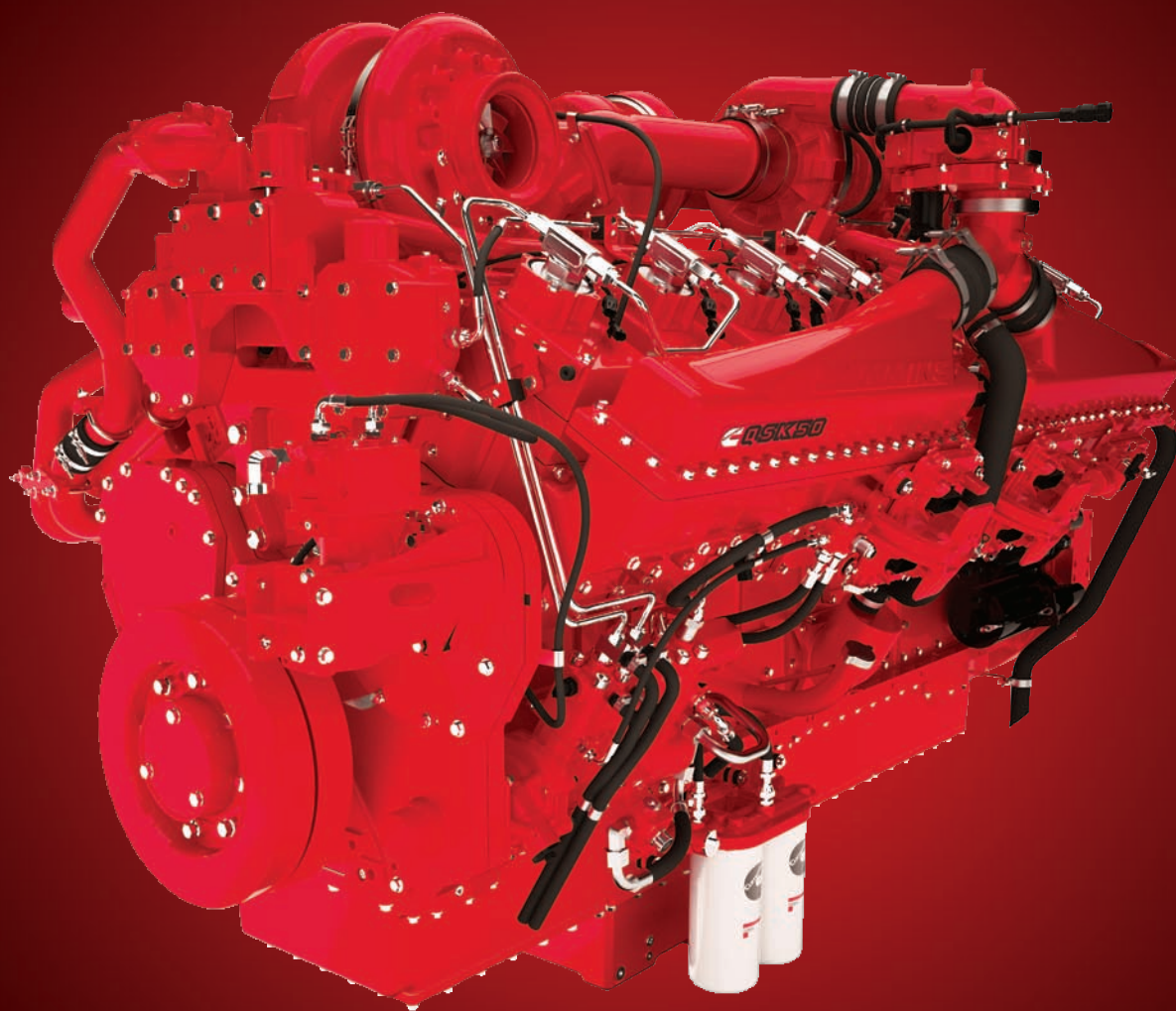




Performance That Pays.

QSK50 Tier 4 Final For Mining Applications.
1500-2000 HP (1119-1491 kW).



Performance That Pays.

In demanding mining applications, dependability is everything. That's where the superior uptime and productivity of the Tier 4 Final QSK50 make the difference. Its V16 configuration offers up to 2000 hp (1491 kW) – an excellent choice for mining applications.

Tier 4 Final – A Clear Advantage.

The QSK50 meets U.S. Environmental Protection Agency (EPA) Tier 4 Final regulations with a combination of precise in-cylinder combustion to control particulate matter (PM) and Selective Catalytic Reduction (SCR) to reduce oxides of nitrogen (NOx). The QSK50 continues to deliver the high reliability and outstanding durability you have come to expect, with no loss of power or torque. Heat-rejection levels are similar to those of the Tier 2 engine, as well, so there is no need to re-engineer the cooling package. Cummins Tier 4 Final drop-in design replaces the engine and muffler in your equipment, minimizing complexity and simplifying maintenance.

■ **Base engine** – Redesigned power cylinder, optimized turbomachinery and improved crankcase breather system provide low PM generation while maintaining durability and reliability. The QSK50 achieves nearly 1 million gallons of fuel-to-overhaul.

■ **Fuel system** – The more efficient Cummins Modular Common-Rail Fuel System (MCRS) features increased injection pressure and larger injector accumulator volume, for reduced particulate emissions and improved fuel economy. The leakless injector features increased fueling precision and timing control, for reduced parasitic losses, reduced fuel heating and improved fuel economy. Cummins NanoNet® filtration protects the fuel pump and injectors by capturing and retaining more harmful particles than traditional media, for long life and reliability.

■ **Selective Catalytic Reduction (SCR)** – Cummins modular SCR design, featuring an integrated decomposition chamber and Cummins airless Diesel Exhaust Fluid (DEF) dosing system, is designed to last the life of the engine. Simple and durable, Cummins SCR reduces NOx with low backpressure, for enhanced fuel economy. This technology has been proven with billions of hours of reliable and robust operation in markets around the world.

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 QSK50 for use in mining applications, contact your local Cummins distributor or visit cumminsengines.com.

QSK50 Specifications

Engine type	60° vee, 16-cylinder	
Displacement	3,067 cu in	50.25 liters
Bore and stroke	6.26 in x 6.26 in	159 mm x 159 mm
Oil system capacity	216 U.S. qt	204 liters
Coolant capacity	180 U.S. qt	170 liters
Aspiration	Single-stage Turbocharged Aftercooled	Two-stage Turbocharged Aftercooled and Intercooled
Length	112 in (2,845 mm)	105 in (2,667 mm)
Width	61 in (1,549 mm)	73 in (1,854 mm)
Height	71 in (1,803 mm)	74 in (1,880 mm)
Dry weight	13,161 lb (5,970 kg)	14,193 lb (6,437 kg)
Wet weight	14,217 lb (6,449 kg)	14,980 lb (6,795 kg)

QSK50 Ratings

Model	Advertised power bhp (kW)	Peak torque lb-ft (N•m)	Turbo Arrangement
QSK50-1500	1500 (1119) @ 1800	4846 (6570) @ 1400	Single-stage
QSK50-1600	1600 (1193) @ 1800	5041 (6834) @ 1500	Single-stage
QSK50-1675	1675 (1249) @ 1800	5375 (7288) @ 1500	Two-stage
QSK50-2000	2000 (1491) @ 1900	5085 (6894) @ 1500	Two-stage



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