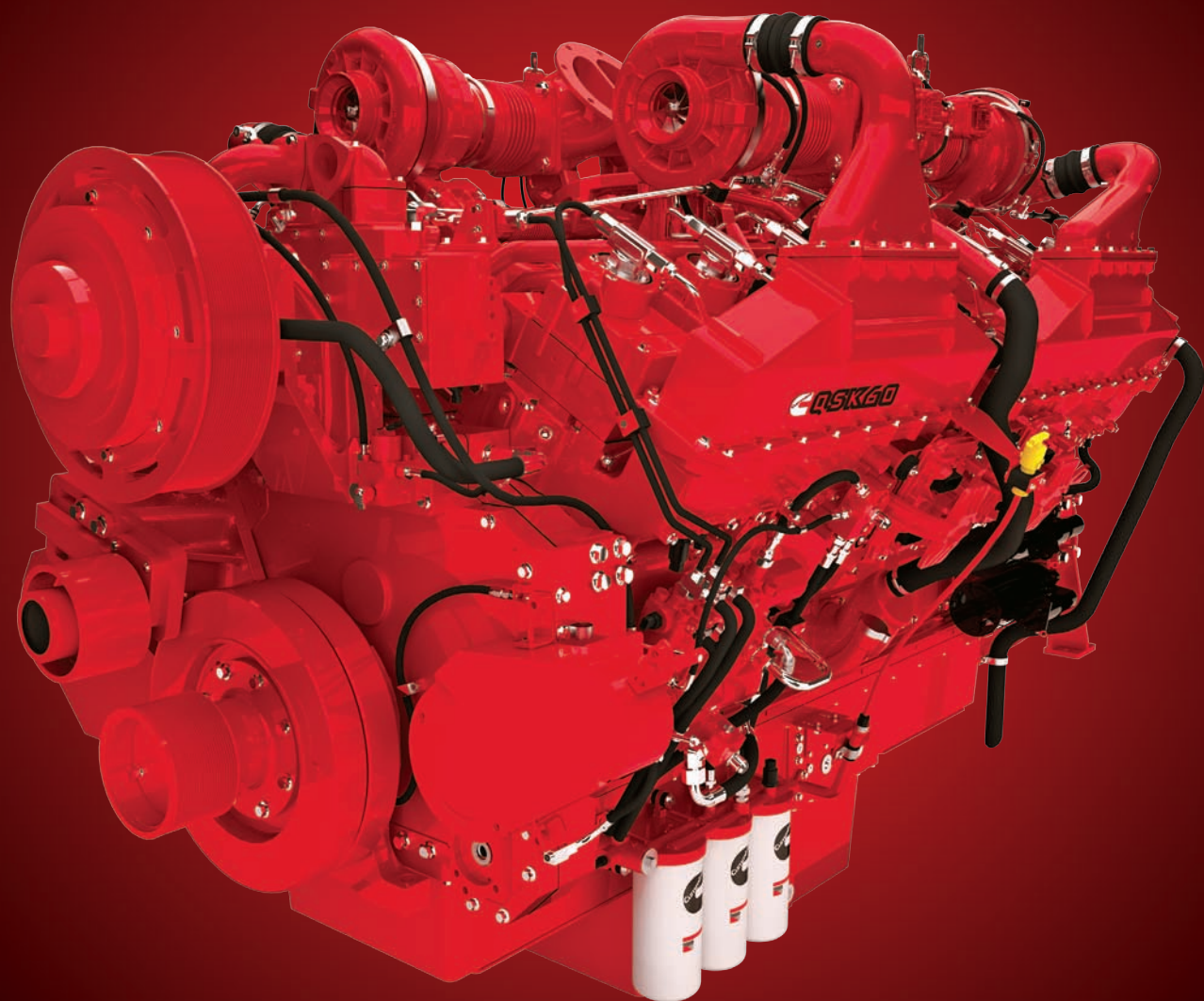




Performance That Pays.

QSK60 Tier 4 Final For Mining Applications.
1875-2850 HP (1398-2125 kW).



Performance That Pays.

