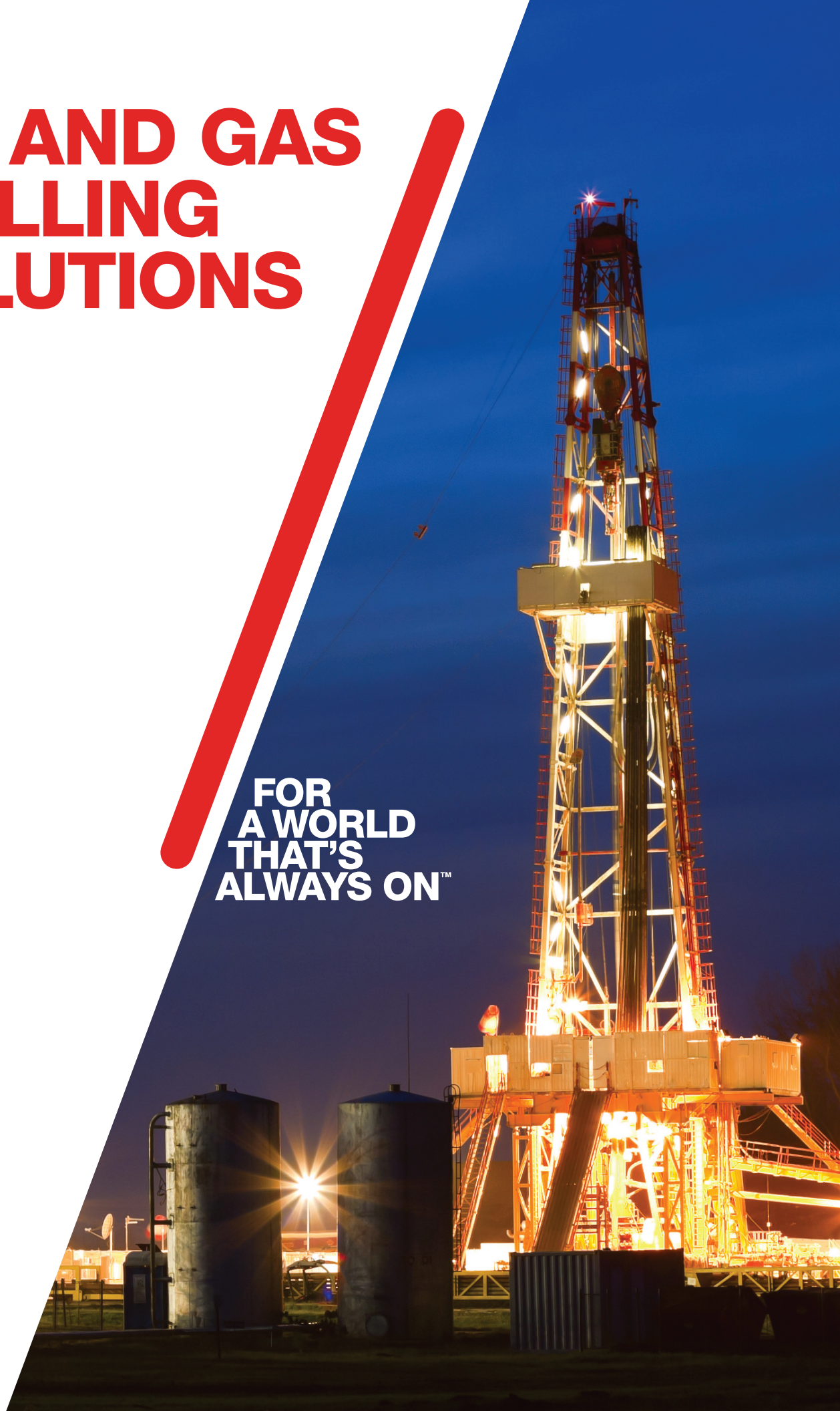
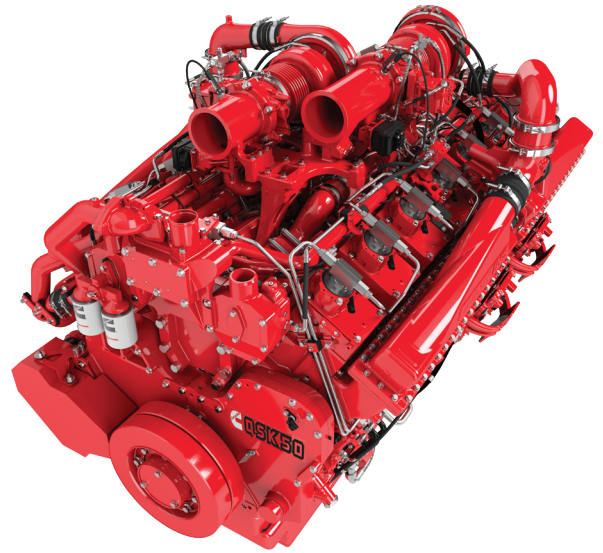


# OIL AND GAS DRILLING SOLUTIONS

FOR  
A WORLD  
THAT'S  
ALWAYS ON™



# CUMMINS DRILLING SOLUTIONS



Cummins delivers the complete package of products, services and support to meet all your drilling equipment needs. From loose engines and power units for mechanical rig power to land-based drilling power modules for electric drill rigs, you won't find a stronger, more dependable product lineup. We offer engines ranging from 185 hp to 1900 hp (138-2013 kWe) and electric drilling power modules from 1000 - 1300 kWe to power your customized drilling, hoisting and pumping applications.

