

■ Model: **GPC200D5** | **GPC200S5**

Powered by CUMMINS



■ Generator Specification

Service	PRP ⁽¹⁾	ESP ⁽²⁾
Power (KVA)	200	220
Power (KW)	160	176
Rated speed	1500RPM	
Standard voltage	380/220V	
Power factor	0.8	
Phase	3	

Performance Data		
Model		GPC200D5 GPC200S5
Engine brand		CUMMINS
Engine model		6CTAA8.3-G2
Speed control type		Electronic
Alternator brand		LEORY SOMER
Alternator model		TAL-A44-M
Control system		DEEPSEA DSE6120
Starter motor voltage		24V
Frequency		50Hz
Fuel Consumption (L/H)	100% Prime Load	45
	75% Prime Load	34
	50% Prime Load	23
	25% Prime Load	13



GENLITEC Power gensets are compliant with ISO 9001 and CE standard, which include the following directives:

- 2006/42/EC Machinery safety.
- 2006/95/EC Low voltage
- EN 60204-1: 2006+A1: 2009, EN ISO 12100: 2010, EN ISO 13849-1:2008, EN 12601: 2010

• **GPC200D5: OPEN TYPE; GPC200S5: SILENT TYPE**

(1) PRP (Prime Power)

According to ISO 8528-1, prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

(2) ESP (Standby Power)

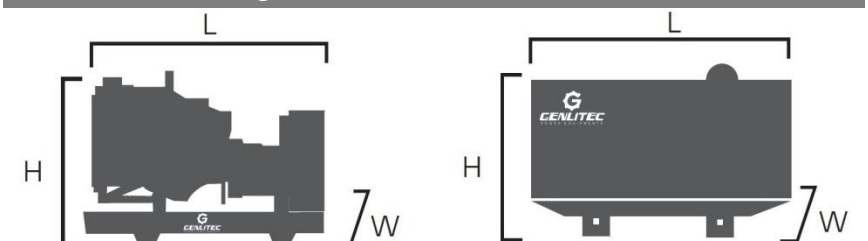
According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufactures. No overload capability is available.

Voltage (V)	PRP		ESP		Current Amps
	KVA	KW	KVA	KW	
415/240	200	160	220	176	278
400/230	200	160	220	176	289
380/220	200	160	220	176	304

Standard Reference Conditions

Note: Standard reference condition 25°C (77°F) air inlet temp. 100m (328ft) A.S.L 30% relative humidity. Fuel consumption date with diesel fuel with specific gravity of 0.85 and conforming to BS 2869: 1998 Class A2

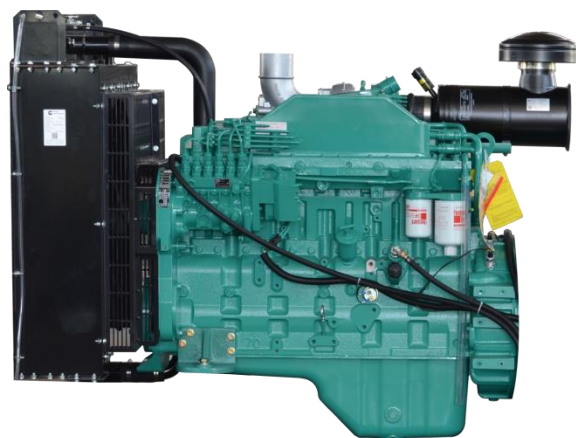
Dimension & Weight



Dimension	Open type	Silent type
Length (L)	2550mm	3550mm
Width (W)	1100mm	1200mm
Height (H)	1680mm	2150mm
Net Weight	1800kg	2650kg

Note: This parameters allows for some acceptable deviations.

■ Engine Specification



MODEL: CUMMINS 6CTAA8.3-G2

Cylinder number	6
Aspiration system	Turbocharged& Charge Air-cooled
Cooling method	Water cooled
Governor type	Electronic
Bore x Stroke (mm)	114 x135
Compression ratio	18.0:1
Rated speed (RPM)	1500
Displacement (L)	8.3
Rated power (KW)	183
Standby power (KW)	203
Oil consumption (g/kw.h)	≤4
Fuel system	BYC P7100
Oil capacity (L)	24
Coolant capacity (L)	40
Starter motor capacity	DC 24V- 40A

■ Alternator Specification



MODEL: LEORY SOMER TAL-A44-M

Number of phase	3
Rated power (KW/KVA)	160/200
Frequency (Hz)	50
Power factor (Cos Phi)	0.8
Poles	4
Temp. rise	125K
Terminals	12
Insulation type	H class
Ambient temp.	40°C
IP rating	IP23
Excitation system	Self-excited
Bearing	Single bearing
Coating	Vacuum impregnation
Voltage regulator	A.V.R
Coupling	Flexible disc

