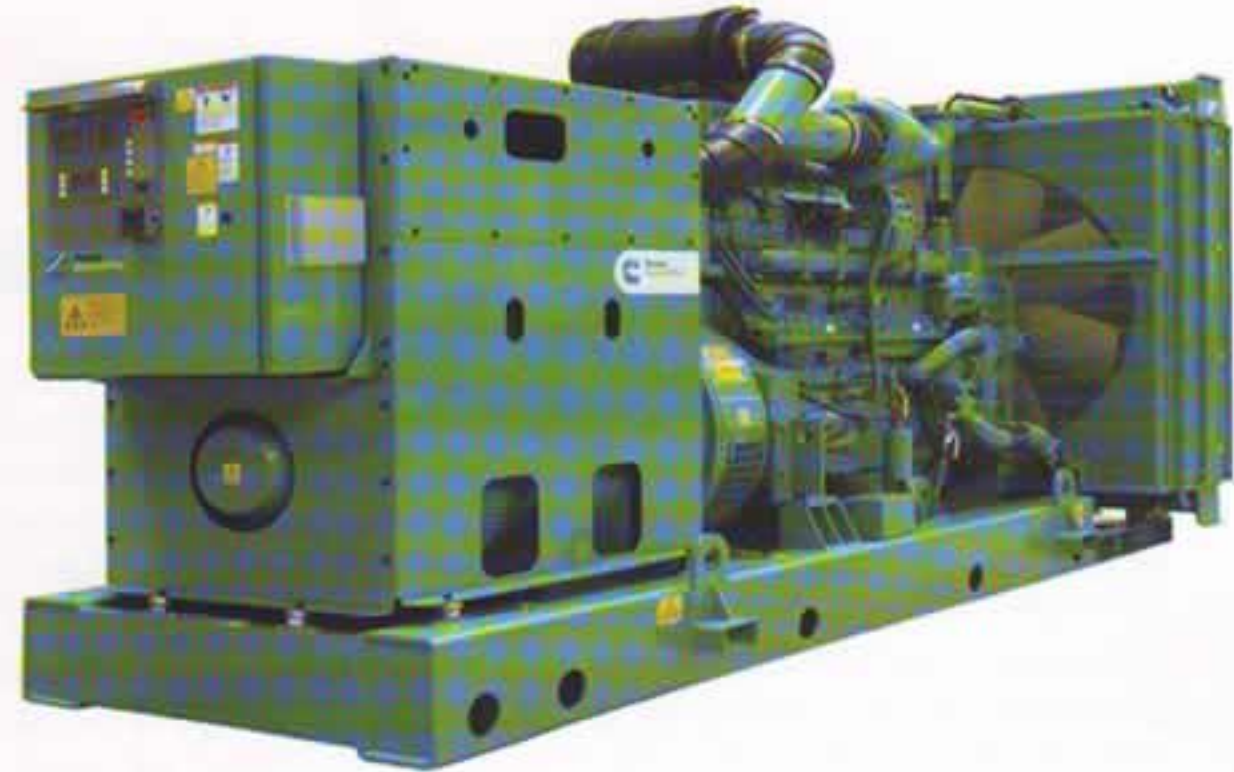




**Power
Generation**

Diesel Powered Generating Sets 608 kW - 715 kW 50 Hz QSK23 Series Engine



Standard Genset Features

Cummins[®] Heavy-Duty Engine

- Rugged 4-cycle industrial diesel engine delivers reliable power and low emissions.
- Full authority engine

Alternator

- Low reactance 2/3 pitch
- Class H insulation, IP 23
- 12 Lead Reconnectable
- Low voltage distortion with non-linear loads

Permanent Magnet Generator (pmg)

- Enhanced motor starting
- Fault-clearing short circuit capability
- Excitation system isolated from non-linear loads

Full Load Pick-Up

- PowerCommand[™] Gensets accept 100% of full nameplate standby rating in one step, in compliance with NFPA110

Single-Source Responsibility

- Design, manufacture and test of all major set components and accessories by Cummins Power Generation and affiliated companies

Single-Source Warranty

- All generator set components and systems are covered by one year prime or two year standby warranty
- Optional extended warranty programs available

PowerCommand System Control Features

Integrated Control System

- Microprocessor control system
- Reliable and optimum genset performance
- Integrated governor and voltage regulation system
- RFI/EMI and surge tested and approved

Alarm and Status Message Display

- Information on all critical parameters of the genset

Ampsentry[™] Protection

- Power management system that guards the electrical integrity of the alternator and power system from the effects of overcurrent, over/under voltage, under frequency and overload conditions

Battery Monitoring System

- Battery load test each time the engine is started
- Alarm for weak battery condition
- Monitors the battery system for low and high voltage

AC Output Metering

- RMS digital metering
- Analogue metering indication of operating trends

Genset Monitoring

- Monitors status of all engine and alternator functions
- Digitally displays status of all engine and alternator functions
- Monitors and detects engine sender failures

UL508 Listed Control Panel

- Single-membrane panel and gasketed enclosure

Smart Starting Control System

- Multi-functional digital control system integrates fuel ramping and field excitation to minimise frequency and voltage overshoot and limit black smoke

Optional PowerCommand Digital Paralleling Control

- The PowerCommand Control can be equipped to provide digital paralleling controls for synchronising and load sharing on-set




Quality Assurance
Registered Firm Certificate Number FM509 in accordance with:
BS EN ISO 9001
Quality Assurance Schedule 3420/1



Cummins Power Generation, Cummins Engines and Newage Alternators are all part of the same group

50 Hz Ratings				
Model Prime	Prime kVA (kW)	Model Standby	Standby kVA (kW)	Engine Model
608 DQCB	760 (608)	672 DQCB	840 (672)	QSK23G3
651 DQCC	814 (651)	715 DQCC	894 (715)	QSK23G3

A Single Source for all Power System Solutions