
THE DRIVING FORCE BEHIND POWER GENERATION.
FULLY INTEGRATED G-DRIVE ENGINES FOR MULTIPLE APPLICATIONS
Cummins
ALWAYS ON
POWERED BY
Cummins
G-DRIVE

CUMMINS G-DRIVE. OUR ENGINES MAKE THE WORLD GO ROUND.

Cummins Diesel G-Drive engines help to keep the world on the move. A global leader in diesel engine manufacturing for over 90 years, Cummins delivers everything from prime power to standby systems for offices, data centres, telecoms, hospitals and a huge variety of other applications worldwide.

No one puts more energy into building generator-drive engines than Cummins. Clean, efficient and tough, our diesel engines are specifically produced to answer today's power challenges — providing world-class power performance, emissions compliance and reliability to Generator Original Equipment Manufacturers (GOEMs) worldwide. Plus, as part of Cummins Power Generation Inc., our engines come backed with Cummins global reach and resources — giving us the power to meet your needs and challenges across the world.

BUILT TO DELIVER IN EVERY WAY

At Cummins, we use constant product research and development to ensure our engines set the benchmark in our industry for efficiency, durability and low emissions. Our 2.5 to 95 litre range spans over 50 models at both 50 Hz and 60 Hz and is engineered to supply outstanding performance and reliability. Our innovative technology also means that many Cummins Diesel G-Drive engines already meet strict U.S. Environmental Protection Agency (EPA) and European Union (EU) emissions regulations, delivering the advantage of futureproof compliance.

BACKED BY GLOBAL SUPPORT

Our engines aren't just about advanced Cummins engineering — they're about Cummins global strength. Whether it's for prime, standby or continuous power, we can provide unparalleled technical service, robust support and the assurance of fully comprehensive product warranties, all on a worldwide scale. In fact, it's our presence in 190 countries that makes the process of matching the right generator, transfer and control technologies to your power needs as smooth and efficient as our G-Drive engines themselves.

COOLPAC - TOTAL POWER PACKAGES

Many Cummins Diesel G-Drive engines are configured as CoolPac systems, with cooling systems and air-cleaner solutions built-in. They provide complete, pre-integrated power packages that speed GOEMs' introduction of new products — helping you supply proven, tested and cost-effective power solutions to your customers in optimal time.

CoolPac sets are available in everything from 2.5 to 60 litre diesel engine models and feature components specifically developed for generator set applications, including high ambient capable cooling systems that meet a diverse range of geographical requirements. The sets also incorporate sophisticated engine controls for both consistent across-the-range interfacing and helping meet emissions strategies. Most CoolPac units comply with EPA and EU emissions regulations, giving you and your customers absolute reassurance.

CoolPac sets up to 220 kVA incorporate a fitted radiator, while units over 220 kVA feature radiator kits for chassis mounting.

DRIVING GENERATORS ACROSS EVERY APPLICATION.

Whatever the challenge, Cummins Diesel G-Drive rises to it. Our engines are driving generator sets in thousands of applications worldwide, providing high-performance, fuel-efficient and low-emissions solutions that meet EPA Tier 4, EU Stage V and other air quality standards across the globe. And with a complete range of products available at both 50 Hz and 60 Hz, Cummins diesel G-Drive offers critical, added value to customers and engine models for every need, offered through a single supply chain.

- **Rental** Engineered for the most demanding environments, our Tier 4F and Stage V certified engines meet customer needs for short and long-term generator set rental applications. Our portfolio includes a range of dual-speed solutions that offer reliable, efficient, low emission and cost-saving prime and continuous power.
- **Prime** Our units supply sustained performance, emissions-compliance, fuel efficiency and unaided cold starts for a full range of prime power requirements, including those in the most challenging high-altitude and high/low ambient conditions.
- **Standby** Along with our innovative CoolPac systems, our expertly designed and manufactured engines offer excellent steady state and transient responses in specialised standby applications around the world while meeting NFPA 110. They are capable of picking up 100% block load in one load step and offer maximum power density with consistent uptime from a compact package.
- **Dynamic/Rotary UPS** Our G-Drive engines fulfil customers' exact power output and transient response requirements in uninterruptible power supply applications around the globe. In addition, they are compliant with NFPA 110 standards and reach full load acceptance within the required time.
- **Welding** Cummins G-Drive engines provide maximum power from a minimal footprint, the technology to meet regulatory requirements and provide permanent readiness for prime duty. Our robust engines offer fuel-efficient solutions that give today's welding operators precisely what they need.
- **RTG Cranes** These are dependable, efficient engines ready to spring into action whenever and wherever needed. Cummins Diesel G-Drive units provide the critical availability, proven endurance and low operational costs demanded by Rubber-Tired Gantry crane operations internationally.
- **Ground Power Units (GPUs)** Our engines deliver the long-term reliability, international emissions-compliance and low-noise capability today's GPU operators need to keep aircraft flying on schedule worldwide.
- **Mining & Crushing** Mining customers count on their generator sets for high performance, excellent fuel economy and outstanding durability. Our engines deliver the features and benefits required, from unaided cold start capabilities to reduced fuel consumption, seamless emissions compliance and low total cost of ownership.
- **Telecoms** Today's call centres, communications towers and other telecom operations demand hi-spec, cost-effective power with zero interruptions. Our engines are designed to deliver, providing failsafe, economical power in a diverse range of locations, from small remote sites to large power-hungry installations, especially where mains power is unpredictable.
- **Oil & Gas** Our mechanical and electronic engines supply the exceptional performance, emissions compliance, unassisted cold starts and fuel efficiency that keep even the most testing oil and gas sites working non-stop.
- **Lighting Towers** Industries demanding heavy lighting usage rely on our durable and compact engines as well as our cost-effective CoolPac systems to deliver maximum power density and the constant prime power they need.
- **Rail** Today's rail operators depend on our high performance engines for the critical power, low-noise operation and space-saving footprint demanded by prime and continuous duty applications.
- **Movie Sites** G-Drive engines are at work on movie locations and sets worldwide. In this application, superior steady-state performance with minimal noise and footprint is critical. Add in the low emissions and low cost of ownership, and you have a blockbuster combination.