## **CUSTOMIZED SOLUTIONS FROM A SINGLE SOURCE**

The key to Cummins durability in the field is our focus on developing proven products designed specifically for drilling applications. Our drilling power modules are designed, manufactured and validated at Cummins owned locations using Cummins manufactured engines, alternators, turbochargers and emissions solutions components.

Cummins utilizes rapid-response engineering, with our drilling power modules validated by a battery of tests that ensure that customer needs are met with a dependable, reliable product – all backed by a global Cummins factory warranty and supported through our global network of service providers. All of this makes Cummins unique in providing drilling customers with a true single-source supplier.

## **FLEXIBLE DRILLING SOLUTIONS**

Cummins drilling products are available with a wide range of options, enabling customers to tailor the products to suit their individual needs. Additional components, such as alternators, radiators, controllers, exhaust systems, fuel filtration and DEF systems, can be valuable components for customers to include as part of their drilling solution.





## **WORLD-CLASS CUSTOMER SUPPORT. WORLDWIDE.**

The strength of our established global support network allows us to be exceptionally responsive to your needs. The Cummins network spans the globe, providing all the support you need, with over 600 distributor service locations in over 160 countries working around the clock to meet your immediate needs for parts and service over the life of your equipment. Every location maintains a full parts inventory, including critical parts. If a piece of Cummins-powered equipment needs attention, one call to Mobile QuickServe will result in an action plan within 30 minutes, and a technician dispatched within four hours. Technicians arrive equipped with smart tools, such as INSITE™ software for rapid diagnostics and troubleshooting.

## **TECHNICAL ASSISTANCE JUST A CLICK AWAY**

Technicians (ours and yours) have 24/7 access to QuickServe Online ([quickserve.cummins.com](http://quickserve.cummins.com)), which provides engine data and access to service resources for global support on all oil and gas drilling projects.

## **UNSURPASSED WARRANTY COVERAGE**

With Cummins, your drilling equipment is covered by the most comprehensive warranty in the business – from factory-supplied components to items manufactured by outside vendors.

## **EVERY QUESTION, ANSWERED**

Cummins has the dependable power you need from drilling equipment, with increased uptime and greater productivity. Most important, our presence and support worldwide make Cummins a proven, committed oil and gas partner that you can always depend on. For additional details, visit [cumminsengines.com](http://cumminsengines.com) or contact your local Cummins distributor.





## MECHANICAL DRILLING ENGINES

Engine Model	Rating		Config	Displacement (L)	Weight <sup>4</sup>		Emissions <sup>5,6</sup>	Aftertreatment
	(bhp) <sup>1</sup>	(kWm)			(lb)	(kg)		
<b>L9</b>	250-400	186-298	I-6	9	1,695	769	U.S. UPA Tier 4 Final EU Stage V	EGR/SCR
<b>X12</b>	290-400	216-298	I-6	12	2,242	1,017	U.S. UPA Tier 4 Final EU Stage V	SCR
<b>QSG12</b>	320-500	239-373	I-6	11.9	2,798	1,269	U.S. EPA Tier 4 Final EU Stage V	DPF/SCR
<b>N Series</b>	350-450	260-335	I-6	14	2,899	1,315	Non-Certified	–
<b>QSX15</b>	400-600	298-448	I-6	14.9	3,166	1,436	U.S. EPA Tier 4 Final EU Stage V	DPF/SCR
<b>KTA19</b>	440-600	328-447	I-6	19	6,170	2,799	Non-Certified	–
<b>QSK19</b>	506-800	377-59	I-6	19	4,535	2,057	U.S. EPA Tier 4 Final EU Stage V	SCR
<b>QSK23</b>	760-950	567-709	I-6	23	6,001	2,722	U.S. EPA Tier 4 Final EU Stage V	SCR
<b>QST30</b>	850-1500	634-1119	V-12	30.5	7,337	3,328	U.S. EPA Tier 4 Final EU Stage V	SCR
<b>KTA38</b>	820-1350	611-1006	V-12	38	9,479	4,300	Non-Certified	–
<b>QSK38</b>	1530-1600	1141-1193	V-12	37.7	9,844	4,465	U.S. EPA Tier 2	–
<b>QSK50</b>	1350-2500	1007-1865	V-16	50.3	12,566	5,700	U.S. EPA Tier 4 Final EU Stage V	SCR
<b>KTA50</b>	1675-2000	1249-1491	V-16	50	11,669	5,293	Non-Certified	–

## LAND-BASED OIL FIELD GENERATOR SETS

Engine Model	Rating (bhp) <sup>1</sup>	Rating (kWm)	Speed (rpm)	Frequency (Hz)	Voltage (V)	Emissions <sup>5,6</sup>	Aftertreatment
<b>QSX15</b>	454-620	322-439	1800	60	400/480	U.S. EPA Tier 4 Final	DPF/SCR
<b>QSK19</b>	715-815	507-578	1800	60	400/480	U.S. EPA Tier 4 Final	SCR

