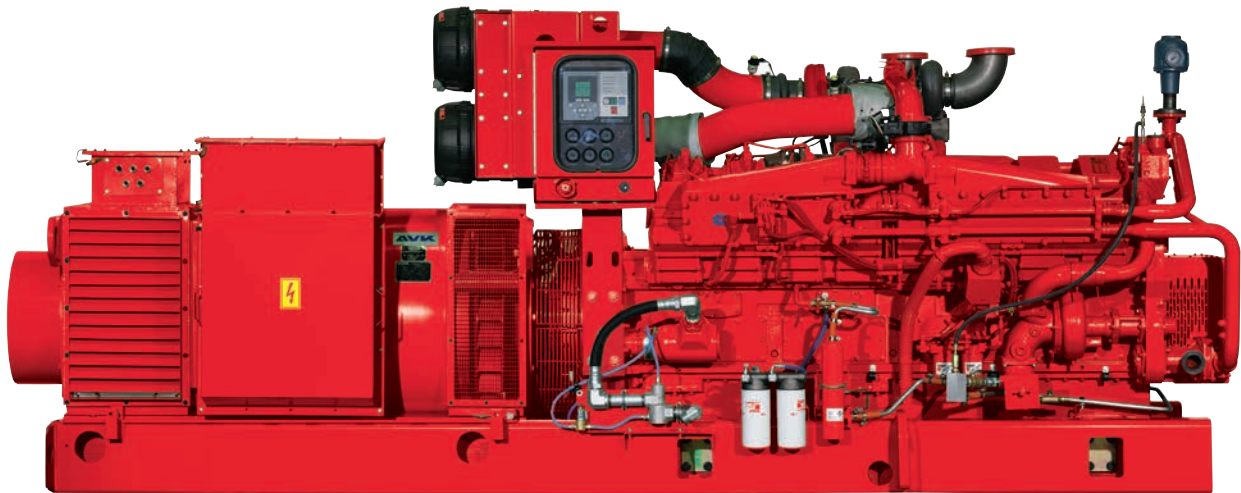


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# QSK50 U.S. EPA TIER 2

60Hz DRILLING POWER MODULE

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**CUMMINS LAND-BASED DRILLING POWER MODULES ARE DESIGNED AND TESTED BASED ON OIL-FIELD CUSTOMER REQUIREMENTS TO PROVIDE OPTIMUM PERFORMANCE, RELIABILITY AND VERSATILITY. THESE POWER MODULES DELIVER WORLD-CLASS UPTIME AND A LOW TOTAL COST OF OWNERSHIP THROUGH HIGH FUEL EFFICIENCY AND LONG LIFE-TO-OVERHAUL.**

The entire power module is designed, developed, assembled, tested, and delivered with the full force of Cummins behind it. This means that the entire power module is fully supported with parts and service available worldwide. Drilling contractors can expect seamless, consistent support wherever the rig operates.



**CUSTOM OPTIONS**

Standard specifications and options are shown. Cummins also can provide custom factory packages.

**FEATURES**

- **Cummins diesel engine** — The legendary QSK50 four-stroke diesel engine provides reliable power, delivers fast response to load changes and is compliant to U.S. Environmental Protection Agency (EPA) Tier 2 emissions standards.
- **Alternator** — Form-wound stator and rotor, designed, tested and sized for drill rig service; low waveform distortion with nonlinear loads; fault-clearing short-circuit capability.
- **Control system** — Full-authority electronic controls that provide complete engine monitoring and automatic adjustment for peak performance and fuel efficiency, plus full diagnostics and prognostics.
- **Warranty and service** — Backed by a global standard Cummins factory warranty and supported by over 600 worldwide Cummins-authorized service locations.

| RATINGS             |                    |                            |                      |
|---------------------|--------------------|----------------------------|----------------------|
| <b>Model</b>        | QSK50-DPM          | <b>Alternator rating</b>   | 1750 kVa (1225 kWe)* |
| <b>Frequency</b>    | 60 Hz              | <b>Power module rating</b> | 1003 kWe*            |
| <b>Voltage</b>      | 600 V              | <b>Emissions</b>           | EPA Tier 2           |
| <b>Speed</b>        | 1200 rpm           |                            |                      |
| <b>Engine power</b> | 1480 hp (1104 kWm) |                            |                      |

\*Total output of package varies with cooling system and alternator configuration.

| GENERAL SPECIFICATIONS |   |                                |                       |
|------------------------|---|--------------------------------|-----------------------|
| <b>Engine type</b>     | Cummins QSK50 V-16, four-stroke diesel  | <b>Weight w/o radiator</b>     | 29,500 lb (13,381 kg) |
| <b>Bore</b>            | 6.26 in (159 mm)                        | <b>Lube oil capacity</b>       | 72 gal (273 liters)   |
| <b>Stroke</b>          | 6.26 in (159 mm)                        | <b>Base design</b>             | Three-point mounting  |
| <b>Displacement</b>    | 3,082 in <sup>3</sup> (50.3 liters)     | <b>Alternator rotor design</b> | Two-bearing           |
| <b>Aspiration</b>      | Turbocharged and aftercooled            | <b>Alternator insulation</b>   | Class H               |
| <b>Governor</b>        | Electronic                              |                                |                       |
| <b>Cooling System</b>  | Horizontal or remote vertical discharge |                                |                       |