WORLD-CLASS SERVICE AND SUPPORT

GLOBAL SERVICE

Behind every Cummins Diesel G-Drive engine, there's a world of support. From 550 distributors to 5,200 sales and service locations and 20 parts distribution centres, our network extends across the globe. Plus, it's all backed by instant online access to everything from parts information to product warranties.

POWERFUL BACKUP

Our worldwide coverage and commitment means our customers can rely on us for face-to-face service, rapid response support and the peace-of-mind of fully comprehensive product warranties. Our support capabilities include:

- Factory-trained technicians equipped with advanced diagnostic and repair tools
- Mobile QuickServe® and 24/7 back-up to deliver action plans within 30 minutes and dispatch technicians within four hours
- QuickServe Online resource for accessing parts and service information
- Smart tools including INSITE™ software for rapid diagnostics and troubleshooting
- Industry-leading product warranties

GENUINE CUMMINS PARTS

There's a world of difference between Genuine Cummins New Parts and others — in design, materials and tolerances. That's because we apply uncompromising standards to their production, ensuring they conform to exacting specifications and utilise only the best materials and technology. Add our intensive R&D, wide-ranging warranties and extended maintenance programs, and every part promises to deliver guaranteed performance and longer life between overhauls.

We also supply a range of warranted Genuine Cummins ReCon Parts, each one completely remanufactured to rigorous Cummins specifications.

ELECTRONIC SERVICE TOOL CAPABILITIES ACROSS THE RANGE: PGI CONTROLS

Available on our 4B3.3, QSG12, QSZ13, QSB5/7, QSL9, QSK19/23, QSK38/50/60/78/95, QSX15 and QST30 engines, our Power Generation Interface (PGI) Electronic Control Modules (ECM) provide advanced engine protection, connectivity and faultfinding capabilities for more cost-effective control of your power generation.

APPLICATION ASSISTANCE

A HOTLINE WITH A CUMMINS APPLICATION ENGINEER

Cummins and our GOEM customers have a mutual interest in delivering the highest-quality products. Installation Quality Assurance (IQA) is intended to ensure that end user customers have rewarding experiences with their products.

IQA, an established Cummins quality assurance process, was set up to ensure Cummins installation requirements are adequately met and to guarantee the quality of the mechanical/electronic interfaces between Cummins products and their related systems. Key objectives are to ensure the optimization of performance and equipment reliability and quality, while minimizing costs.

To understand your requirements and to tailor the products for your specific applications, our application engineers will work closely with you right from the product selection stage until final release. Moreover, these value-added services are complimentary.

INSITE™

Our PC-based INSITE tools reduce troubleshooting and procedural errors, getting your engines quickly running again. Available in Lite and Pro versions, the software lets you instantly access trip information, adjust parameters and review/clear fault data using easy-to-follow help features and wiring and sensor location diagrams. For more details, visit insite.cummins.com.

ENGINE CONTROL MODULES

We offer two advanced modules specifically designed for G-Drive engines:

ON-ENGINE INTEGRATED FUEL AND ENGINE FEATURE CONTROLS, PROVIDING:

- A simplified OEM interface with hardwired and electronic multiplexing capabilities
- An integrated engine sensor suite and harness
- Certified operation with most genset controllers

ROBUST ENGINE CONTROL SOFTWARE, INCORPORATING:

- Three G-Drive control features for:
  - Fixed speed operation at 1500 or 1800 rpm
  - Adjustable speed bias, frequency offset, droop and engine response gains plus paralleling
  - Idle/rated and alternate frequency controls
- High-speed serial data communications for engine control, operational data and diagnostic messages
- OEM adaptability with service tool trims
- Engine torque and speed management with high-pressure common rail fuel injection
- Engine protection features to prevent overspeed, low oil pressure and high engine temperatures
- Extensive diagnostics and fault reporting, duty cycle mapping, trend logging and fault snapshot logs
- Service tool support via Cummins INSITE and InPower

LEADING THE WAY IN LOW-EMISSIONS TECHNOLOGY

A pioneer in low-emission engines, we take a fresh approach to power generation, helping to protect the world for the future.

