

# QSK38

## Drilling Engine.



Model	Certification	HP	kW	Max Rated Speed (RPM)	Fuel Consumption at Rated Speed
QSK38	EPA Tier 2	920	686	1200	0.348 lb/hp-hr (211.7 g/kW-hr)
QSK38	EPA Tier 2	1086	810	1800	0.358 lb/hp-hr (217.8 g/kW-hr)
QSK38	EPA Tier 2	1260	940	1800	0.352 lb/hp-hr (214.1 g/kW-hr)

## About the QSK38.

Whether running mudpumps and drawworks on mechanical installations or driving Power Modules for electric rigs, the Cummins QSK38 engines provide optimum performance, reliability, and versatility for drilling.

The QSK38 high-pressure injection system and electronic controls ensure clean, powerful and efficient operation every time. The Electronic Control Module (ECM) continuously monitors data from strategically placed sensors within the engine, optimizing the fuel-to-air mixture for maximum combustion. Fuel is injected at pressures exceeding 25,000 psi. This results in better utilization of fuel with fewer emissions. Getting more energy out of every drop of diesel fuel also results in greater power.

## Features.

### Full-Authority Electronic Controls

Programmable controls optimize combustion based on engine load and atmospheric conditions that also provide advanced monitoring, diagnostic, prognostic and reporting capabilities, with engine protection features.

### Single-Stage Holset Turbocharger

Lower intake air temperatures provide increased air density, resulting in more power and lower emissions.

### Two-Stage Oil Filter

Combination full-flow and bypass oil filter reduces maintenance costs as it extends service intervals.

### Longer-Lasting Intake and Exhaust Valves

Valves and seats are machined out of select materials for longer life. Rotators on both intake and exhaust ensure uniform wear.

### Precision-Honed Cylinder Liners

Precise liner machining with superior metal technology creates exceptional surface smoothness and durability.

### Articulated Steel Pistons

30% longer life, increased reliability and improved combustion are a result of the two-piece piston design.

### Extra-Wide Gear Train

The gear train is quieter, longer-lasting and capable of handling high loads of injector pressures with ease.



# Specifications.

## Engine Type

- V-configuration, 4-Cycle, 12-Cylinder

## Certification

- Engine certified to U.S. EPA Nonroad Source Emissions Standards, 40 CFR 89, Tier 2

## Displacement

- 2307 cubic in (38 liters)

## Bore and Stroke

- 6.26 in x 6.26 in (159 mm x 159 mm)

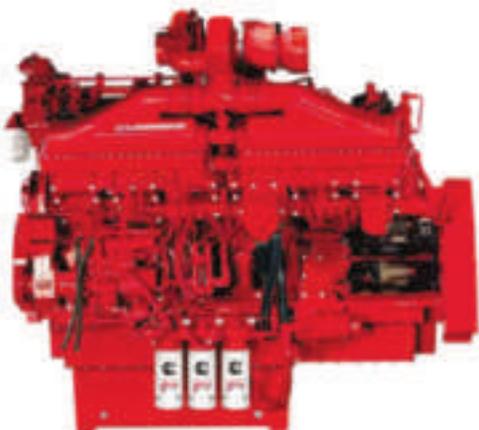
## Aspiration

- Turbo charged and aftercooled

# Dimensions.

Length	87 in	2209 mm
Width	57.2 in	1452 mm
Height	72.7 in	1846 mm
Weight (wet)	9039 lbs	4100 kg

\* Dimensions and weight will vary by engine configuration.



# The Cummins Advantage.

## QuickServe® Online(quickserve.cummins.com)



- QuickServe® Online gives easy access to parts and service information for all Cummins engines. Find the information you need with our high-speed search function and your engine serial number.

## Cummins Online Product Registration

- Register your Cummins engine quickly and easily on our website to ensure quality parts and service.

## Distributor Expertise

- The best source for service, parts and application assistance. To find your nearest Cummins distributor, go to the Worldwide Service Locator at [wsl.cummins.com](http://wsl.cummins.com).

## Global Support Network

- Backed by the strength of Cummins distribution network.

## Global Warranty

- Cummins engines include a comprehensive, worldwide warranty. Every QSK19 engine comes with a 2-year/2,000-hour base warranty, with 3-year/10,000-hour standard protection on major components.



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Bulletin 4087185 Printed in U.S.A. 9/10  
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