

# Rental Power 35 - 60 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

- Rugged 4-cycle industrial diesel engine with excellent transient performance.
- Certified to U.S. EPA Mobile Off Highway Standards.
- Lightweight, compact, and excellent fuel economy.
- Equipped with electronic governor.
- Includes jacket water heater for more reliable operation in emergency standby applications.

#### Engine controls

- The standard Detector™ control features NFPA 110 compliance.

#### 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.
- 12-lead reconnectable alternator fitted with voltage selection switch.

Model	kW rating		Cummins engine model	Sound level dBa @7m	Generator specification sheet #	Hours of operation (75% load)	
	Standby	Prime				Standby	Prime
<b>DGBB</b>	35	32	4B3.9-G2	68	S-1111 (50 Hz) S-1110 (60 Hz)	38	41
<b>DGBC</b>	40	35	4B3.9-G2	68	S-1115 (50 Hz) S-1114 (60 Hz)	35	38
<b>DGCA</b>	50	45	4BT3.9-G4	68	S-1116 (50 Hz) S-1113 (60 Hz)	27	29
<b>DGCB</b>	60	55	4BT3.9-G4	68	S-1118 (60 Hz)	24	26

**Electrical features**

- Multiple voltage selector switch (480/277 VAC/3 phase/Wye or 208/120 VAC/3 phase/Wye or 240/120 VAC/3 phase delta).
- Internal 120 VAC shore power distribution panel for powering:
  - Jacket water heater.
  - Battery charger.
  - GFI-protected convenience receptacles.
- Battery disconnect switch.
- Safety switch on load connection cover.
- Low fuel level and retention tank fluid detection alarms.

**Base frame/fuel tank**

Fabricated field style sub-base fuel tank including:

- Fork lift pockets.
- 4-point lift compatible.
- Mechanical direct reading fuel gauge visible from internal tank fill port.
- 4" x 2" square ID mounting fixtures (for distribution equipment and convenience panels).
- Grip-strut steps at both ends.
- 4" pass-through tubes at both ends.
- Complete fluid containment reservoir for engine fluids.
- NFPA 30 compliant fuel tank design..
- UL 142 Listed dual wall fuel tank with:
  - Vented retention tank.
  - Retention tank fluid detection alarm.
  - Low fuel level alarm.
  - Vertically extended normal vents to ensure complete filling without spillage.
  - Fittings for AFTS (Automatic Fuel Transfer System)

**Control System**



Optional Features Shown

**Detector control**

- Automatic remote starting
- Controls components designed to withstand the vibration levels typical in generator sets
- Controls generator set starting and shutdown

**Standard Detector 12 light (NFPA 110) control description**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• 12 light engine monitor (NFPA 110 level)</li> <li>• Common alarm contact</li> <li>• Coolant temperature gauge</li> <li>• Cycle cranking control</li> <li>• DC voltmeter</li> <li>• Field circuit breaker</li> <li>• Individual 1/2 A relay signals</li> </ul> | <ul style="list-style-type: none"> <li>• Lamp test switch</li> <li>• Oil pressure gauge</li> <li>• Remote starting, 12 V, 2 wire</li> <li>• Reset switch</li> <li>• Run-off-auto switch</li> <li>• Running time meter</li> </ul> |
|--|--|

**Standard features**

- 5% voltage adjust rheostat
- AC ammeter (dual scale)
- AC voltmeter (dual scale)
- Dual scale frequency/tachometer
- Engine gauges
- High coolant temperature shutdown (red light)
- Low coolant temperature (yellow light)
- Low oil pressure shutdown (red light)

- Overcrank shutdown (red light)
- Overspeed shutdown (red light)
- Pre-alarm high coolant temp (yellow light)
- Pre-alarm low oil pressure (yellow light)
- Run indicator (green light)
- Two customer selected faults (red light)
- Voltmeter/Ammeter phase selector

**Optional features**

- Audible alarm
- Emergency stop
- Low battery voltage warning
- Low coolant level warning or shutdown
- Remote fault signal package
- Speed adjust rheostat
- Time delay start/stop

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## Ratings definitions

### Standby:

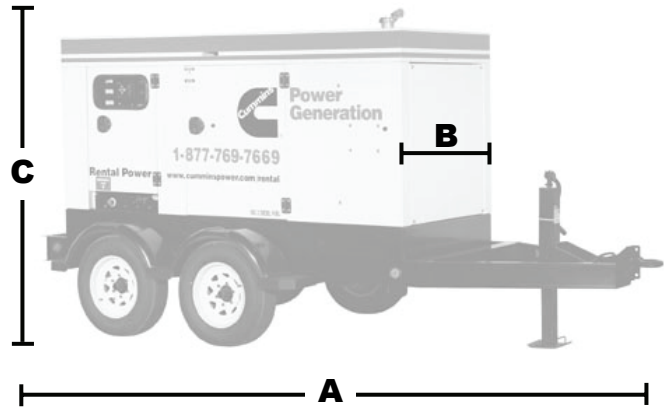
Applicable for supplying emergency power for the duration of normal power interruption. No sustained overload capability is available for this rating. Nominally rated. (Equivalent to Fuel Stop Power in accordance with ISO3046, AS2789, DIN6271, and BS5514.)

### 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)
<b>DGBB</b>	<b>3188</b> (126)	<b>1067</b> (42)	<b>1753</b> (69)	<b>1667</b> (3675)	<b>1957</b> (4314)	<b>341</b> (90)
<b>DGBC</b>	<b>3188</b> (126)	<b>1067</b> (42)	<b>1753</b> (69)	<b>1672</b> (3685)	<b>1961</b> (4324)	<b>341</b> (90)
<b>DGCA</b>	<b>3188</b> (126)	<b>1067</b> (42)	<b>1753</b> (69)	<b>1753</b> (3865)	<b>2043</b> (4504)	<b>341</b> (90)
<b>DGCB</b>	<b>3188</b> (126)	<b>1067</b> (42)	<b>1753</b> (69)	<b>1753</b> (3865)	<b>2043</b> (4504)	<b>341</b> (90)

Note: All weights and dimensions are without trailer.

### Cummins Power Generation

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