## Standard Equipment

### AIR INTAKE SYSTEM

- Factory-installed heavy-duty air cleaners
- Factory-installed air inlet shutoff valves

### CONTROL SYSTEM

- Package-mounted control-and-monitoring system provides warning and shutdown protection for the power module
- Simple Control Panel:
  - Provides warning and engine shutdown protection
  - Monitors and protects all critical engine functions

### FUEL SYSTEM

- Dual stage filtration system with integrated water separation
- Modular Common Rail Fuel System (MCRS) generates clean, quiet and efficient power
- MCRS technology helps reduce noise emissions and engine vibration, resulting in a safer and more comfortable work environment

### LUBE OIL SYSTEM

- High-capacity structural oil pan
- Service-free open crankcase ventilation system
- Centrifuge oil filtration option available

### COOLING SYSTEM

- Dual-core base-mounted radiator
- Electric or mechanical fan drive system
- Horizontal and remote vertical discharge systems available
- Standard radiator options available for up to 50°C
- Thermostat-controlled outlets

### STARTING SYSTEM

- Air starter

### MOUNTING ARRANGEMENT

- Three-point-mounted to sub-base
- Isolation pads at mounting points
- Vertical lift provisions on base

### ALTERNATOR

- Two-bearing, 600 V, 60 Hz, three-phase, 0.7 pf, six-wire, WYE-connected
- Brushless type
- Standard anti-condensation heater
- Standard winding and bearing RTDs
- Custom alternator specifications available on request

Standard specifications and options are shown. Cummins can provide custom factory packages.

### ALTERNATOR SPECIFICATIONS

|                          |                                      |                               |                                     |
|--------------------------|--------------------------------------|-------------------------------|-------------------------------------|
| <b>Design</b>            | Brushless, six-pole, revolving field | <b>Alternator cooling</b>     | Direct-drive Centrifugal Blower Fan |
| <b>Rotor</b>             | Two-bearing                          | <b>Efficiency @ 0.7 pf</b>    | 95.36                               |
| <b>Insulation system</b> | Class H                              | <b>Subtransient reactance</b> | (X"d, unsaturated = 0.126 p.u.)     |
| <b>Temperature rise</b>  | 80°C/50°C                            | <b>Subtransient reactance</b> | (X"d, saturated = 0.123 p.u.)       |

**TECHNICAL DATA**

|   |                              |                                     |                            |
|---|------------------------------|-------------------------------------|----------------------------|
| <b>Rating</b>                           | 1428 kVA (1000 kWe @ 0.7 pf) | <b>Poles</b>                        | 6                          |
| <b>Power factor</b>                     | 0.70                         | <b>Speed</b>                        | 1200 rpm                   |
| <b>Voltage (line-neutral/line-line)</b> | 347/600 V                    | <b>Overspeed limit (60 seconds)</b> | 125%                       |
| <b>Current</b>                          | 1683 A                       | <b>Enclosure</b>                    | IP23 with Air Inlet Filter |
| <b>Frequency</b>                        | 60 Hz                        |                                     |                            |

**DIMENSIONS AND WEIGHTS (WITHOUT COOLING SYSTEM)**

| Model     | Length        | Width        | Height       | Set dry weight kg (lb) |
|-----------|---------------|--------------|--------------|------------------------|
| QSK50-DPM | 5,159 (203.1) | 2,040 (80.3) | 1,756 (69.1) | 14,120 (31,260)        |

Note: Weights represent a set of standard features. See outline drawings for weights of other configurations.

**ENGINE SPECIFICATIONS**

|                            |   |                                     |                                     |
|----------------------------|---|-------------------------------------|-------------------------------------|
| <b>Engine manufacturer</b> | Cummins Inc.                                    | <b>Gross engine power output</b>    | 1480 hp (1104 kWm)                  |
| <b>Model</b>               | QSK50   | <b>Displacement</b>                 | 3,069 in <sup>3</sup> (50.3 liters) |
| <b>Design</b>              | 4-stroke, V-block, turbocharged and aftercooled | <b>Cylinder block configuration</b> | Cast iron, 60° V, 16-cylinder       |
| <b>Injection system</b>    | MCRS  | <b>Engine speed</b>                 | 1200 rpm                            |
| <b>Aspiration</b>          | Turbocharged and low temperature aftercooled    |                                     |                                     |

**COOLING**

|                       |               |
|-----------------------|---------------|
| <b>Ambient design</b> | Standard 50°C |
|-----------------------|---------------|

Cummins is a pioneer in product improvement. Thus, specifications may change without notice. Illustrations may include optional equipment.