## LAND-BASED DRILLING POWER MODULES SETS

Engine Model	Rating (bhp) <sup>1</sup>	Rating (kWm)	Speed (rpm)	Frequency (Hz)	Voltage (V)	Emissions <sup>5,6</sup>	Aftertreatment
<b>KTA50</b>	1470	1096	1200	60	600/690	Noncertified	–
<b>KTA50</b>	1750	1306	1500	50	600/690	Noncertified	–
<b>QSK50</b>	1480	1104	1200	60	600/690	Noncertified (Tier 2)	–
<b>QSK50</b>	1500	1104	1200	60	600/690	U.S. EPA Tier 4 Final	SCR
<b>QSK50</b>	1600	1193	1200	60	600/690	U.S. EPA Tier 4 Final	SCR
<b>QSK50</b>	1780	1327	1500	60	600/690	Noncertified (Tier 2), CS-III Certified	–
<b>QSK50</b>	1500	1104	1800	60	600/690	U.S. EPA Tier 4 Final	SCR
<b>QSK50</b>	1900	1417	1800	60	600/690	U.S. EPA Tier 4 Final	SCR

(1) Other ratings may be available. Some ratings may be restricted and require approval for use. Please contact your distributor.

(2) DRILLING RATING: To be used in variable load-drilling applications where maximum power is needed for short periods of time during either initial starting or sudden overload. Average power output is not to exceed 70% of the maximum power rating.

(3) Some ratings may be preliminary. Please contact your distributor.

(4) Wet weight with standard features. May vary based on selected configuration.

(5) Noncertified ratings are also available. Please contact your distributor.

(6) Emergency gensets are exempt from IMO emissions legislation. Engines <130 kW do not require IMO certification.



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

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

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# **BUILT TOUGH. WORKS HARD.**

**QSK38 TIER 4 ENGINE  
FOR MINING APPLICATIONS**



**FOR  
A WORLD  
THAT'S  
ALWAYS ON™**





# 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](http://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.  
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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

