



Built tough. Works hard.

QSK38 Tier 4 engine for mining applications



It gets the job done

The QSK38 has a strong reputation for the most demanding applications. But in the world of mining, we know you always need more. That's why we've added technological improvements that enable more consistent power at every rpm and designed an engine that can withstand the challenging conditions mine operators face.

Real innovation. Real improvements.

The QSK38 is a proven design. But the world doesn't stand still. That's why we've added upgraded components with stronger capabilities that increase productivity without compromising durability or reliability.

Advanced Selective Catalytic Reduction (SCR) Technology

Allows the engine to meet global emissions regulations without increasing stress on the engine, increased heat rejection, or significant changes to the engine footprint, or available ratings. By using SCR technology, we are able to optimize engine performance, maximize power density and engine life equating to best-in-class cost of production (COP).

NanoNet® Advanced Media Technology

Filters out the smallest impurities that impede optimal engine performance, extending maintenance intervals and keeping your engine running longer. Extended service intervals mean less downtime



for routine maintenance and more uptime for profitable productivity.

Modular Common Rail Fuel System (MCRS)

Provides precise control of the fuel ejection event that results in lower noise, vibration and smoke, and optimized fuel economy.

Data is powerful too

Through Cummins PrevenTech® Mining, we can empower you with innovative digital solutions for remote engine monitoring, prognostics, and customer alert creation and notifications, which improve productivity, reduce costs, and optimize maintenance and servicing.

Durability built-in

Thanks to their reliable design and clever technology, the QSK38 has been proven in mines around the world time and again. No matter the mining environment, the QSK38 consistently delivers market leading availability.

NanoForce® Air Filters

Can more than double your filter life, extend maintenance intervals, keep your engine running longer and improve COP.

ELIMINATOR™ self-cleaning filtration system

Combines full-flow and bypass filters with an oil pressure-powered centrifuge; this system extends oil drain intervals and reduces consumable waste, while improving COP.

Service and support: We've got your back

Global support network

Distributor branches in over 190 countries to support your parts and service needs, no matter where your equipment is located.

Cummins Care

Our unique solutions center with experts who have specialized skill sets, experience, and in-depth knowledge, to help you problem-solve fast and assist you with your service and support needs.

Best warranty in the Industry

QSK38 engines are backed by the best warranty in the industry, with full coverage for unlimited



hours during the first year, extending through two years or 2,000 hours, whichever occurs first. Major-components coverage continues through the third year or 10,000 hours, whichever occurs first. Extended protection plans are available.

QuickServe™ Online Mobile

With Cummins, one of the most comprehensive and powerful parts and service tools in the industry is all yours.

Breaking new ground with Planet 2050

In 2014, Cummins adopted its first comprehensive sustainability plan. Planet 2050 builds on this with 2050 aims and incremental 2030 goals. One of those goals is to partner with customers to reduce greenhouse gas (GHG) emissions from products in the field by 55 million metric tons. This is accomplished by improving the efficiency of our products.

For more information on Planet 2050, visit cummins.com.



Ratings

Engine model*	Advertised HP (kW) @ RPM	Peak torque LB - FT (N•M) @ RPM
QSK38 1350	1350 (1007) @ 1800	4320 (5857) @ 1500
QSK38 1260	1260 (940) @ 1800	4054 (5496) @ 1400
QSK38 1086	1086 (810) @ 1800	3590 (4867) @ 1350

Specifications

Engine type	Vee 12-cylinder	
Aspiration	Turbocharged and aftercooled	
Displacement	2,313 CU IN	37.9 LITERS
Bore and stroke	6.25 IN x 6.25 IN	159 MM x 159 MM
Oil system capacity	175 U.S. QT	166 LITERS
Coolant capacity	129.15 U.S. QT	122.22 LITERS
Length	80 IN	2,032 MM
Width	61.5 IN	1,562 MM
Height	75 IN	1,905 MM
Dry weight	9,943 LB	4,510 KG
Wet weight	10,675 LB	4,842 KG

*Cummins customers can use Tier 2 engines in North America through 2017 by utilizing U.S. EPA's Transitional Program for Equipment Manufacturers. All QSK38 ratings are available for use in nonregulated regions where engines are not subject to certification.



Cummins Inc.
Box 3005
Columbus, IN 47202-3005
U.S.A.

cummins.com

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