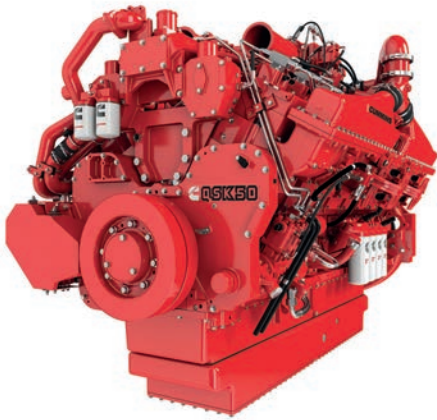
Cummins Inc.  
 Box 3005  
 Columbus, IN 47202-3005  
 U.S.A.

cummins.com

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# SERIOUS POWER FOR SERIOUS OPERATIONS

QSK50 TIER 4 ENGINE  
FOR MINING APPLICATIONS



FOR  
A WORLD  
THAT'S  
ALWAYS ON™



# WE'RE ALWAYS EVOLVING THE QSK50, **AND IT SHOWS**

**The QSK50 Tier 4 builds upon its legendary robustness** with enhanced engine power and improved reliability while in compliance with EPA Tier 4 and EU Stage V emissions regulations.

The QSK50 brings together two powerful technologies: the Cummins high pressure Modular Common Rail Fuel System (MCRS) and Selective Catalytic Reduction (SCR) System. The MCRS fuel system provides precise control of the fuel ejection event that results in lower noise, vibration and smoke, and optimized fuel economy. By using SCR technology, we're able to protect engine performance and power density, while improving fuel economy over previous engine models, without increasing heat rejection or the engine footprint, equating to best in class cost of production (COP).

These capabilities are available in a wide range of heavy-duty front-end loaders, excavators, and haul trucks, with engine power outputs from 1500 hp to 2000 hp (1119-1491 kW). Whatever you need, the QSK50 delivers.

## BUILT TO LAST, AND THEN SOME

- **A SMARTER FUEL SYSTEM**

Means optimal fuel economy, but more than that, it also creates a quieter and smoother environment for your equipment operators. The system provides constant high injection pressure regardless of engine speed or load condition, which results in smooth engine operation throughout the rpm range and increased low-end torque.

- **PERFORMANCE FILTER TECHNOLOGY**

NanoNet® Advanced Media Technology filters out the smallest impurities that impede optimal engine performance. This technology extends the service intervals of your fuel filters while maintaining high efficiency and reducing downtime and maintenance costs.

- **DOUBLE THE FILTER LIFE**

NanoForce® Air Filters can more than double your filter life, extend maintenance intervals, keep your engine running longer and improve COP.



# 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.



# 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**  
QSK50 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](http://cummins.com).

| RATINGS       |                          |                               |
|---------------|--------------------------|-------------------------------|
| ENGINE MODEL* | ADVERTISED HP (KW) @ RPM | PEAK TORQUE LB-FT (N•M) @ RPM |
| QSK50 2000**  | 2000 (1491) @ 1900       | 5805 (7871) @ 1500            |
| QSK50 1675**  | 1675 (1249) @ 1800       | 5375 (7288) @ 1500            |
| QSK50 1600    | 1600 (1193) @ 1800       | 5044 (6839) @ 1500            |
| QSK50 1600    | 1600 (1193) @ 1800       | 5041 (6834) @ 1500            |
| QSK50 1575    | 1575 (1175) @ 1900       | 5450 (7369) @ 1300            |
| QSK50 1500    | 1500 (1119) @ 1900       | 5044 (6839) @ 1400            |

| SPECIFICATIONS      |   |  |
|---------------------|---|--|
| Aspiration          | Single-Stage, Turbocharged, Aftercooled | Two-Stage, Turbocharged, Aftercooled and Intercooled |
| Displacement in (l) | 50.3 (3069.5)                           | 50.3 (3069.5)  |
| Bore in (mm)        | 6.3 (159)                               | 6.3 (159)  |
| Stroke in (mm)      | 6.3 (159)                               | 6.3 (159)  |
| Length in (mm)      | 112.3 (2853)                            | 104.6 (2656)   |
| Width in (mm)       | 60.5 (1537)                             | 72.9 (1852)  |
| Height in (mm)      | 45.6 (1157)                             | 73.9 (1878)  |
| Engine Type         | V-16                                    | V-16   |



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

[cummins.com](http://cummins.com)

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# PERFORMANCE THAT'S GROUND BREAKING



ALWAYS ON



# WHY CHOOSE CUMMINS

## WHO WE ARE

Cummins Inc. is a global power leader designing, manufacturing, distributing and servicing engines and related technologies including fuel systems, controls, air handling, filtration, emission solutions and electrical power generation systems. With over 100 years of diesel experience, the company is now developing a range of complementary power solutions including electric, hybrid, natural gas and fuel-cell technologies to meet or exceed environmental sustainability requirements. We partner with our customers to find the best power solution for their needs.

## GLOBAL AND LOCAL

We are the ideal global partner with the ability to design, develop and manufacture products on 6 continents. With over 80 manufacturing plants including 18 engine factories, we can make products exactly where customers need them. Common product platforms are built around world, giving our customers consistency of installation, with emissions capability and cost tailored to their regional needs.

Our dedicated global network is the largest in the industry and this gives confidence to manufacturers and end users who know that support is available for their products, all around the world.