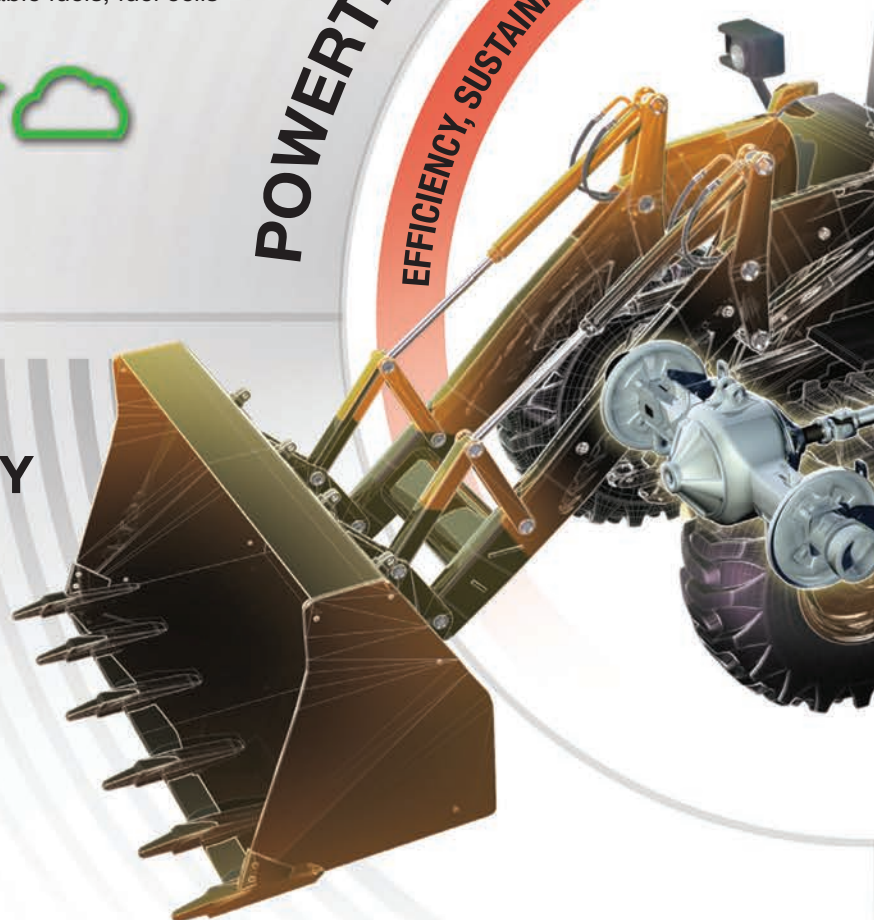


## CONNECTIVITY

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



**POWERTRAIN EVOLUTION**  
EFFICIENCY, SUSTAINABILITY, PRODUCTIVITY

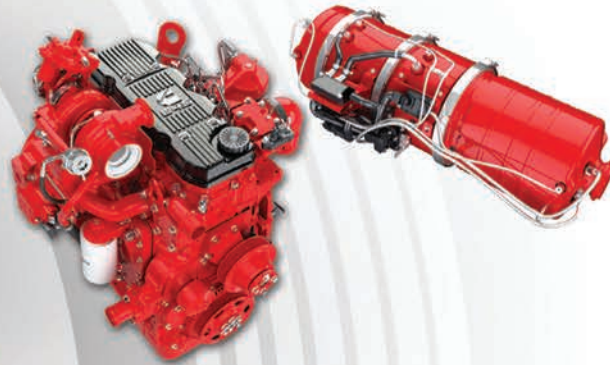
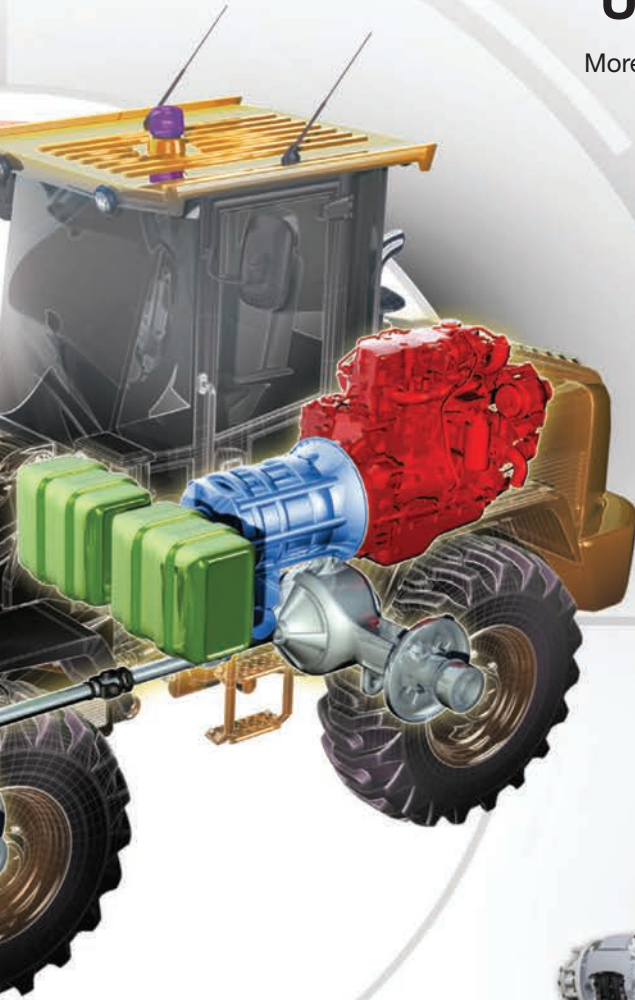


As a global power leader, Cummins is demonstrating expertise across multiple product platforms including ultra clean diesel, natural gas, hybrid, full electric and fuel cell technologies as well as through in-house components expertise. All products are designed and manufactured by Cummins and fully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



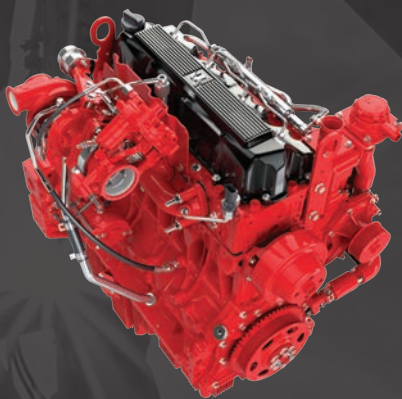
## OPTIMIZATION

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

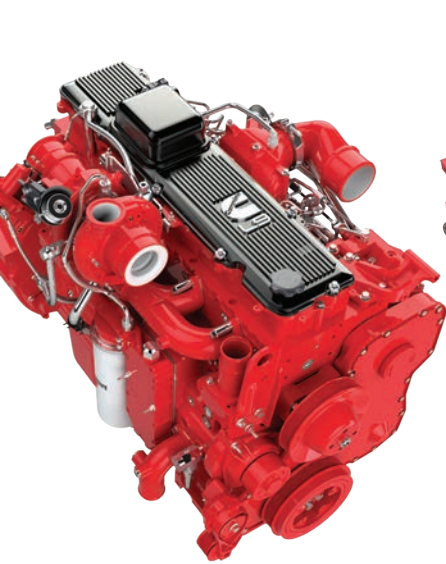
**Emissions Level**  
Stage V / Tier 4 Final