MEETING AIR QUALITY STANDARDS

Whatever the power need or application — from rental power to ground power units and from mining to RTG cranes — we design our G-Drive engines to not just deliver exceptional performance but also to help keep our air cleaner and our planet greener.

For over a decade, we have pioneered the development of diesel engines that reduce pollutants like nitrogen oxides (NOx), hydrocarbons (HC) and particulate matter (PM), so ensuring our products conform to emissions limits set by the EPA and EU.

We are proud to be:

- Leading the way with clean, fuel-efficient 65-280 kWe 60 Hz Tier 4 Final engines that are ready to meet EPA Tier 4 and EU Stage V low-emissions standards.
- The first manufacturer to have launched EU Stage IIIA-compliant generator-drive engines in Europe and introduced EPA Tier 2 and 3 generator-drive engines ahead of regulatory deadlines.
- The only manufacturer to offer dual-speed generator-drive engines in the 60-220 kVe 50 and 60 Hz classes that are both EPA Tier 4 Final and EU Stage V compliant at both speeds.
- The leader in innovative emissions solutions that focus predominantly on in-cylinder design improvements to eliminate most NOx, HC and PM before they are formed.

QUANTUM TECHNOLOGY

Our groundbreaking Quantum technology enables our G-Drive engines to operate with a common set of application and diagnostic software tools. This simplifies engineering installation and servicing for GOEMs and operators whilst enabling easier monitoring and analysis of engine performance, all helping to enhance power and ensure emissions requirements are constantly met.

ADVANCED ELECTRONIC ENGINE CONTROLS

Our state-of-the-art electronic sensors and microprocessor-based engine controls compensate for load, temperature, fuel energy content, barometric pressure and even engine wear, thus improving fuel efficiency and power output while cutting NOx and PM production.

IMPROVED COMBUSTION CHAMBER GEOMETRY

Using computer simulation of the combustion event, our engineers have altered the combustion chamber geometry in our G-Drive engines to enhance compression ratios and fuel and air mixing. The result is a significant drop in emissions and, through the lowering of piston temperatures and cylinder pressures, considerably reduced mechanical stress.

ENHANCED FCD CAST IRON PISTONS

New Ferrous Cast Ductile (FCD) single-piece, cast iron pistons in our high-horsepower engines enable greater expansion and contraction during thermal cycles, boosting power cylinder durability by as much as 15%. Our Tier-compliant designs also use piston-cooling nozzles for a higher oil flow rate, a nitrided cylinder liner for reduced oil consumption and wear, plus a simplified valve train to minimise loading on crankshafts and gear train.

OPTIMISED FUEL INJECTION SYSTEMS

Our improved injection timing, injection pressure and nozzle design all enhance control of NOx and PM pollutants. In addition, our high-pressure common rail fuel system on our QSB5, QSB7 and QSL9 engines reduces noise and stress on engine parts for greater durability, while the modular common rail systems on our QSK19, QSK38, QSK50, QSK60 and QSK95 models do much the same on our higher horsepower engines.

HIGH-PRESSURE COMMON RAIL

Higher injection pressures from new fuel injection systems improve fuel atomisation, assist combustion chamber penetration for better cold starting and response to transient load and enhance engine performance. Benefits include:

- Reduced noise and smoke
- Improved idle stability
- Better low-end torque
- Cleaner combustion

Our advanced in-cylinder combustion control offers the following advantages:

- Uses proven engine platforms with no displacement or base-engine changes
- Avoids complicated engineering such as exhaust gas recirculation (EGR) or major changes to turbocharging or cooling
- Tolerates high-sulphur fuel

DUAL-SPEED ENGINES

We are the only manufacturer to offer dual-speed, diesel generator drive engines from 4.5 to 60 litres. Utilising advanced technology, these sophisticated engines provide assured compliance with the most stringent EPA Tier 4 and EU Stage V standards at both 50 and 60 Hz, making them a cost-effective and versatile choice for rental and mobile applications.