## ENGINEERED FOR OUR CUSTOMERS

Cummins remains at the forefront of developing and applying new technologies to meet current and future emissions legislation, with an investment of close to \$1 billion per year. Our product strategy is not only focused on reducing the impact on the environment, but also engineering value for customers through benefits in performance and running costs.



# TRANSFORMING YOUR FUTURE

## ENERGY DIVERSITY

Clean diesel, diesel hybrid, plug-in hybrid, natural gas, electric, renewable fuels, fuel cells



## CONNECTIVITY

Remote monitoring:  
reduced repair costs,  
longer engine life,  
reduced downtime



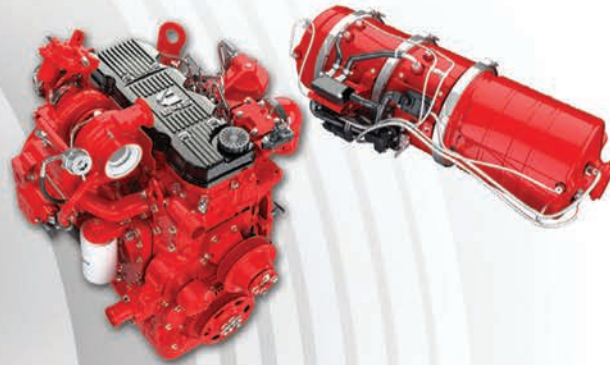
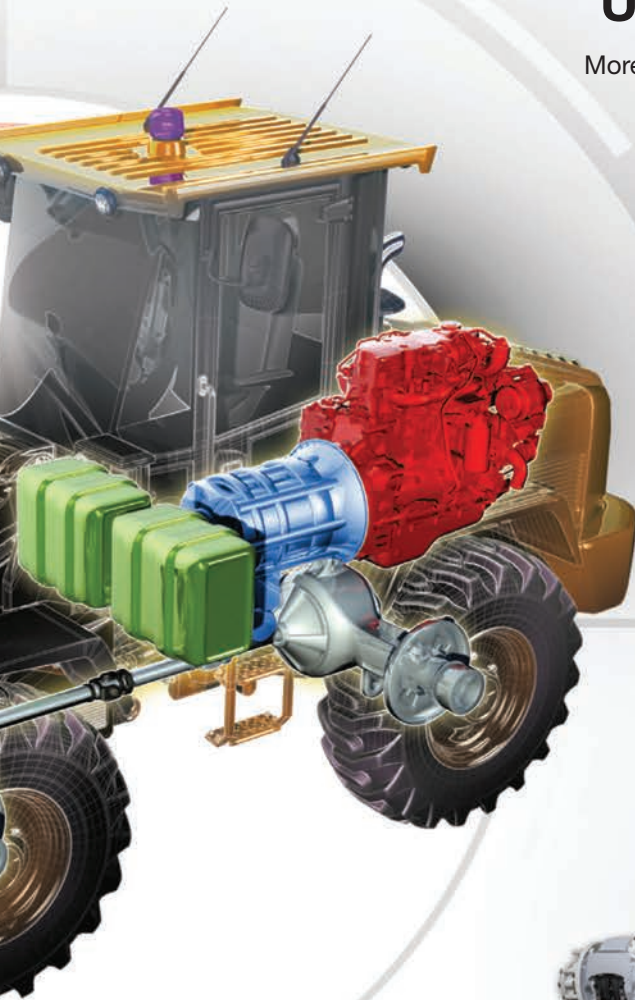
**POWERTRAIN EVOLUTION**  
EFFICIENCY, SUSTAINABILITY, PRODUCTIVITY



As a global power leader, Cummins is demonstrating expertise across multiple product platforms including ultra clean diesel, natural gas, hybrid, full electric and fuel cell technologies as well as through in-house components expertise. All products are designed and manufactured by Cummins and fully integrated for optimal performance and the lowest total cost of ownership.

## ULTRA CLEAN DIESEL

More power, lower running and maintenance costs,  
smaller, simple and reliable



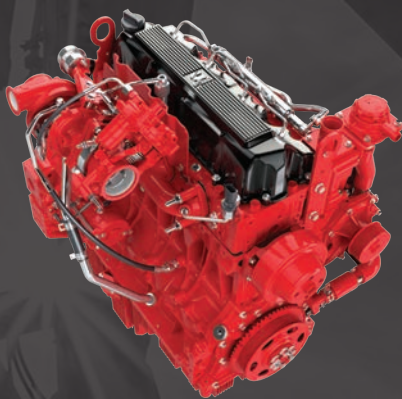
## OPTIMIZATION

Enhanced transmissions,  
hydraulic systems, cooling,  
accessories and options



Our wide range of products and services are generating your power, moving your equipment as well as managing and maintaining your valuable assets. Cummins power is delivering reliable, efficient operation with optimized uptime for excavators, dump trucks, mobile lighting and more.