**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

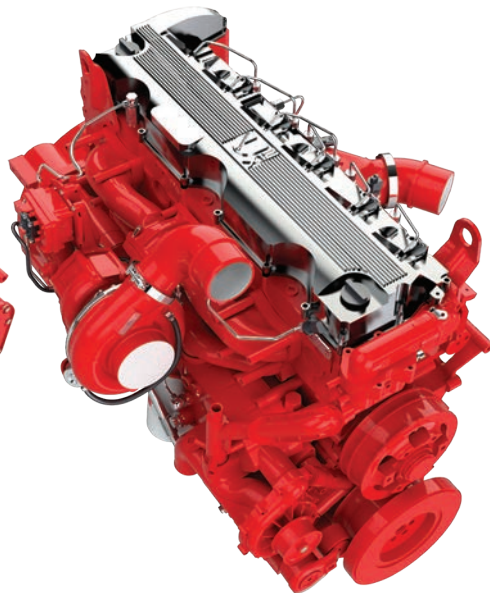
Stage V / Tier 4 Final

### 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

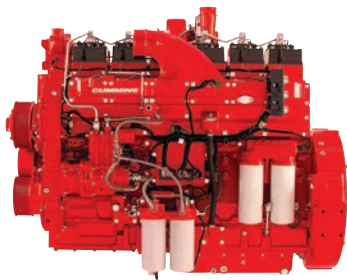
DPF/SCR

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



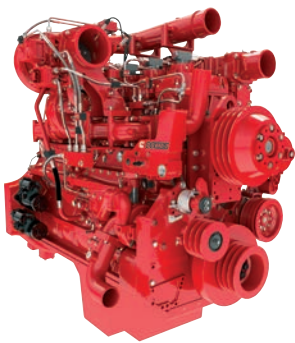
## QSK19

**Displacement**  
19 Liters

**Power**  
567 kW / 760 hp

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

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



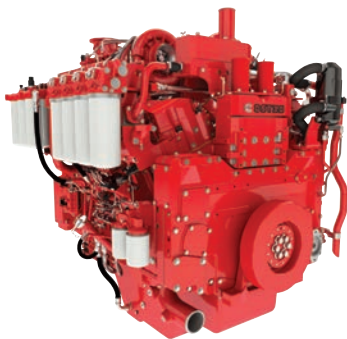
## QSK23

**Displacement**  
23 Liters

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

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

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



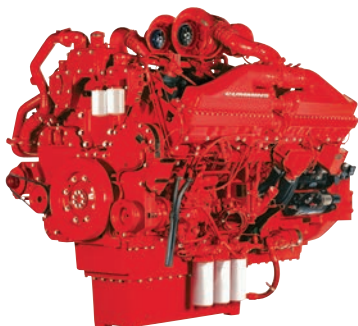
## QST30

**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



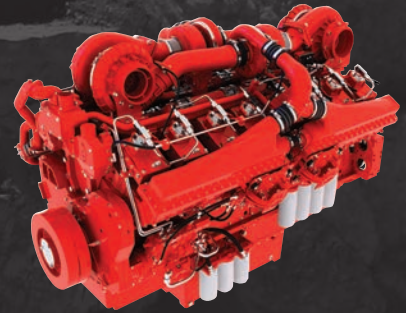
## QSK50

**Displacement**  
50 Liters

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

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

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



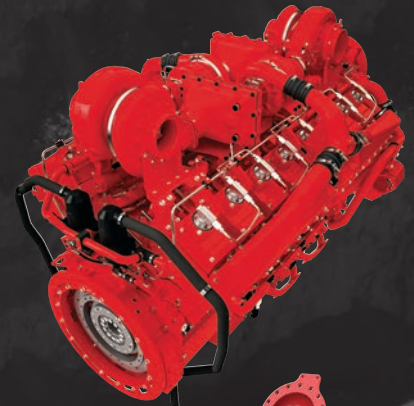
## QSK60

**Displacement**  
60 Liters

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

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

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



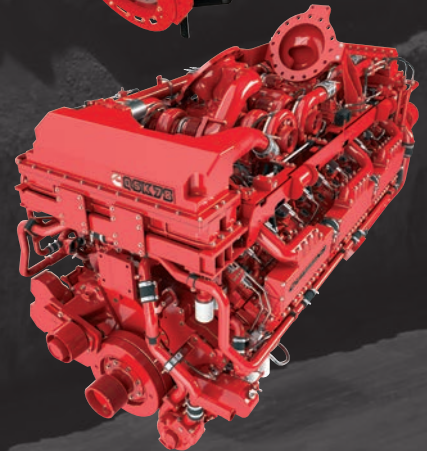
## QSK78

**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



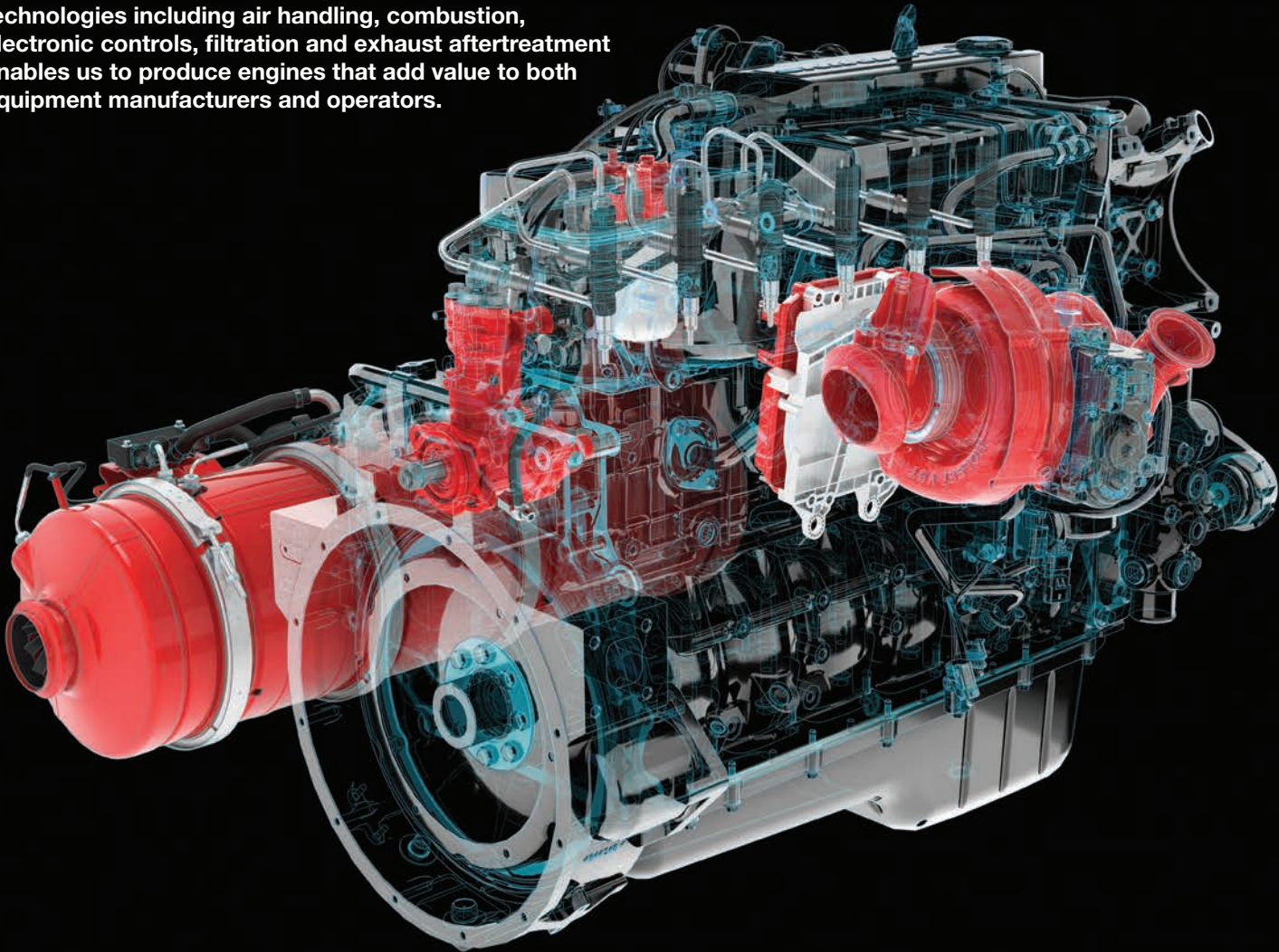
As market leader in the design, manufacture and service of engines for mining and quarrying applications, Cummins has a century of product expertise. In fact, more than 28,000 Cummins engines are active in mining operations around the globe in everything from excavators, drills and haul trucks to generators 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)**