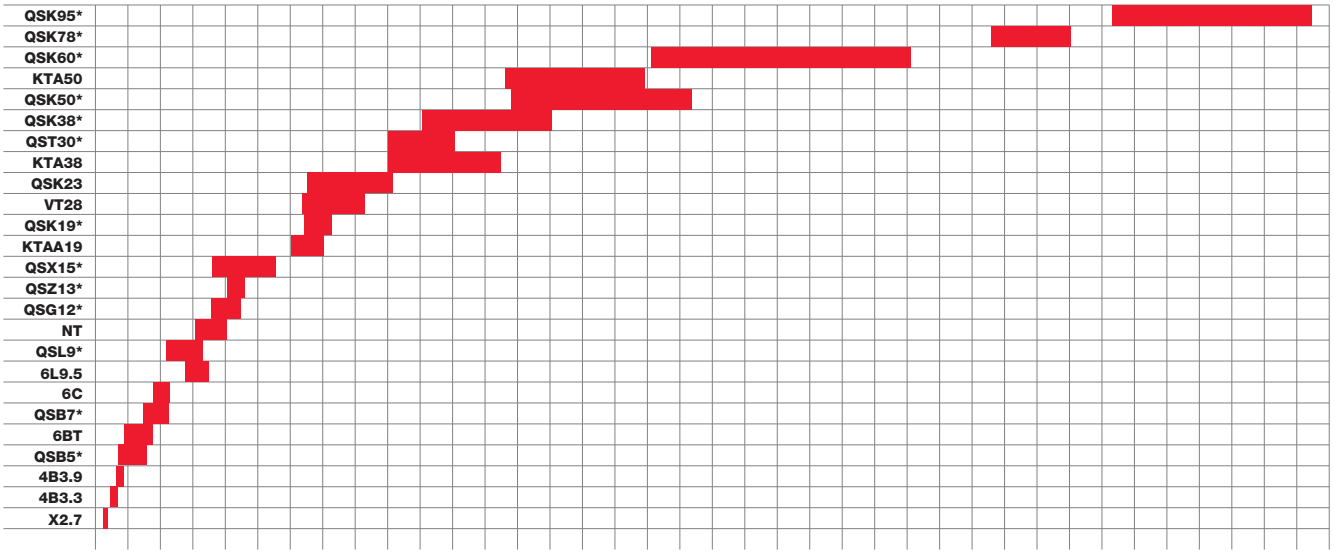
PICK YOUR ENGINE. THE RIGHT PRODUCT MATTERS.

We guarantee we have a solution for you to match your power ratings. Whether you need standby/emergency, continuous or prime power, our comprehensive power ratings overlap across engine displacements, so you can choose exactly the right G-Drive product for your application.

With our 50/60 Hz product range, you also have the choice between a bare engine (Stanfast) or a bare Engine with Cooling and Intake Air Handling system (CoolPac).

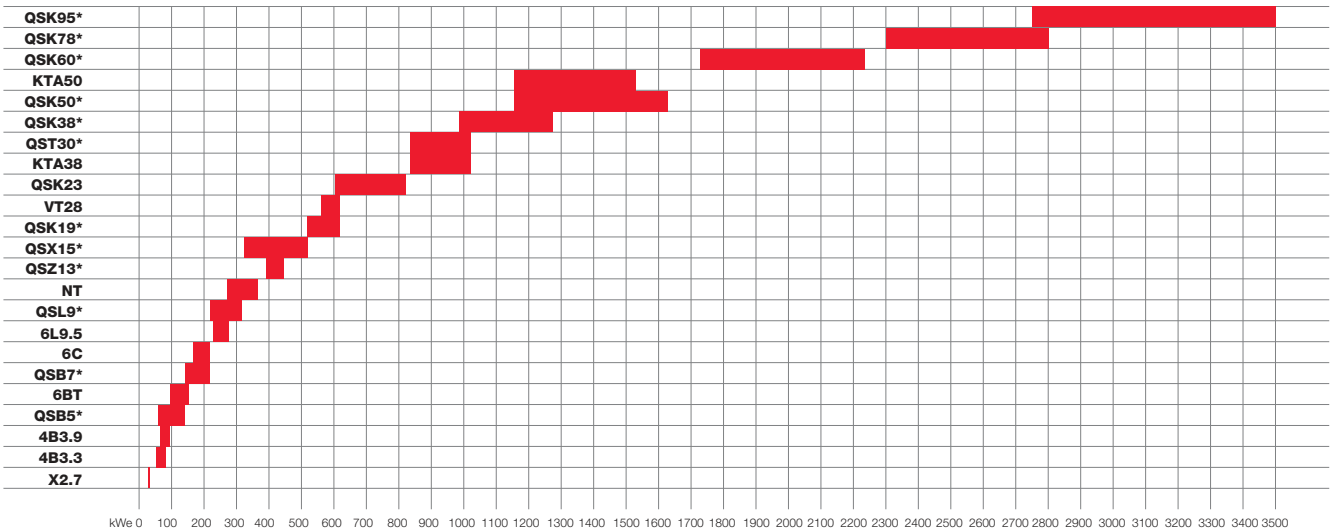
Equipped with a full portfolio of technology and product options, we deliver effective power solutions to help keep the world on the move… this is what Cummins Diesel G-Drive Engines are all about.

50 HZ (1500 RPM) PRODUCT RANGE.



* Includes Emissioned Engines

60 HZ (1800 RPM) PRODUCT RANGE.



* Includes Emissioned Engines

DIESEL G-DRIVE ENGINES FOR ALL APPLICATIONS

Covering everything from 27 to 3750 kVA at 50 Hz and 22 to 3500 kWe at 60 Hz, the Cummins Diesel G-Drive range offers the broadest product line-up in the world along with the power ratings to match. What's more, our family of engines features products for virtually every need and location, from Ultra Low Emissions Regulated models to emissionised Regulated units and robust Unregulated engines — many in pre-assembled CoolPac sets. With this unparalleled strength and versatility, it's no wonder Cummins Diesel G-Drive engines power more types of equipment in more markets than any other make of engine.