# PERFORMANCE SERIES TECHNOLOGY FOR GLOBAL CONSTRUCTION



## **F3.8™\***

**Displacement**  
3.8 Liters

**Power**  
75-129 kW / 100-173 hp

**Max. Torque**  
620 Nm Max. Torque

**Emissions Level**  
Stage V / Tier 4 Final

**Product Technologies**  
Single Module™ DPF/SCR  
EGR-free  
Wastegate turbo



## **B4.5™**

**Displacement**  
4.5 Liters

**Power**  
90-149 kW / 120-200 hp

**Max. Torque**  
780 Nm Max. Torque

**Emissions Level**  
Stage V / Tier 4 Final

**Product Technologies**  
Single Module™ DPF/SCR  
EGR-free  
Wastegate turbo



## **B6.7™**

**Displacement**  
6.7 Liters

**Power**  
116-243 kW / 155-326 hp

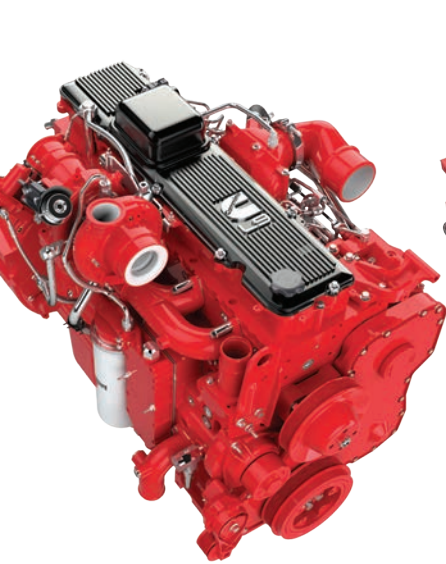
**Max. Torque**  
1375 Nm Max. Torque

**Emissions Level**  
Stage V / Tier 4 Final

**Product Technologies**  
Single Module™ DPF/SCR  
EGR-free  
Variable Geometry turbo

Cummins Performance Series engines do more with less. For operators they deliver higher performance, more machine capability and lower total cost of ownership. For equipment manufacturers, the removal of EGR from the F3.8 to L9 range coupled with Cummins' Single Module™ aftertreatment reduces installation complexity and space claim.

\*Also available at a 55 kW (75 hp) rating, ideally suited for compact equipment requiring high levels of torque.



## L9™

### Displacement

9 Liters

### Power

206-321 kW / 275-430 hp

### Max. Torque

1846 Nm Max. Torque

### Emissions Level

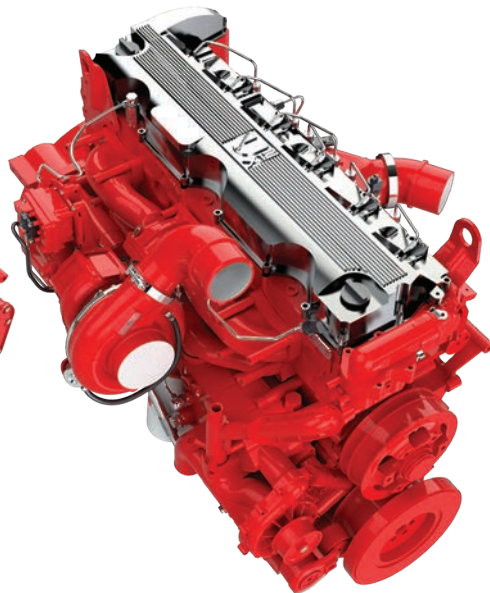
Stage V / Tier 4 Final

### Product Technologies

Single Module™ DPF/SCR

EGR-free

Wastegate turbo



## X12™

### Displacement

12 Liters

### Power

250-382 kW / 335-512 hp

### Max. Torque

2305 Nm Max. Torque

### Emissions Level

Stage V / Tier 4 Final

### Product Technologies

DPF/SCR

EGR-free

Wastegate turbo



## X15™

### Displacement

15 Liters

### Power

336-503 kW / 450-675 hp

### Max. Torque

2779 Nm Max. Torque

### Emissions Level

Stage V / Tier 4 Final

### Product Technologies

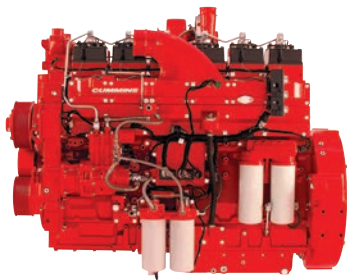
DPF/SCR

Cooled EGR

Variable Geometry turbo

All Performance Series engines are available as Power Units which are more than 60% pre-approved for installation. All Performance Series Power Units include an engine, Single Module™ aftertreatment (F3.8-L9), cooling system, hoses, air cleaner and either mounting feet or base rails.