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Bulletin 5676449 Produced in U.K. 2/21  
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Every™ Power.

Cummins Power Products.





In today's business world, you need a total package – one that delivers value of ownership, the most advanced technology and second-to-none support. Cummins Power Products offers a total solution for your power-unit needs, with a full range of diesel and compressed gas products from 60 hp to 1500 hp (45-1119 kW) and options designed to meet your specific needs.

### **Power By Design.**

What is a power unit? Essentially, a power unit is “torque in a box,” specifically engineered to provide a solution for a mechanical power need. Every product we make is powered exclusively by a Cummins engine, the most rugged, reliable and advanced technology available. Customized to the unique specifications necessary to meet your power demands, Cummins Power Products designs the right product, with the right fit, to do the job right, backed by our global parts and service network.

### **Ready For Tier 4 Final.**

Our Tier 4 Final technology solution for power units builds on the proven durability of our Tier 3 and Tier 4 Interim power units. Cummins has a unique advantage in that we design and develop all of the critical engine subsystems and aftertreatment components. Cummins Power Products then upfits the base engine and validates the entire power unit design to offer a completely integrated power package. The total system is optimized to minimize installation impact and achieve the lowest cost of operation.

### **Every Application.**

There is added value in working with Cummins Power Products. We eliminate the need to search for the right components. We have done that for you, and the result is a package designed specifically for your job. We offer turnkey solutions in both open and enclosed platforms from a standard line of base-engine models or a customized unit specifically engineered for a unique piece of equipment in virtually any application. We have the people, processes and products to make it happen. Cummins Power Products employs a qualified engineering staff with decades of experience in Pro/ENGINEER design. Our power units are built for everything from brush chippers and rock crushers to dewatering pumps and rail maintenance units. And if your need for power is larger than that, we also work on mud pumps, frac rigs and other heavy-duty applications.



**Durable and reliable power for oil field equipment.**



**Locomotive and rail maintenance track packs keep business moving.**



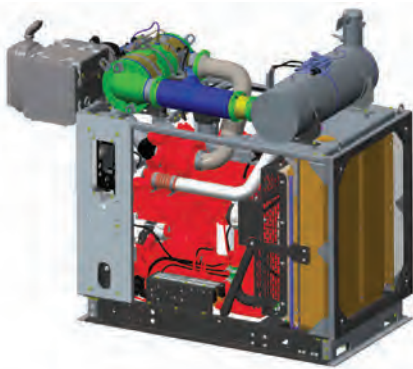
## The Cummins Power Products Difference.

Quality. Experience. Support. All customized for you. We don't take these things lightly. Our quality standards are unmatched in the power unit industry. Through our state-of-the-art production processes and a battery of product tests, each power unit provides unparalleled quality and dependability. Since 1997, we have produced over 30,000 power units designed to unique standards. And each one has the backing of Cummins worldwide parts and service network to support you.

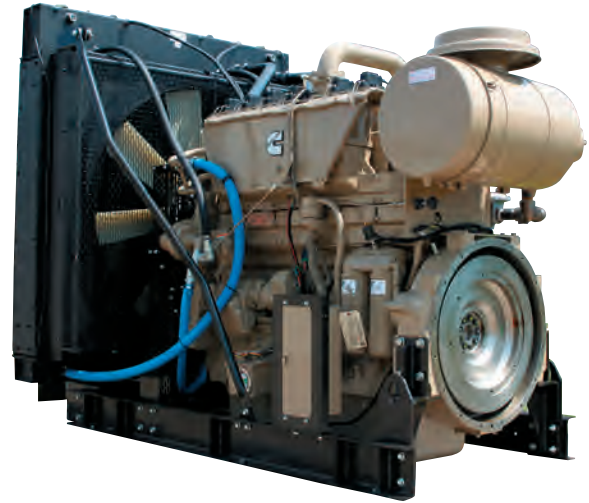
## 1,500 By Design. One For You.