TIER 4 FINAL EMISSIONS CERTIFIED

QSF2.8

45-62 HP / 44 KWE 60 HZ **2.8 LITRE / 4 CYLINDER**

Smaller, Stronger and Simpler
Small, light and fuel-efficient, the 2.8-litre QSF delivers strong performance comparable to that provided by larger engines up to 3.6 litres. Installation gets simper with Cummins Compact Catalyst exhaust aftertreament, a “fit and forget” design that never needs any operation input or maintenance. The High-Pressure Common Rail (HPCR) fuel injection, together with full-authority electronic controls and a Cummins wastegated turbocharger, combine to provide for a torque delivery.

QSB5/QSB7

160-220 KVA 50 HZ / 54-200 KWE 60 HZ **4.5/6.7 LITRE / 4/6 CYLINDER**

Powerful Performers
Driven by a High-Pressure Common Rail fuel system, advanced turbocharging technology and proven full authority electronic controls, the QSB engine series is one of the cleanest, most compact products that meets the EPA Tier 4 Final emissions and EU Stage IIIB. It comes with a proven ability to deliver top performance in the most demanding conditions such as low load and low ambient, without compromising reliability.

QSL9

275-300 KVA 50 HZ / 250-275 KWE 60 HZ **8.9 LITRE / 6 CYLINDER**

Power with Intelligence
Offering outstanding power performance, this low emission model handles the toughest conditions, delivering greater fuel economy, better cold starting capability and lower operational noise. Features include a High-Pressure Common Rail fuel system for strong performance, full-authority electronic control for precise engine manipulation and a low-maintenance filter assembly to minimise downtime.

QSX15*

318-500 KWE 60 HZ **15 LITRE / 6 CYLINDER**

A Revolution in Diesel Power Generation
Providing uncompromising power coupled with ultra low emissions in a compact package, the QSX15-Series is the first heavy-duty diesel engine with 24-valve dual overhead camshaft technology. Using 30% fewer parts than comparable diesels, it is engineered to eliminate external lube, coolant and fuel lines for higher reliability at high power output. Ideal for open and enclosed applications in static or portable equipment, it can be matched to meet the specific duty cycle and operating conditions of any generator set.

*Tier 4 Interim only. Tier4F to be released in 2020.

DIESEL G-DRIVE ENGINE PRODUCT RANGE

X-SERIES

25-36 KVA 50 HZ **2.7 LITRE / 3 CYLINDER**

Quiet, Durable and Efficient
Compact, light and economical, our X-Series engines offer the lasting strength and durability that are hallmarks of the G-Drive range. As well as a high degree of installation flexibility, each engine has direct fuel injection for cleaner, quieter and more fuel-efficient operation. Plus, it's encased in a highly compact envelope with ultra-low heat rejection.

4BTAA3.3/6B5.9

60-170 KVA 50 HZ / 30-135 KWE 60 HZ **3.3/5.9 LITRE / 4/6 CYLINDER**

Small Engines - Big Possibilities
Small, light and economical, our 4BTAA3.3 and 6B5.9 engines include direct fuel injection for a cleaner, quieter, more fuel-efficient performance and offer outstanding value in terms of installation, simplicity and servicing. The 4BTAA3.3 and 6B5.9 engines also have fewer parts, leading to lower maintenance costs. These versatile engines have established an unrivaled reputation for reliability. All the engines in this series perform well under severe duty cycles and offer competitive fuel economies, substantial cooling capabilities, low noise and low weight for first class reliability.

QSB5/QSB7

60-220 KVA 50 HZ / 55-200 KWE 60 HZ **4.5/6.7 LITRE / 4/6 CYLINDER**

High-Performance Powerhouses
Built to ensure high-quality power in the most challenging conditions, the QSB-Series includes features, such as a common rail fuel system for greater fuel efficiency, less noise and lower emissions, that meet EPA Tier 3/EU Stage IIIA at 1500 rpm and 1800 rpm. Additional features include proven, full-authority electronic controls that optimise performance whilst delivering critical data to help control costs and reduce maintenance.

6C

182-220 KVA 50 HZ / 160-200 KWE 60 HZ **8.3 LITRE / 6 CYLINDER**

Proven Durability and Reliability
The 6C has been extremely sucessful, with thousands of engines in use around the globe. The ‘C’ series, 6 cylinder inline configuration engines with ‘Unitized’ block design are developed to deliver excellent reliability and durability. In-line fuel pumps and higher injection pressures help the C8.3 get more energy out of every drop of fuel, with less waste. This, combined with a high power to weight ratio and small footprints, makes ‘C’ series engine powered gensets the obvious choice for mission critical power.

NT855

320-400 KVA 50 HZ / 260-353 KWE 60 HZ **14 LITRE / 6 CYLINDER**

Premium Performance
From a series that is service-proven through millions of hours of operation in some of the world’s most demanding applications, the NT855 has been engineered to handle higher injection pressures with redesigned overhead arrangement, pistons, crankshaft and camshaft. A gear train with high contact ratio spur gears also eliminates unwanted thrust loads and reduces noise. In line with the rest of the NT family, the NT855 wide-ranging benefits include fuel efficiency, low oil consumption, reliable long life, high power and durability.