In demanding mining applications such as excavators, haul trucks and wheel loaders, dependability is everything. That's where the superior uptime and productivity of the Tier 4 Final QSK60 make a difference. Its V16 configuration offers up to 2850 hp (2125 kW) in mining applications, with simplified air handling, reduced complexity and improved serviceability. The proven QSK60 platform delivers high reliability and outstanding durability, with no loss of power or torque. Heat rejection is similar to the Tier 2 engine, so there is no need to re-engineer the cooling package. The fully integrated aftertreatment unit replaces the muffler in your equipment, minimizing design modifications. The combination of higher productivity and lower operating costs is performance that pays.

■ **Base engine** – A redesigned power cylinder, optimized wastegate turbocharger and improved crankcase breather system work to keep particulate matter (PM) levels low while maintaining durability and reliability. The QSK60 achieves nearly 1.1 million gallons-to-overhaul.

■ **Fuel system** – The Cummins Modular Common Rail Fuel System (MCRS) uses increased injection pressure and larger injector accumulator volume, for reduced PM and improved fuel economy. The leakless injector has increased fueling precision and timing control, for reduced parasitic losses, reduced fuel heating and improved fuel economy. An improved pilot valve resists wear, for enhanced reliability and durability. The fuel pump has an improved tappet design and fuel cooling of pumping elements, which contribute to longer component life.

■ **Air handling** – The simplified configuration of the wastegate turbochargers and intercoolers allows access to the top end of the QSK60 without removal of the air-handling system, even on our two-stage engines. Its altitude capacity exceeds the 10,500-ft requirement for Tier 4 Final engines in North America.

■ **Lubrication and filtration** – NanoNet® filtration captures and retains more harmful particles than traditional media, for longer fuel pump and injector life with better reliability. Oil and fuel filter change intervals have been increased to 500 hours.

■ **Selective Catalytic Reduction (SCR)** – Cummins modular SCR system features an integrated decomposition chamber and a Cummins airless Diesel Exhaust Fluid (DEF) dosing system designed to last the life of the engine. The use of SCR minimizes engine backpressure, for increased fuel economy. Optimized temperature management minimizes DEF consumption.

Every Customer. Supported.

Cummins high-horsepower engines are supported through our network of more than 600 global authorized distributor locations. Cummins-certified technicians are fully trained and equipped with the latest diagnostic tools, for fast, accurate service to support customers around the globe.

Every Question. Answered.

For additional details about the Cummins Tier 4 Final QSK60 for use in mining applications, contact your local Cummins distributor or visit cumminsengines.com.

QSK60 Specifications

Engine type	60° vee, 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	261 liters
Coolant capacity	180 U.S. qt	170 liters
Aspiration	Single-stage Turbocharged Aftercooled	Two-stage Turbocharged Aftercooled and Intercooled
Length	114.7 in (2,914 mm)	114.3 in (2,903 mm)
Width	68.5 in (1,740 mm)	68.6 in (1,742 mm)
Height	83.6 in (2,123 mm)	82.9 in (2,106 mm)
Dry weight	17,857 lb (8,100 kg)	19,423 lb (8,810 kg)
Wet weight	18,858 lb (8,554 kg)	20,424 lb (9,264 kg)

QSK60 Ratings

Model	Advertised power bhp (kW)	Peak torque lb-ft (N•m)	Turbo Arrangement
QSK60-1875	1875 (1398) @ 1800	6169 (8364) @ 1500	Single-stage
QSK60-1944	1944 (1450) @ 1800	6169 (8364) @ 1500	Single-stage
QSK60-2000	2000 (1491) @ 1800	6570 (8907) @ 1500	Single-stage
QSK60-2300	2300 (1715) @ 1800	6677 (9053) @ 1500	Single-stage
QSK60-2500	2500 (1864) @ 1900	7257 (9839) @ 1500	Single-stage
QSK60-2700	2700 (2013) @ 1900	8267 (11208) @ 1500	Two-stage
QSK60-2850	2850 (2125) @ 1900	8274 (11218) @ 1500	Two-stage



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