Ground breaking performance all-round

QST30 Tier 4 engine for mining applications

Improving operations with real innovation

Cutting emissions, reducing costs and improving reliability and durability takes smart solutions. The QST30 features our most cutting-edge technology:

High Pressure Common Rail Fuel System (HPCR)

Advanced in-cylinder combustion technology that results in a more controlled combustion process, and smooth, quiet performance and lower operating costs with up to 8 percent better fuel economy.

Tier 4 Final/Stage V ready

Meets requirements for both standards, providing the same efficient engine for global distribution.

Reliability and durability

The QST30 is robust and has proven its durability through thousands of engines operating in haul trucks, blast hole drills, wheel loaders and excavators.

Over 30,000 sold

In the last 27 years, the QST30 has grown to become one of the most successful industrial engines in the world.

Long life expectancy

Life to overhaul is up to 20,000 hours.

Field proven value

Our engines are making a measurable difference to mining operations around the globe.

10 million operating hours

Our incredibly reliable Tier 4 high-horsepower engines have racked up exceptional amounts of time in the field, proving their reliability and worth.

50,000 tons of pollution avoided

The innovations in these engines have already saved the planet from huge amounts of particulate matter (PM) and oxides of nitrogen (NOx).

$30 million of financial gains for customers

Significant fuel savings and lower operating costs make a big impact to the bottom line.

Robust features

Our QST30 is robust and combines proven reliability and durability, as well as excellent fuel economy for the lowest cost-per-hour of operation, while delivering superior availability and uptime.

Integrated emission system

Protects engine performance and power density, while improving fuel economy over previous engine models, without increasing heat rejection or the engine footprint. This equates to a lower cost of production (COP).

Cummins HHP SCR (4000 series)

For high horsepower engines, SCR technology has proven to be a better choice because it optimizes engine performance and minimizes engine stress and wear. This enables excellent fuel economy for the lowest cost per hour of operation, while delivering superior reliability, durability, and uptime.

Longer service intervals

Delivers longer service intervals of up to 500 hours.

NanoNet® and NanoForce® filtration media

Extends maintenance intervals and more than doubles filter life, meaning engines run for longer, resulting in a lower COP.

Trust in your equipment. In mining, nothing matters more. That's why operators worldwide choose Cummins QST30 in mining applications where reliability counts.

QST30 is purposely-designed for extreme environments, with a long and distinguished track record of durability everywhere from haul trucks and blast hole drills to wheel loaders and excavators.

All with outstanding fuel economy for the lowest cost-per-hour of operation in its class.

Put the groundbreaking QST30 to work in your mining operation, and see why Cummins is always trusted.

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

QST30 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
QST30	1500 (1119) @ 1900	4877 (6612) @ 1400
QST30	1350 (1007) @ 1900	4389 (5950) @ 1400
QST30	1200 (895) @ 2100	3750 (5084) @ 1400
QST30	1050 (783) @ 2100	3414 (4629) @ 1300
QST30	1000 (746) @ 1800	3414 (4629) @ 1300
QST30	950 (708) @ 2100	3414 (4629) @ 1300

Specifications

Engine type	50° Vee 4-cycle 12-cylinder	
Aspiration	Turbocharged and charge air cooled	
Displacement	1,861 CU IN	30.5 LITERS
Bore and stroke	5.51 IN x 6.5 IN	140MM x 165MM
Oil system capacity	156 U.S. QT	148 LITERS
Coolant capacity	89 U.S. QT	84 LITERS
Length	74.3 IN	1,887 MM
Width	58.4 IN	1,483 MM
Height	68.8 IN	1,744 MM
Dry weight	6,610 LB	2,998 KG
Wet weight	7,337 LB	3,328 KG

* All QST30 ratings are available for use in nonregulated regions where engines are not subject to certification.

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