QSL9

225-330 KVA 50 HZ / 210-300 KWE 60 HZ **8.9 LITRE / 6 CYLINDER**

Robust Power with Advanced Diagnostics
Designed for heavy-duty performance, our robust QSL9-Series offers enhanced fuel efficiency, quieter operation and efficient cold starting capability. In addition, the engines feature full-authority electronic controls for advanced diagnostics and programming, plus a low-maintenance filter assembly for reduced downtime. As well as meeting EPA Tier 3/EU Stage IIIA emissions standards at 1500 rpm and 1800 rpm, the QSL engine platform will continue to be carried through to Tier 4i through 2015.

QSX15

350-550 KVA 50 HZ / 318-500 KWE 60 HZ **15 LITRE / 6 CYLINDER**

A New Era in Diesel Power Generation
The first heavy-duty diesel engine using 24-valve dual overhead camshaft technology, the QSX15-Series has an impressive 30% fewer parts than comparable diesels and boasts a design that eliminates external lube, coolant and fuel lines for greater reliability at high power output. Robust, clean, resilient and capable of matching the duty cycles and operating conditions of any application, the engines are ideally suited for both open and enclosed applications in either static or mobile equipment.

DIESEL G-DRIVE PRODUCT RANGE

6L9.5

214-350 KVA 50 HZ / 212-275 KWE 60 HZ **9.5 LITRE / 6 CYLINDER**

Capability, Reliability, Durability
Possessing one of the highest power-to-weight ratios in the industry, these 9.5 litre engines are robust performers capable of handling the most extreme conditions. Proven mechanical fuel pumps deliver high injection pressures with exceptional reliability, while electronic governor controls deliver superior engine speed stability and transient response. Its 24-valve design delivers increased power, faster response and improved fuel economy.

QSG12

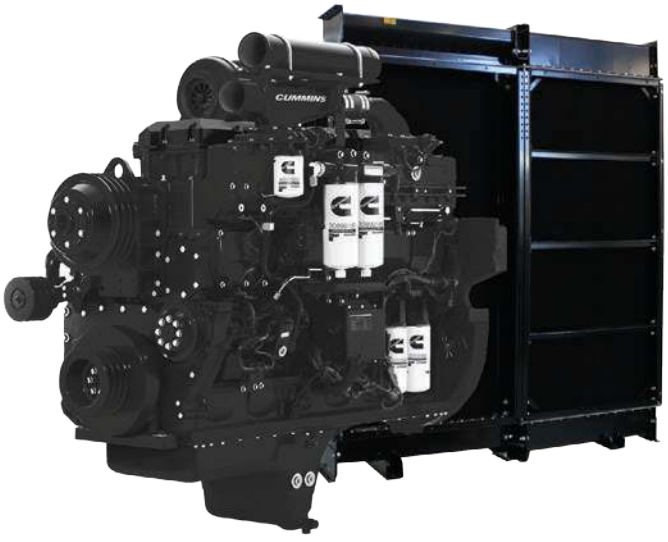
325-450 KVA / 260-360 KWE 50 HZ **11.8 LITRE / 6 CYLINDER**

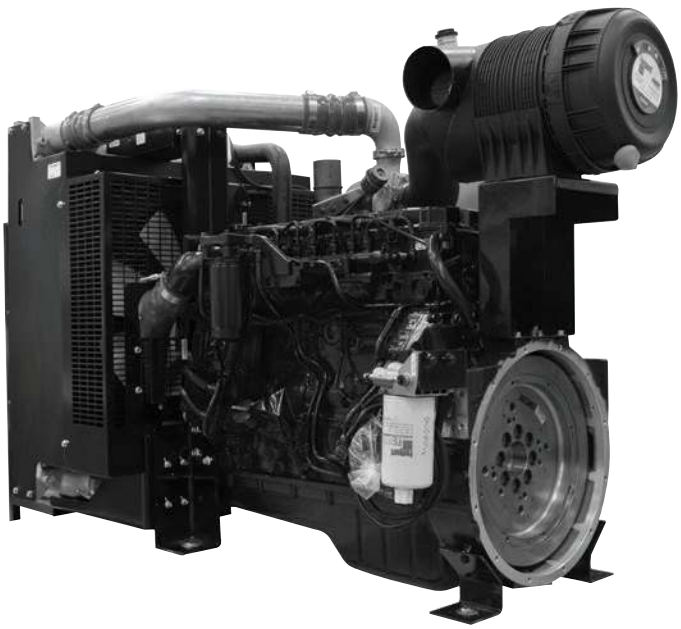
Advanced Intelligence
Cummins High-Pressure Common Rail (HPCR) fuel system enables faster, smoother power delivery with lower fuel consumption. Advanced microprocessor technology ensures fast connectivity and advanced engine protection capability, while patented filtration media extend maintenance intervals. Coupled with a 50°C ambient capable cooling system, the QSG12 delivers excellent derating performance at extreme temperatures and altitudes.