With over 1,500 options available, a design may already exist to fit your exact need. We have already done the work to meet Tier 4 emissions requirements, with a number of models available. If no existing models meet your need, Cummins Power Products utilizes virtual prototyping to ensure a correct design and fit for your specific application. Our prototyping is very competitive, and allows close accuracy to the actual part production pricing. Some of the customizable options available include:

- Electronic or mechanical controls
- Cooling packages
- Mounting options
- Intake and exhaust locations
- Instrument panel locations



**QSB6.7 Tier 4 Final Standard Package**



## Every Strength.

There is power in our power units. Cummins Power Products power units last longer because they are built better. Our enclosure housings use 12-gauge steel. All metals are powder-coated, which increases chip resistance and allows our units to pass 1,000-hour salt spray tests. Components are bolted, not welded, so they resist mounting distortion and are easier to service. Each engine design is fully tested by Cummins Power Products to meet or exceed Cummins application guidelines. In addition, the electrical systems on each of our power units are tested before they leave our factory. Our power units are built and tested to handle the most extreme conditions.



**Cummins Power Products' advanced engineering design process utilizes 3D prototyping in a virtual environment to customize each power unit to the exact needs of the customer and application.**

### **Our Confidence. Total Coverage.**

The warranty for Cummins Power Products power units mirrors the Cummins Industrial warranty. The first year is completely covered regardless of the number of hours run. Coverage continues through the second year or until 2,000 hours of operation have been reached (whichever occurs first).

### **World-Class Service. Every Time.**

Cummins Power Products is a global provider of power units. Our value with customers overseas is realized in the dependability and durability of our products. We've shipped units to customers all over the world. Each power unit is backed by Cummins worldwide parts and service network. With over 6,600 authorized service locations around the world, your power unit will have support wherever you need it. Qualified technicians and Genuine Cummins Parts are never far away, even in the most remote location.



### **Every Advantage.**

Cummins QuickServe® offers you factory-trained technicians, the most sophisticated diagnostic and repair tools in the industry and the largest international parts and service network of any engine manufacturer. Our worldwide team of mobile service technicians is always ready to deliver service when and where you need it. Every minute. Every day. Every year. Plus, Cummins distributors have access to an entire library of parts and service information for Cummins engines on the Internet. QuickServe Online provides engine part numbers, diagrams, service bulletins and alerts, up-to-date supersessions and more – 24 hours a day, for nearly 11 million Cummins engines. The Cummins Power Products web site is linked through QuickServe Online for rapid serial number identification.



### **Every Contact.**

Cummins Power Products offer the best long-term value for your equipment needs and cost of ownership, whether your power unit is one of our standard configurations or designed specifically for your application and equipment. To learn more about Cummins Power Units, and to realize the power of our design, contact your local Cummins distributor location. Find out how we can design the exact power to work for you.