# CUMMINS CLEAN DIESEL TECHNOLOGY FOR QUARRYING AND MINING



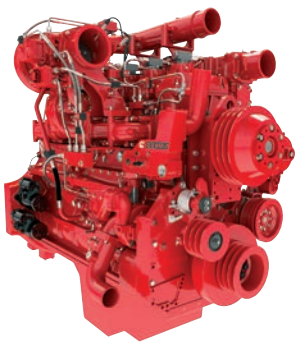
## QSK19

**Displacement**  
19 Liters

**Power**  
567 kW / 760 hp

**Max. Torque**  
3007 Nm / 2218 lb-ft

**Emissions Level**  
Stage V / Tier 4 Final



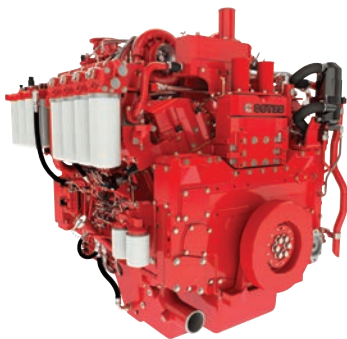
## QSK23

**Displacement**  
23 Liters

**Power**  
567-783 kW / 760-1050 hp

**Max. Torque**  
3928 Nm / 2897 lb-ft

**Emissions Level**  
Stage V / Tier 4 Final



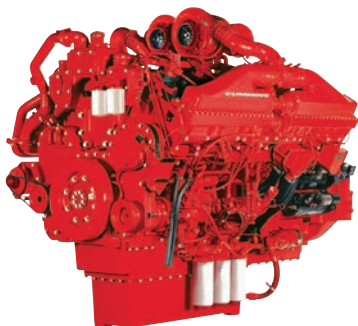
## QST30

**Displacement**  
30 Liters

**Power**  
708-895 kW / 950-1200 hp

**Max. Torque**  
6612 Nm / 4877 lb-ft

**Emissions Level**  
Stage V / Tier 4 Final



## QSK38

**Displacement**  
38 Liters

**Power**  
810-1193 kW / 1086-1600 hp

**Max. Torque**  
6242 Nm / 4604 lb-ft

**Emissions Level**  
Stage V / Tier 4 Final



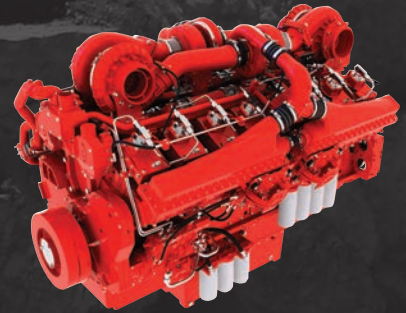
## QSK50

**Displacement**  
50 Liters

**Power**  
1119-1491 kW / 1500-2000 hp

**Max. Torque**  
9600 Nm / 7081 lb-ft

**Emissions Level**  
Stage V / Tier 4 Final



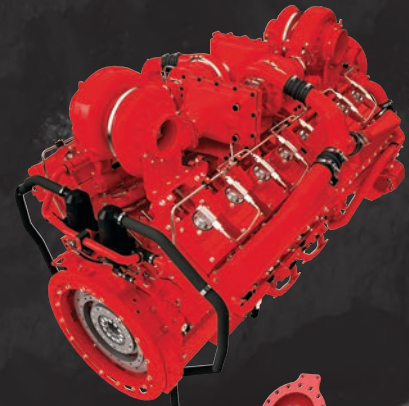
## QSK60

**Displacement**  
60 Liters

**Power**  
1398-2125 kW / 1875-2850 hp

**Max. Torque**  
11218 Nm / 8274 lb-ft

**Emissions Level**  
Stage V / Tier 4 Final



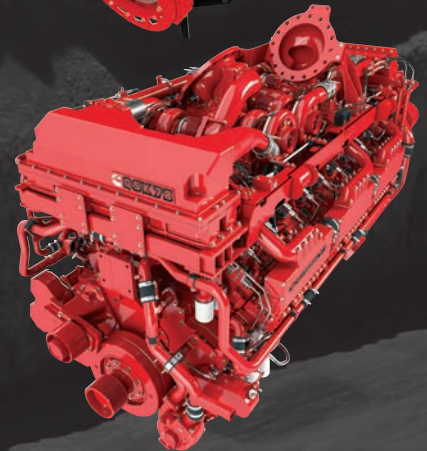
## QSK78

**Displacement**  
78 Liters

**Power**  
2610 kW / 3500 hp

**Max. Torque**  
14077 Nm / 10383 lb-ft

**Emissions Level**  
Stage V\* / Tier 4 Final  
\* certification available on request

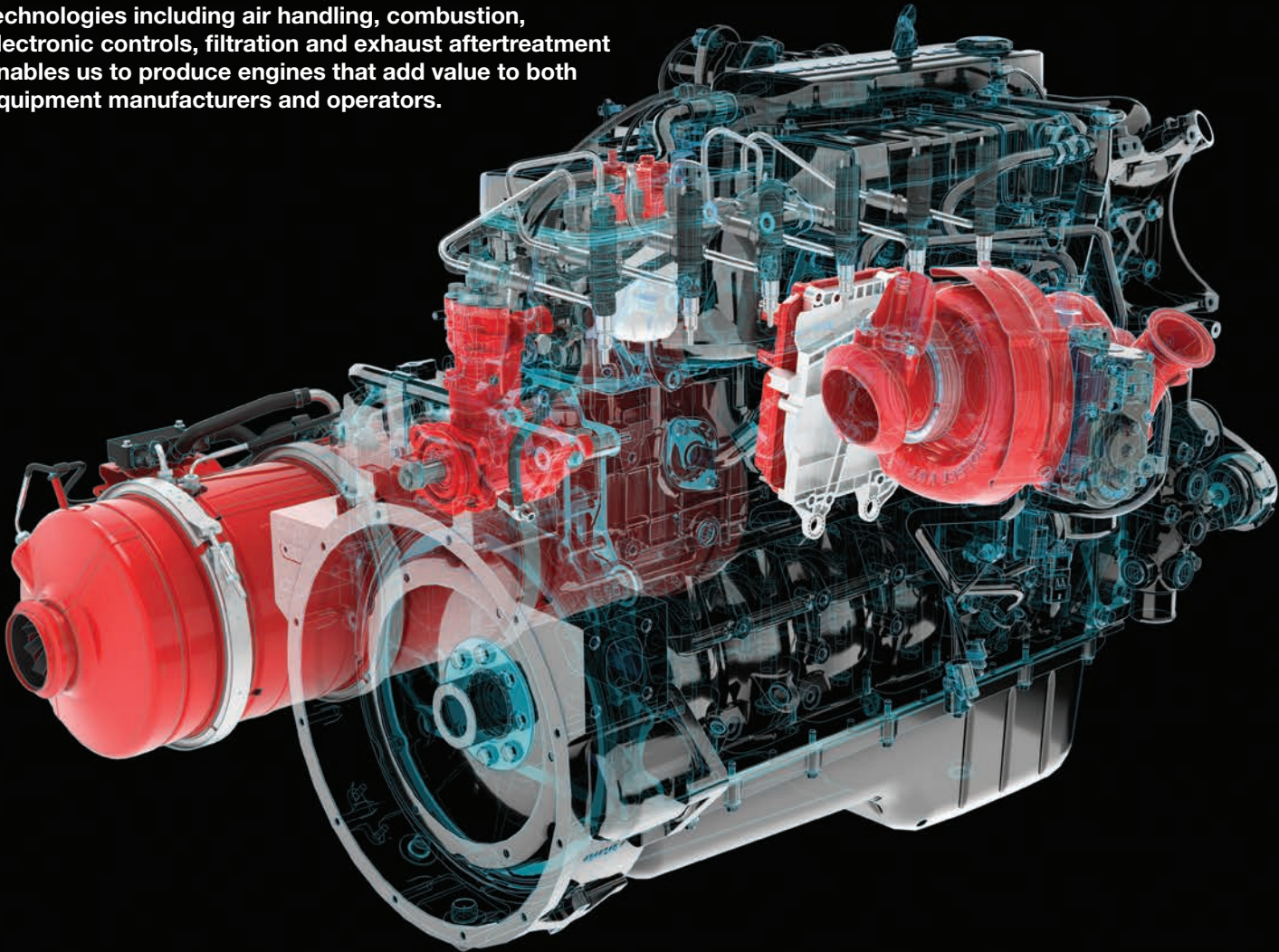


As market leader in the design, manufacture and service of engines for mining and quarrying applications, Cummins has a century of product expertise. In fact, more than 28,000 Cummins engines are active in mining operations around the globe in everything from excavators, drills and haul trucks to generators and underground mining equipment. These installations demonstrate our commitment to providing the highest uptime in the industry and reducing total cost of productivity and ownership for end users worldwide.