QSZ13

324-500 KVA 50 HZ / 280-440 KWE 60 HZ **13.0 LITRE / 6 CYLINDER**

Versatile Workhorse
The QSZ13 has full-authority electronic dual speed controls and a patented XPI fuel system with multiple injection events per combustion cycle for stronger, quieter performance with greater fuel efficiency. The QSZ13 has advanced filtration technology for extended service intervals and a 50°C ambient capable cooling system for higher derating thresholds at extreme temperatures and altitudes. The QSZ13 has all this in your choice of EU Stage II/EPA Tier 2 or EU Stage III/EPA Tier 3 models.





KTA19

324-550 KVA 50 HZ / 280-500 KWE 60 HZ **19 LITRE / 6 CYLINDER**

Versatile Workhorse
Used in the field for over 20 years, this rugged in-line six-cylinder diesel engine is designed for heavy-duty applications. Both turbocharged and aftercooled, this engine also has individual, four-valve design cylinder heads for improved economy and performance. It also features a dependable, direct injection Cummins PT fuel system for precise timing and fueling.

QSK19

600-715 KVA 50 HZ / 500-600 KWE 60 HZ **19 LITRE / 6 CYLINDER**

Power Efficiency for Every Application
Our first diesel engine to be 650 kVA capable in only six cylinders, the QSK19 is one of the most efficient ever in terms of power per displacement. Available with Cummins proven Quantum technology and dual frequency, it meets both EPA T2 and 2gTAL emissions standards, making it a totally programmable, fuel-efficient and resilient power solution for most applications.

VTA28

636-825 KVA 50 HZ / 545-600 KWE 60 HZ **28 LITRE / V12 CYLINDER**

Cost-Effective Power
The product of years of technical development and improvement, the VTA28-Series is recognised globally for its performance under even the most severe climatic conditions and is widely acknowledged as the most robust and cost-effective diesel engine in its power range.

Key design features include two large-capacity aftercoolers for more efficient combustion, dual camshafts for precise control valve and injector timing, a cooling system boasting a more even flow of coolant around the cylinder liners, valves and injectors and Cummins PT self-adjusting fuel system for overspeed protection independent of the main governor.

Note: VTA28-G5 engine specifications are unique for both 1500 rpm (50Hz) and 1800 rpm (60Hz) operations.

QSK23

660-900 KVA 50 HZ / 591-800 KWE 60 HZ **23 LITRE / 6 CYLINDER**

High Performance for Tough Applications
The QSK23-Series is designed to meet present and future competitive pressures and worldwide emissions regulations while delivering high fuel economy and high power density. Its inline, six-cylinder configuration — unusual for this high power output — offers a narrower, shorter installation, easier access and the benefit of fewer parts, making it inherently more reliable and extending its expected life cycle to 20,000 hours before first overhaul.

QST30

910-1000 KWE 60 HZ / 800-1100 KVA 50 HZ **30 LITRE / V12 CYLINDER**

Proven Performance 24/7
Sophisticated electronics and premium engineering give this QST30 Quantum series engine outstanding performance levels, delivering more power and torque in a smaller, cleaner package than many competitors. Setting the standard for rugged, dependable power, the engine uses Ductile Iron pistons to provide the improved strength and durability to handle increased cylinder pressure, ensuring longer life cycles to overhaul.

KTA38/KTA50

910-1675 KVA 50 HZ / 1135-1500 KWE 60 HZ **38/50 LITRE / V12/16 CYLINDER**

Premium High Performance Power
Maintaining their outstanding reputation for high performance power even in the harshest conditions, the latest KTA range is jacket water aftercooled with a 2-pump, 2-loop cooling system design. Its inbuilt step timing control system ensures optimum engine timing at all combinations of load and ambient temperatures, improving cold starting and reducing light load fuel consumption to greatly enhance engine efficiency.

QSK38

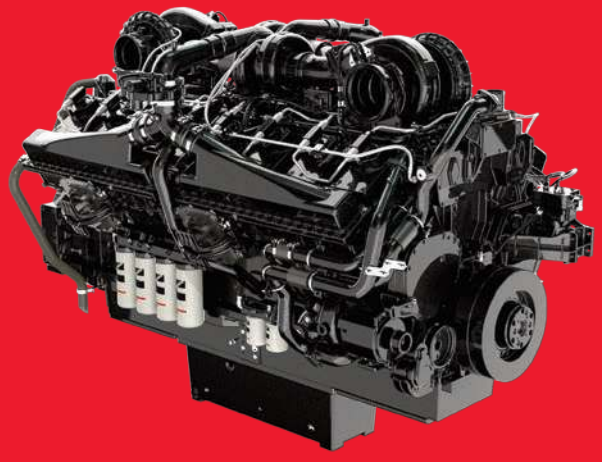
1000-1400 KVA 50 HZ / 965-1250 KWE 60 HZ **38 LITRE / V12 CYLINDER**

Premium Engineering for Exceptional Performance
Reliable, versatile, efficient — our QSK38-Series utilises premium engineering for exceptional performance. The Quantum engines are equipped with a high-pressure fuel pump, Modular Common Rail Fuel System (MCRS) and state-of-the-art electronic controls for superior efficiency and diagnostics. This is coupled with durable, 2-pump, 2-loop Low Temperature Aftercooling (LTA) and highly efficient turbocharging for lower emissions and fuel consumption.

