



**Rental Power™**

## **Product Description Example**



Whether for prime, continuous, or backup power applications, the Construction market requires robust engines that provide reliable performance at high ambient temperatures and altitudes.

Cummins® Rental Power™ units meet even the toughest requirements. Units deliver not only high performance but also achieve strict environmental compliance standards and provide substantial cost savings.



### **QSB7-G9**

Frequency (Hz)	50, 60	
	kW	kVA
<b>Standby</b>	128-200	160-250
<b>Prime</b>	116-180	145-225

### **Highlights**

- Gain the freedom to spec across geographies and terrains thanks to unaided cold-start capability.
- Achieve high performance even in harsh and dusty environments with heavy-duty air filter availability.
- Enjoy smooth transitions from 50 to 60 Hz (and vice versa) via switchable/dual speed engines for Diesel G-Drive
- Lower your diesel fuel consumption requirements in prime applications with G-Drive's world-class fuel injection system.

- Lessen the total costs of ownership and maintenance via longer lube oil and air filter service intervals. Plus, extend overhaul periods (over 20,000 hours on some of Cummins' most popular G-Drive engines).
- Eliminate the need to maintain more than one supply chain thanks to a complete range of diesel products—from (10 to 2750 kVA Prime Power at 50 Hz and 9 to 2500 kW Prime Power at 60Hz) and gas products (from 195 to 355 kW Continuous Power at 60Hz)
- Achieve compliance for strict worldwide emissions, including EPA T3/T4i and EU SIIIA (MR/HD G-Drive engines) and T2 and 2g TAL (HHP G-Drive engines), and Tier2 non-road (MOH).
- Ensure high product quality and rigid engineering guideline adherence via close collaboration with dedicated Cummins application engineering teams.
- Increase self-reliance by taking advantage of training sessions organized at Cummins' plants around the world.
- Give your rental customers maximum uptime, easy access to parts, lower inventory requirements, and service responsiveness anywhere in the world with Cummins' unrivaled global service and support network.

## **Features**

### **Cummins diesel engines**

- U.S. Tier IV Final and EU SIIIA certified Cummins QSB7-G9 engines that meet emission limits without using a Diesel Particulate Filter (DPF)
- Dual speed engine for operation at 50 or 60 Hz
- Advanced electronic engine controls with integrated after-treatment system provide superior fuel efficiency while reducing emissions.
- High-pressure common-rail fuel system reduces engine noise and smoke.
- Cummins Direct Flow™ air filtration offering improved air management, longer service life, and easier serviceability.
- 2-stage fuel filtration with optimum particle and water separation

### **Control features**

- The most advanced, reliable and capable generator set control system on the market today.
- PowerCommand 3.3© with Masterless Load Demand (MLD) technology enables smartly adapting power to match varying load demand. MLD capable generators allow sharing of information among paralleled generator sets
- Controls provide precise frequency and voltage regulation, alarm, and status message display in one easy to operate customer interface.

### **Engine controls**

- Oil pressure and coolant temperature gauge
- Fuel level gauge, Diesel Exhaust Fluid (DEF) level gauge, and battery voltage gauge
- Hour meter
- The engine control module includes remote start capability
- Stamford alternators
- 12-lead reconnectable alternators fitted with voltage selection switch
- Permanent magnet excitation for improved performance in non-linear load applications

### **Rental package enclosure**

- Camlock distribution panel
- Sound attenuated, white powder-coated lockable enclosure
- 24-hour fuel tank (75% Prime) with gauge
- Roof-mounted, single point lift
- Cooling system rated for 122 °F (50 °C) at 100% Standby ambient
- Complete engine fluid containment reservoir
- Four position voltage selector switch (277/480 or 139/240 or 120/208 VAC 3 phase or 120/240 VAC 1 phase)
- Shore power (15 A/120 V) – for coolant heater and battery charger
- Conveniently located analog gauges and heated
- Human Machine Interface (HMI) display

### **Rental package options**

- Optional Auxiliary Fuel and DEF connections
- DOT approved electric brake trailer with heavy-duty center-mounted jack, ball or pintle hitch
- DOT approved hydraulic brake trailer with heavy-duty center-mounted jack, ball or pintle hitch

### **Specifications**

Engine model: QSB7-G9

Alternator datasheet: UCI274F (208/240/480)

Tier rating: Tier IV

Design: 4 cycles, in-line, turbocharged, and after-cooled

Bore: 107 mm (4.21 in.)

Stroke: 124.0 mm (4.88 in.)

Displacement: 6.69 liters (408 in<sup>3</sup>)

Cylinder block: Cast iron, in-line 6 cylinder

Battery capacity: 2 x 760 cca

Battery charging alternator: 70 amps

Starting voltage: 24-volt, negative ground

Fuel system: Direct injection HPCR system

Fuel filter: Dual spin-on fuel filter with water separator

Air cleaner type: 2-stage, dry replaceable element with dust ejector

Lube oil filter type(s): Single spin-on, full flow

Standard cooling system: 122 °F (50 °C) ambient radiator