

Rental Power 2000 kW



> Specification sheet

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Description

This Cummins Power Generation rental package is a fully integrated mobile power generation system, providing optimum performance, reliability and versatility for standby and prime power applications.



This generator set is designed in facilities certified to ISO9001 and manufactured in facilities certified to ISO9001 or ISO9002.



All low voltage models are CSA certified to product class 4215-01.



The Cascade controller is Listed to UL508 - Category NITW7 for U.S. and Canadian usage. Circuit breaker assemblies are UL489 Listed for 100% continuous operation.

U.S. EPA

Certified to U.S. EPA Mobile Off-Highway Standards.

Features

Cummins diesel engines

- Lightweight, compact, and excellent fuel economy.
- Operate at up to 45° C (113° F) with no effect on output.
- Equipped with heavy duty air cleaners and bypass-type oil filters.
- Equipped with electronic governor.
- Includes jacket water heater for more reliable operation in emergency standby applications.

Engine controls

- The most advanced, reliable, and capable generator set control system available in the market today.
- Integrated generator set governing, voltage regulation, protection, and paralleling functionality in one easy-to-operate customer interface.
- Multiple units and grid paralleling capable.
- Remote monitoring and operation ready.
- Integrated ground fault indication.
- Optional freestanding, electronically operated, closed-transition transfer switches are available.

Stamford® alternators

- Designed and built by Cummins Power Generation.
- Oversized alternator for improved motor starting and low temperature rise in prime and continuous applications.
- Permanent magnet excitation for improved performance in cyclic and non-linear load applications.

| Model | kW rating | | Cummins engine model | Sound level dBa @7m | Generator specification sheet # | Hours of operation (75% load) | |
|-------------|-----------|-------|----------------------|------------------------|---------------------------------|-------------------------------|-------|
| | Standby | Prime | | | | Standby | Prime |
| DQKC | 2000 | 1800 | QSK60-G6 (2P/2L) | 80.5 | S-1383 | 20 | 22 |

Cummins cooling system

- Optimized for maximum efficiency and minimum noise.
- Propylene glycol coolant for greater environmental protection.

Custom switchgear

- Designed and built to meet severe customer requirements.
- Equipped for total remote automatic monitoring and control for stand alone, paralleling, or emergency standby applications.
- Easy connection to existing installations using lugs or installed CAM-LOK® connectors.
- 2-unit parallel capability using installed switchgear, allowing 100% redundancy or increased capacity (optional).
- 5-cycle closure, motor-operated circuit breaker for automatic paralleling.
- Convenient shore power connection provides power to interior lighting, jacket water heaters, battery charger, and alternator anti-condensation space heaters allowing quick starts even in arduous applications.
- Easy connection to PowerCommand PLTR switchgear providing fully featured microprocessor based power transfer capability.

ISO Container Enclosure

- Purpose built 40-foot high cube ISO container.
- Easy to transport.
- Optimal unit protection with minimum size.
- Optimized fuel capacity with UL142 Listed/NFPA30 compliant fuel tank.
- Fluid containment design for greater environmental protection.
- Sound attenuated to minimize impact on local environment.
- Vertical cooling air and engine exhaust path to minimize sound level adjacent to the container.
- Equipped with 120 VAC and 24 VDC lighting.

Running Gear

- 40-foot triple axle chassis.
- Air-ride suspension equipped for the softest ride in the industry.
- Anti-lock brake system.
- 200,000 pound (static load) landing gear.

Control System



Optional Features Shown

PowerCommand digital generator set control Operator panel features

- Emergency stop switch
- Indicating lamps for remote start, Not In Auto, common shutdown, and common warning
- Fault reset switch
- Panel lamp/lamp test switch
- Exercise switch and indicating lamp
- Manual run/stop switch
- Off/manual/auto mode select switch
- Graphical display panel with pushbutton switches capable of displaying up to 9 lines of data approximately 26 characters wide, as well as graphical characters
- Analog AC metering panel for simultaneous monitoring of 3-phase AC voltage and current, kW, power factor, and frequency. Voltage, current and kW are scaled in % of nominal values. All values are color-coded to indicate normal, warning and abnormal operating conditions
- Single membrane front panel with construction providing NEMA 3R/IP53 protection.

Standard features

- Isochronous governing
- 3-phase sensing voltage regulation with single and three phase fault current regulation
- AC output protection including over/under voltage, over/under frequency, overcurrent, short circuit, and overload (kW)
- Engine control and monitoring system with displays for oil pressure, oil temperature, engine coolant temperature, engine speed, battery voltage and other values

- Generator set protection system including AC output protection alarms, engine pressure, temperature warning, shutdown functions, low coolant temperature, low coolant level, low fuel level, failure to crank, failure to start and overspeed
- Operator adjustments for time delay, start/stop, engine speed, and overspeed
- Technician setup menu
- Status and data display functions including engine operating hours, kW hour productions, AC metering functions and fault history

Optional features

- Alternator temperature alarms
- Automatic mains failure control
- Control anti-condensation heater
- Digital paralleling controls
- Echelon LonWorks interface
- Generator running relay contacts
- Key-type mode control switch

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S-1370d (3/07)



Ratings definitions

Standby:

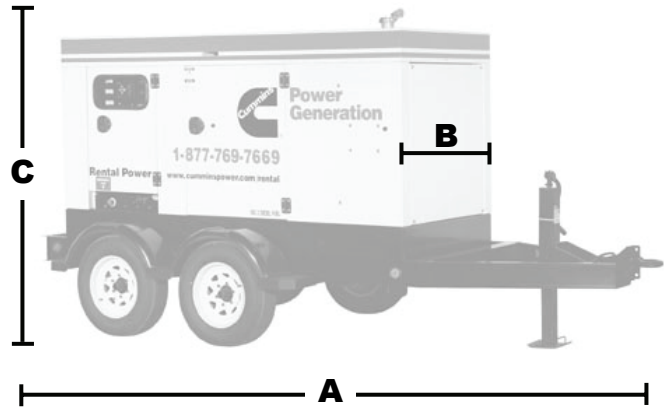
Applicable for supplying emergency power for the duration of normal power interruption. No sustained overload capability is available for this rating. Nominally rated. (Equivalent to Fuel Stop Power in accordance with ISO3046, AS2789, DIN6271, and BS5514.)

Prime (unlimited running time):

Applicable for supplying power in lieu of commercially purchased power. Prime power is the maximum power available at a variable load for an unlimited number of hours. A 10% overload capability is available for limited time. Nominally rated. (Equivalent to Prime Power in accordance with ISO8528 and Overload Power in accordance with ISO3046, AS2789, DIN6271, and BS5514.)

Base load (continuous)

Applicable for supplying power continuously to a load for this rating. Nominally rated. Consult authorized distributor for rating. (Equivalent to Continuous Power in accordance with ISO8528, ISO3046, AS2789, DIN6271, and BS5514.)



Dimensions

| Model | Dim "A" mm (in.) | Dim "B" mm (in.) | Dim "C" mm (in.) | Weight w/o fuel kg (lbs) | Weight with fuel kg (lbs) | Fuel capacity liters (gal) |
|-------------|---------------------|---------------------|---------------------|-----------------------------|------------------------------|-------------------------------|
| DQKC | 12192 (480) | 2438 (96) | 4115 (162) | 32455 (71400) | 39006 (85813) | 7684 (2030) |

Note: All weights and dimensions are without trailer.

Cummins Power Generation

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