Standard Supply Scope

- | | | | |
|-------------------------------|----------------------------|-------------------------|-------------------------|
| ● Industrial exhaust silencer | ● Flexible pipes | ● Float Battery charger | ● Base frame |
| ● Maintenance free battery | ● Battery wires | ● Manual books | ● Digital control panel |
| ● Water cooling radiator | ● Wiring diagram | ● Tool kits | ● Main circuit breaker |
| ● A.V.R | ● Build-in based fuel tank | ● Emergency stop button | |

■ Optional Supply Scope

Engine	Alternator	Generator Sets	Control Panel
<input type="radio"/> Water jacket pre-heater <input type="radio"/> Lubrication oil pre-heater <input type="radio"/> Battery isolator	<input type="radio"/> Anti-condensation heater <input type="radio"/> PMG	<input type="radio"/> Extended fuel tank 12h/24h/72h <input type="radio"/> Soundproof canopy <input type="radio"/> Trailer mounted	<input type="radio"/> Remote control system <input type="radio"/> Build-in/External ATS <input type="radio"/> Synchronizing System <input type="radio"/> Power output sockets

■ Control Panel

DSE6110/20

AUTO START & AUTO MAINS FAILURE CONTROL MODULES

FEATURES



DSE6120



DSE6110



KEY FEATURES

- Back-lit text LCD display
- Front panel editing
- LED and LCD alarm indication
- Power Save mode
- CAN and Magnetic Pick-up/Alt. versions available (specify on ordering)
- PC and front panel configuration
- 6 Digital inputs
- 3 Analogue inputs
- 6 Outputs (4 configurable on Magnetic Pick-up/Alt., 6 configurable on CAN version)
- Configurable timers and alarms
- Alternative configuration
- Event Log (10)
- Remote Start input
- 3 Phase generator monitoring

- Current Monitoring and protection
- 3 Phase Mains (Utility) monitoring (DSE6120 only)
- Test button (DSE6120 only)
- Battery voltage monitoring
- Engine pre-heat
- Hours counter
- Comprehensive shutdown or warning on fault condition
- Multiple engine parameters are monitored simultaneously
- Module can be configured to suit individual applications
- Compatible with a wide range of CAN engines
- Tier 4 engine support
- Uses DSE Configuration Suite PC software for simplified configuration
- IP65 rating (with optional gasket) offers increased resistance to water ingress
- Licence-free PC software

KEY BENEFITS

- Automatically transfers between mains (utility) and generator power (DSE6120 only)
- Hours counter provides accurate information for monitoring and maintenance periods
- User-friendly set-up and button layout

SPECIFICATION

DC SUPPLY

CONTINUOUS VOLTAGE RATING
8 V to 35 V Continuous

CRANKING DROPOUTS

Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries. LEDs and backlight will not be maintained during cranking.

MAXIMUM OPERATING CURRENT

178 mA at 12 V, 95 mA at 24 V

MAXIMUM STANDBY CURRENT

88 mA at 12 V, 50 mA at 24 V

CHARGE FAIL/EXCITATION RANGE

0 V to 35 V

MAINS (UTILITY) DSE6120 ONLY

VOLTAGE RANGE
15 V - 333 V AC (L-N)

FREQUENCY RANGE

3.5 Hz to 75 Hz

OUTPUTS

OUTPUT A (FUEL)
2 A DC at supply voltage

OUTPUT B (START)
2 A DC at supply voltage

AUXILIARY OUTPUTS C,D,E & F
2 A DC at supply voltage

GENERATOR

VOLTAGE RANGE
15 V - 333 V AC (L-N)

FREQUENCY RANGE

3.5 Hz to 75 Hz

MAGNETIC PICK UP

VOLTAGE RANGE
+/- 0.5 V to 70 V

FREQUENCY RANGE

10,000 Hz (max)

DIMENSIONS

OVERALL
215 mm x 158 mm x 42 mm
8.5" x 6.2" x 1.6"

PANEL CUT-OUT

182 mm x 137 mm
7.2" x 5.4"

MAXIMUM PANEL THICKNESS

8 mm
0.3"

STORAGE TEMPERATURE RANGE

-40 °C to +85 °C

RELATED MATERIALS

TITLE

DSE6110 Installation Instructions
DSE6120 Installation Instructions
DSE6100 Quick Start Guide
DSE6100 Operator Manual
DSE6100 Configuration Suite PC Manual

PART NO'S

053-059
053-060
057-102
057-095
057-096

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All information in the document is substantially correct at the time of printing

But may be subsequently altered by the company.