18,893 LB (8570 KG)	21,207 LB (9616 KG)

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

Features And Benefits.

- Advanced Modular Common Rail (MCR) fuel injection system generates cleaner, quieter and more efficient power.
- State-of-the-art combustion control system features enhanced electronics integrated with upgraded sensors and powerful Electronic Control Modules (ECM) for peak performance at high altitudes and under every load condition.
- Turbochargers from Cummins Turbo Technologies available in either single or two stage configurations. Single-stage turbocharging uses low temperature aftercooling to reduce mechanical and thermal stress. Two-stage turbocharging with intercooling and aftercooling is available for high-altitude and high-power applications.
- One-piece cast-iron cylinder block designed to absorb dynamic internal forces. Wide cylinder spacing allows for multiple full-life overhauls and improved coolant flow for reliability.
- Ferrous Cast Ductile (FCD) iron pistons provide increased strength and durability to handle increased cylinder pressures for longer life-to-overhaul.
- Dual piston-cooling nozzles per cylinder direct a cooling stream of oil beneath each piston crown and bowl rim for long life with increased reliability.
- Forged high-strength tensile steel crankshaft with dual viscous dampers to reduce gear train wear and tungsten counterweights to provide vibration damping for long engine and equipment life.
- Heavy-duty front gear train has low gear loading and high fatigue strength for dependable service.
- Longer service intervals are achieved with optional Centriguard™ centrifuge filters, the CENTINEL™ continuous oil replacement system and the self-cleaning ELIMINATOR™ full-flow/bypass filtration system.



A Name You Can Trust. Every Time. Everywhere.

Cummins possesses a vast amount of knowledge in mine operations. We are ready to assist you with experienced and dedicated local mining business leaders and high-horsepower engine technical support – fully backed by the strength of Cummins industry-leading technology and total support of top management. When you buy a piece of equipment with a Cummins QSK60, you get more than just an engine. You get:

- Full life cycle support, with proven engineering expertise from engine commissioning through final overhaul.
- Immediate parts and service availability.
- An established worldwide network with over 500 distributor facilities in nearly 190 countries dedicated and empowered to service your needs. Every hour, every day.
- The best warranty in the business, which includes full coverage for two years or 2,000 hours of operation, whichever occurs first. If the 2,000 hour limit is exceeded during the first year, coverage continues until the end of the first year. The base warranty also includes 3-year/10,000-hour standard protection on major components. Extended warranties are available.

With the strength of Cummins at your side, your mine can process more material with increased uptime and greater productivity at a low cost per ton. Most important, our worldwide presence and comprehensive support make Cummins a proven, committed mining partner you can always depend on.

For more about the proven advantages of Cummins QSK60 and all our advanced technology for mining applications, see your local Cummins distributor.



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Bulletin 4087056 Printed in U.S.A. Rev. 6/10
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