**No matter what you're mining, or where your equipment runs, Cummins engines provide exceptional dependability, reliability and productivity – even in the most challenging environments.**

# IN-HOUSE COMPONENTS EXPERTISE

Our ability to develop and integrate in-house component technologies including air handling, combustion, electronic controls, filtration and exhaust aftertreatment enables us to produce engines that add value to both equipment manufacturers and operators.



## Aftertreatment technologies

### Single Module™ aftertreatment

- Combines DOC, DPF and SCR to facilitate the removal of EGR, and is up to 40% smaller and 20% lighter than previous systems.
- Modularity allows for ease of part replacement and reduced downtime.
- Offers easier system integration and flexible installation options.
- Advanced catalyst technologies offer improved NOx conversion efficiency and ash-loading capacity.
- Enhanced thermal efficiency and reduced aftertreatment warm up.

### Flex Module™ aftertreatment

- Innovative packaging design saves installation space to fit the requirements of OEM configuration.
- Modular accessible design of product provides convenience of maintenance for customer.
- Advanced catalyst technologies facilitate DPF's larger ash capacity.
- Advanced control strategy and urea dosing system provide higher NOx conversion efficiency.

## Turbocharging technologies

### Holset® Series HE400VG:

Cummins continues to evolve the Holset VGT™ to meet future emission challenges, including EPA, CARB 24, and Euro 7 emissions requirements.

Our latest R&D investment has facilitated a 5% efficiency improvement and includes new developments to the rotor system, compressor stage and turbine stage, alongside a range of aerodynamic packages to tailor performance and meet demands on applications up to 15L.

### Holset® Series HE600WG:

- Increased overall turbocharger efficiency by over 4 points compared to current product HE600.
- High pressure ratio compressor stage, aerodynamically tailored for off highway application.
- New compressor stage offers +3 points higher efficiency compared to current product HE600.
- New compressor stage offers increased flow range enabling customers using HE800 to switch to more compact and less expensive HE600
  - » helps meet downsizing requirements
  - » offers improved transient response and space claim benefits.
- New turbine housing offering higher durability (optimized thermal stress to improve fatigue life).