# Cummins Power Products.

## Engine Ratings Gross Horsepower (w/o Fan)

ENGINE MODEL	EMISSIONS TIER	HORSEPOWER RANGE (BHP)	HORSEPOWER RANGE (kW)	DISPLACEMENT (CU IN)	LENGTH (IN)	OPEN			ENCLOSED				
						WIDTH (IN)	HEIGHT (IN)	WEIGHT (LB)	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	WEIGHT (LB)	CENTERLINE HEIGHT (IN)
<b>Diesel Products</b>													
QSF2.8 CAC	4F	49-74	37-55	171	50.15	38.00	50.60	1187	46.28	37.53	50.60	NA	12.5
QSF2.8 Non-CAC	4F	49-65	37-48	171	50.15	38.00	50.60	1187	46.28	38.53	50.60	NA	12.5
B3.3NA-P	4i	60-65	45-48	199	40.20	33.68	47.20	842	47.88	30.00	53.28	884	12.50
B3.3T-P	4i	74	55	199	40.20	33.68	47.60	842	36.98	30.00	53.28	884	12.50
B3.3TAA-P	3	75-85	56-63	199	53.24	39.49	58.56	1017	41.75	33.68	58.56	1121	12.50
QSB3.3-P	4i	85-120	63-89	199	NA	NA	NA	NA	43.82	29.46	53.05	NA	12.50
QSB3.3-P	3	80-110	60-82	199	53.24	39.49	58.56	1017	41.75	33.68	58.56	1121	12.50
QSF3.8	4F	74-130	55-97	232	65.60	52.00	50.50	1740	64.67	49.50	60.00	NA	13.13
B4.5-P	2	80	60	275	47.40	29.25	69.40	1208	47.44	31.54	58.13	1332	13.06
B4.5T-P	2	92-99	68-74	275	52.30	29.25	65.40	1208	43.00	31.55	60.34	1332	13.06
QSB4.5	4F	121-173	90-129	275	56.52	32.93	67.06	1860	56.52	32.93	67.06	1950	13
QSB4.5-P	4i	110-163	82-122	272	59.40	38.50	56.40	1431	53.80	35.00	56.40	1574	13.14
QSB4.5-P	3	110-170	82-127	272	57.45	31.88	65.40	1270	48.00	31.88	61.82	1461	13.14
QSB6.7	4F	173-300	129-223	408	81.00	45.27	69.06	2590	81.09	45.27	69.06	2750	14
QSB6.7-P	4i	146-173	109-129	409	65.31	40.82	57.13	1915	58.00	36.30	66.50	2165	14.10
QSB6.7-P	4i	190-300	142-223	409	65.31	40.82	57.13	1915	58.00	36.30	66.50	2165	14.10
QSB6.7-P	3	190-275	142-205	409	68.48	33.91	81.80	1800	58.00	33.91	69.91	2050	14.10
QSC8.3-P	3	305	172-227	506	77.25	41.32	82.26	2380	64.75	41.32	81.03	2755	16.50
QSL9	4F	250-380	186-283	543	86.11	53.57	76.41	3150	86.11	53.57	76.41	3573	16.5
QSL9-P	4i	230-380	172-283	543	74.20	41.30	61.70	NA	64.80	41.30	72.40	2794	16.50
QSL9-P	3	300-365	224-272	543	77.25	41.32	82.26	2380	64.75	41.32	81.03	2755	16.50
QSM11-P	3	300-400	224-298	660	77.38	46.88	70.07	3394	74.49	43.10	82.22	3718	20.00
QSX11.9	4i	350-500	261-373	726	85.90	48.00	78.50	4121	NA	NA	NA	NA	20.00
QSX15	4F	472-675	352-503	915	98.50	71.83	84.60	6250	98.50	71.83	84.60	6656	20
QSX15-P	4i	400-600	298-447	912	87.80	57.50	85.50	5034	NA	NA	NA	NA	20.00
QSX15-P	3	375-630	280-470	915	106.25	62.75	84.05	5140	106.25	62.75	94.29	5750	20.00
QSK19-P	3	560-700	418-522	1159	115.13	61.88	78.78	6570	NA	NA	NA	NA	16.02
QSK19-P	2	525-700	391-522	1150	116.13	62.81	78.64	7100	NA	NA	NA	NA	15.88
QSK19-P	2	755-800	563-597	1150	116.13	62.81	78.64	7200	NA	NA	NA	NA	16.00
QSK19-P	1	755-800	563-597	1150	114.25	62.00	78.52	6530	NA	NA	NA	NA	16.02
QSK23-P	2	760-950	567-708	1412	NA	NA	NA	NA	NA	NA	NA	NA	23.00
QST30-P	1	760-1200	567-895	1861	156.00	59.71	92.27	11400	NA	NA	NA	NA	27.00
QST30-P	1	1350-1500	1007-1119	1861	131.34	95.00	110.66	16120	NA	NA	NA	NA	27.00
QST30-P	2	760-1200	567-895	1861	142.00	82.00	96.71	11400	NA	NA	NA	NA	27.00
QST30-P	2	1350-1500	1007-1119	1861	NA	NA	NA	NA	NA	NA	NA	NA	27.00
QSK38-P	2	920	686	2300	146.66	86.13	103.06	NA	NA	NA	NA	NA	30.00
<b>Natural Gas Products</b>													
G5.9	NA	41-99	31-74	359	65.74	33.91	64.72	1530	64.52	33.91	70.41	1641	17.65
G5.9e	NA	70-99	52-74	359	NA	NA	NA	NA	68.02	33.91	69.51	1899	17.65
G8.3	NA	99-135	74-101	505	67.38	41.32	73.80	1860	60.69	41.32	71.75	2525	17.75
G8.3e	NA	99-118	74-88	505	NA	NA	NA	NA	72.81	41.32	69.26	2444	17.75
GTA8.3 SLB	NA	175	131	505	78.50	48.88	71.50	NA	77.25	43.90	75.50	NA	17.75
G855	NA	157-188	117-140	855	92.50	42.76	66.38	3900	NA	NA	NA	NA	22.38
G855e	NA	157-188	117-140	855	83.17	42.70	77.59	3944	NA	NA	NA	NA	22.38
GTA855	NA	213-286	159-213	855	100.00	59.76	74.25	4596	NA	NA	NA	NA	22.38
GTA855e	NA	225	168	855	93.00	62.25	84.75	NA	NA	NA	NA	NA	22.38
KTA19GC	NA	265-420	198-313	1125	112.57	60.00	74.87	6495	NA	NA	NA	NA	21.13
KTA19GC SLB	NA	380-420	283-313	1125	104.96	62.25	80.50	6495	NA	NA	NA	NA	21.13
KTA38GC SLB	NA	635-850	474-634	2300	153.78	85.25	100.75	16500	NA	NA	NA	NA	29.89
KTA38GC-E	NA	635-760	474-567	2300	NA	NA	NA	NA	234.60	85.50	152.30	26,114	29.89

- Dimensions and weights will vary slightly depending on the exact engine configuration.
- All ratings are restricted unless otherwise noted. Some ratings are intermittent.
- Height dimensions are measured from bottom of rail to highest point on unit, usually the muffler.
- Natural gas power unit centerline height indicated with high-capacity oil pans.
- 4i Refers to Tier 4 Interim EPA 2011 emissions standards.
- T4F refers to Tier 4 Final EPA 2014 emissions standards.
- \* Anticipated 2014 releases planned.









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Bulletin 4087018 Printed in U.S.A. Rev. 8/16  
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