QSK50

1275-1825 KVA 50 HZ / 1135-1600 KWE 60 HZ
50 LITRE / V16 CYLINDER

Controlled High Performance Power
This series uses our state-of-the-art Quantum system to provide advanced engine manipulation and an enhanced electronic feature set. The configuration also includes new injectors, pistons, turbos, valve covers and a 2-pump, 2-loop Low Temperature Aftercooling (LTA) system to meet EPA Tier 2 mobile off-highway emission levels, making the QSK50 one of the cleanest engines in its class.



QSK60

1700-2250 KVA 50 HZ / 1700-2200 KWE 60 HZ **60 LITRE / V16 CYLINDER**

Superior Performance and Durability
Combining sophisticated electronics with advanced engineering, this series takes power generation to the next level. The product of extensive research and development, its advanced combustion techniques ensure stringent EU and EPA-MOH emissions requirements are met and operation is virtually smoke-free. Specifically designed for extended life — achieving over 20,000 hours of operation before overhaul — the new component configuration sets a new benchmark for low cost operation.

QSK78

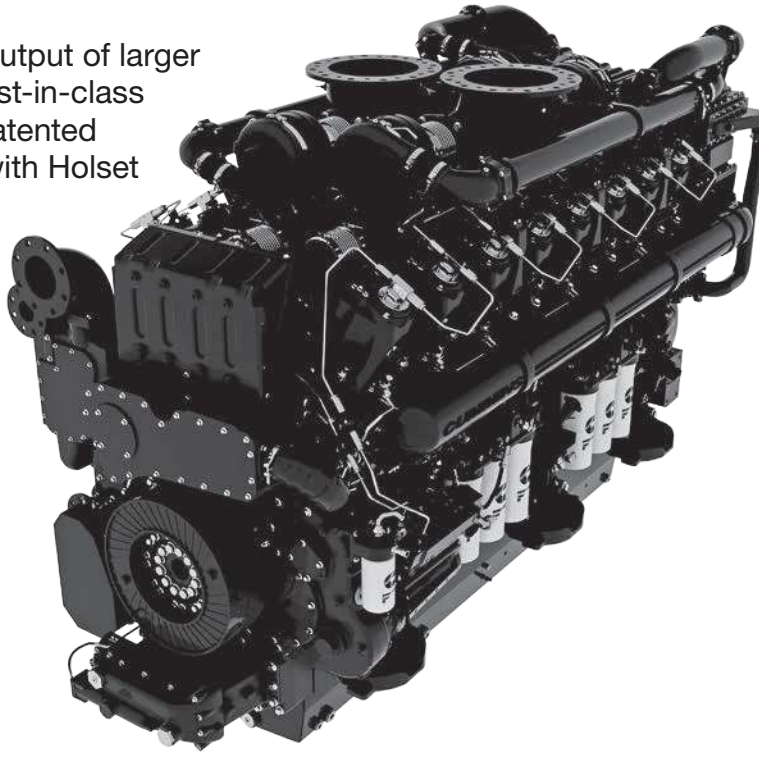
2750-3000 KVA 50 HZ / 2275-2750 KWE 60 HZ **78 LITRE / V18 CYLINDER**

Ultimate Power and Performance
The QSK78 provides the optimal combination of productivity and performance and incorporates the best features of our QSK Series engines, including advanced combustion technology and robust base engine components, providing the highest power density in its class. Extended Service options of Eliminator™ and Centinel™ can provide extended oil and filter change intervals and reduce downtime and service costs.

QSK95

2600-3760 KVA 50 HZ / 2410-3500 KWE 60 HZ **95.3 LITRE / 16 CYLINDER**

Outperforming Larger Engines
The 60° 16-valve QSK95 delivers the power output of larger engines in a compact size while delivering best-in-class transient performance. The combination of patented Modular Common Rail Fuel Injection paired with Holset quad turbos allows the QSK95 to meet ISO8528-G3 and NFPA 110 standards, taking the full rated load in a single step. Reliability is enhanced through advanced filtration media, rapid priming and redundant fuel filter and starter options.



GLOBAL REACH. LOCAL SUPPORT.

Cummins G-Drive engines are at work around the world, helping provide prime standby and continuous power to a huge range of applications — all backed by Cummins global network.

Our diesel and natural gas engines provide reliable power solutions to thousands of generator set applications around the world, making Cummins Gas G-Drive one of the most globally trusted brands in power generation today.

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Our international coverage means we'll be there wherever you need us, providing you with face-to-face partnerships on the ground and full service supply and support on a global scale.

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For almost a century, Cummins G-Drive Engines, a division of Cummins Inc., has been continuously investing in research and development. The high performance and low-emissions standards of our products have been setting the benchmark in our industry across a range with over 50 models at both 50 Hz and 60 Hz to deliver diesel engines from 2.5 to 95 litres.

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