## Fuel systems

**Common rail with EDV** – stop-start functionality. Capable of nominal operating pressure up to 2600 bar and sized for 4.5-15L engines.

**CRFI-C Series** – fuel injector showcasing electromagnetic and mechanical valve enhancements, as well as next generation controls integration to achieve state of the art performance.

**OLP3c** – a compact design fuel pump with up to 2600 bar pressure rating and Active Inlet Metering (AIM) for superior transient rail pressure response.

## Electronics and diagnostics

**CM2850** – complete engine control module for high levels of performance in all conditions.

## Filtration technologies

**Industrial Pro** – the Fleetguard FH239 series is an extra rugged fuel housing specifically designed for off-road equipment. It combines EleMax™ filter technology and multi-layered NanoNet® media.

**Fleetguard Hydraulic Filters** – filter elements are available in a variety of media and micron rating efficiencies. Filters can be selected for petroleum- and water-base fluid compatibility.

**FleetguardFIT™** – through intelligent sensing and data analytics, award-winning FleetguardFIT provides real-time status updates of Fleetguard filters in your equipment so maintenance can be based on real-world conditions.

**Air Filtration** – Air filtration offers broad coverage for cabin and engine air intake systems. Using the highest quality components and manufacturer processes to ensure consistent protection in all environments. Cummins proprietary media can be customized for specialized environments and applications.

**NanoNet® Fuel Filtration** – designed to deliver fuel to your engine that meets the fuel injection equipment (FIE) manufacturer's suggested ISO 12/9/6 cleanliness level. The product is proven with millions of miles and hundreds of thousands of hours of testing in the field and can extend service intervals, maintain high efficiency, reduce downtime and maintenance cost.

**NanoNet® Lube Filtration** – improves oil flow ability both at cold and hot operating temperatures resulting in better overall fuel economy, as well as captures contaminants that can damage the engine. The LF14000NN holds between 11-24% more contaminant than the will-fit filters made by others.

**Fleetguard Coolant** – ES Compleat™ OAT (Organic Acid Technology) is a Life-of-the-Engine organic additive fully formulated extended life Ethylene Glycol (EG) antifreeze/coolant. It provides superior diesel engine protection against freezing, boil-over, cavitation, liner pitting, erosion, corrosion, elastomer gasket degradation, and scaling.

# DIGITAL SOLUTIONS FOR MAXIMUM AVAILABILITY



## MONITORING

### Connected Diagnostics™

Make informed decisions on when to really stop equipment and when to continue working by understanding the suggested root cause of fault alerts and knowing how long you have before an issue is likely to escalate. Wirelessly connect engines to Cummins using telematics for continuous monitoring and diagnosis using alert notifications sent via a convenient mobile app, email or web portal.

## REPORTING

### Connected Advisor™

Keep projects on schedule by planning service stops more productively, using streamlined engine reports which include daily and monthly summaries of engine health, required field actions and active campaigns. You'll know exactly what's wrong and how to resolve it using our integrated and detailed expert recommendations that automatically accompany each report.

## CALIBRATING

### Connected Software Updates™

Cummins powered equipment can remain on a jobsite while beneficial performance or fuel efficiency enhancements are applied at a fraction of the cost using integrated telematics systems and wireless, over-the-air connectivity services. This enables operators to scale software deployment efforts with ease and calibrate engine control modules remotely with minimal downtime.

## SERVICING

### Cummins Guidanz®

Guidanz technology integrates and streamlines every aspect of the Cummins service experience, accelerating the diagnostic and repair process. The Guidanz mobile app, when paired with the new Bluetooth®-enabled INLINE™ mini datalink adapter, displays Cummins fault codes and other key engine information anywhere you need it. Its Immediate Assessment feature enables you to determine root cause of a fault, review estimated repair times and identify the most likely repair parts for easier service scheduling. You can provide this information to your nearest certified service provider ensuring you receive the right support and streamlining the repair process.



# GLOBAL PARTS AND SERVICE NETWORK



In today's connected world, look no further than Cummins. Wherever your Cummins powered equipment operates, you have access to the largest number of certified service and support locations of any engine manufacturer.

#### **Cummins distribution network**

- More than 8,000 distributor and authorized dealer locations in over 190 countries
- Local Cummins-certified technicians ready to complete your in-shop or field service needs and deliver high-quality repairs and rebuilds quickly by using the best tools with the most advanced technology
- Engineers trained in powering applications and identifying options to improve product performance
- Complete range of Cummins products and Genuine Cummins new and ReCon® parts
- Three global parts distribution centers equipped to handle the most complex business processes
- 24/7 customer support

**We are the experts with advanced technology to make your life easier while providing a seamless support experience.**

**Contact us:**

**UK: 00-8000-CUMMINS™ (00 8000 286 6467)**

**[care.cummins.com](http://care.cummins.com)**





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

1-800-CUMMINS™ (1-800-286-6467)  
cummins.com

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