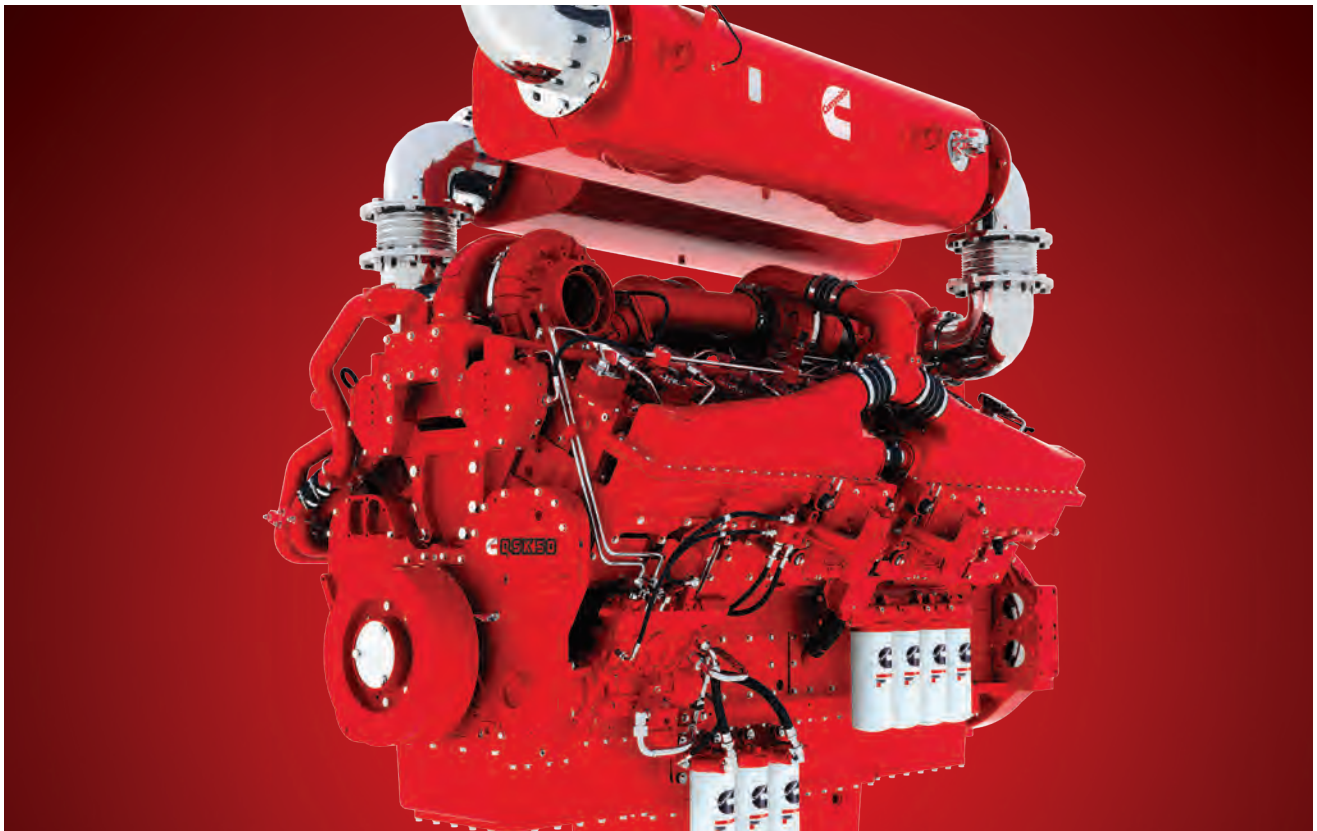


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# QSK50 TIER 4 FINAL FOR OIL AND GAS APPLICATIONS

2250-2500 HP (1678-1864 kW)

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## **OUTWORK. OUTRUN. OUTPERFORM.**

In demanding oil and gas 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 2500 hp (1864 kW) – an excellent choice for tough hydraulic fracturing jobs to drilling and gas compression.



## TIER 4 FINAL – A CLEAR ADVANTAGE

The QSK50 meets U.S. Environmental Protection Agency (EPA) Tier 4 Final regulations with a combination of precise high-temperature in-cylinder combustion to control particulate matter (PM), and Selective Catalytic Reduction (SCR) to reduce oxides of nitrogen (NOx). So 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 provides 1 million gallons of fuel to overhaul.
- Fuel system** — The more efficient Cummins modular common-rail fuel system 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 catalyst provides additional PM reduction and low backpressure for enhanced fuel economy. It's proven in many markets with billions of hours of reliable, robust operation around the world.

## EVERY CUSTOMER. SUPPORTED.

Cummins high-horsepower engines are supported through our network of more than 600 authorized distributors. Cummins-certified technicians are fully trained and experienced at working on this type of equipment, and they are equipped with the latest diagnostic tools for fast, accurate service.

## EVERY QUESTION. ANSWERED.

For additional details about the Cummins Tier 4 Final QSK50 for use in oil and gas applications, call 1-800-DIESELS™ (1-800-343-7357) or visit [CumminsOilandGas.com](http://CumminsOilandGas.com).

QSK50 SPECIFICATIONS		
<b>Engine type</b>	60° vee, 16-cylinder	
<b>Displacement</b>	3,066.4 cu in	50.25 liters
<b>Bore and stroke</b>	6.25 in x 6.25 in	159 mm x 159 mm
<b>Oil system capacity</b>	216 U.S. qt	204 liters
<b>Coolant capacity</b>	180 U.S. qt	170 liters
<b>Aspiration</b>	Single-stage Turbocharged Aftercooled	Two-stage Turbocharged Aftercooled and Intercooled
<b>Length</b>	102.7 in	2,609 mm
<b>Width</b>	58.7 in (1,491 mm)	57.9 (1,471 mm)
<b>Height</b>	75.2 in (1,910 mm)	74.7 in (1,897 mm)
<b>Dry weight</b>	13,822 lb (6,270 kg)	12,698 lb (5,760 kg)
<b>Wet weight</b>	14,808 lb (6,717 kg)	13,590 lb (6,164 kg)

QSK50 RATINGS			
Model	Advertised power bhp (kW)	Peak torque lb-ft (N•m)	Turbo Arrangement
QSK50-2500	2500 (1864) @ 1900	7080 (9599) @ 1500	Two-stage
QSK50-2300	2300 (1715) @ 1900	6299 (8540) @ 1500	Two-stage
QSK50-2250	2250 (1678) @ 1900	6299 (8540) @ 1500	Two-stage



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