

■ Model: **GPC63D6** | **GPC63S6**

Powered by CUMMINS



■ Generator Specification

Service	PRP ⁽¹⁾	ESP ⁽²⁾
Power (KVA)	63	68
Power (KW)	50	55
Rated speed	1800RPM	
Standard voltage	220/127V	
Power factor	0.8	
Phase	3	

Performance Data		
Model	GPC63D5 GPC63S5	
Engine brand	CUMMINS	
Engine model	4BTA3.9-G2	
Speed control type	Electronic	
Alternator brand	LEROY SOMER	
Alternator model	TAL-A42-H	
Control system	DEEPSEA DSE6020	
Starter motor voltage	24V	
Frequency	50Hz	
Fuel Consumption (L/H)	100% Prime Load	12.9
	75% Prime Load	10.1
	50% Prime Load	7.0
	25% Prime Load	4.3



GENLITEC Power gen-sets 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

• **GPC63D6: OPEN TYPE; GPC63S6: 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)

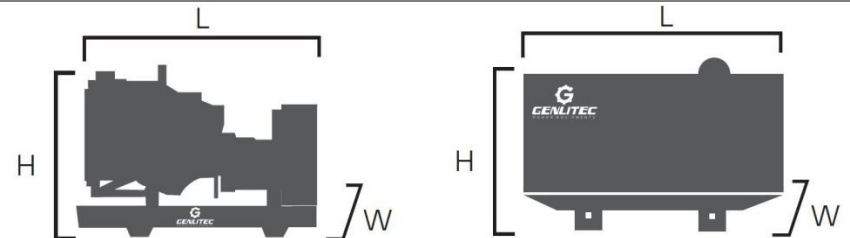
According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures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

Voltage (V)	PRP		ESP		Current Amps
	KVA	KW	KVA	KW	
480/277	63	50	68	55	131
208/120	63	50	68	55	175
220/127	63	50	68	55	165

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

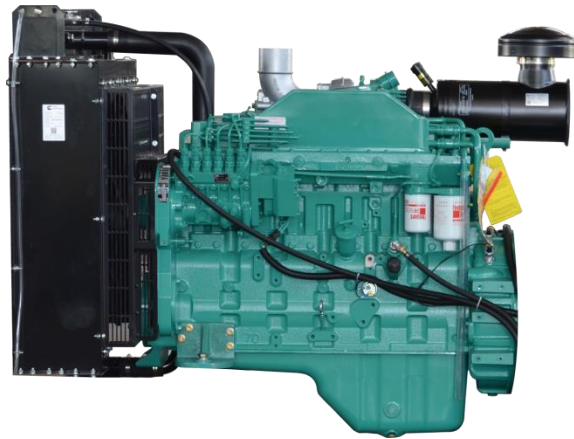
Dimension & Weight



Dimension	Open type	Silent type
Length (L)	1900mm	2480mm
Width (W)	800mm	1000mm
Height (H)	1250mm	1500mm
Net Weight	900kg	1300kg

Note: This parameters allows for some acceptable deviations.

■ **Engine Specification**



MODEL: CUMMINS 4BTA3.9-G2

Cylinder number	4
Aspiration system	Turbo, water/air charged
Cooling method	Water cooled
Governor type	Electronic
Bore x Stroke (mm)	102x120
Compression ratio	17.5:1
Rated speed (RPM)	1800
Displacement (L)	3.9
Rated power (KW)	60
Standby power (KW)	-
Oil consumption (g/kw.h)	≤4
Fuel system	BYC A-type
Oil capacity (L)	16.4
Coolant capacity (L)	24
Starter motor capacity	DC 24V – 40A

■ **Alternator Specification**



MODEL: LEROY SOMER TAL-A42-H

Number of phase	3
Rated power (KW/KVA)	54.8/68.5
Frequency (Hz)	60
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
- Maintenance free battery
- Water cooling radiator
- A.V.R
- Flexible pipes
- Battery wires
- Wiring diagram
- Build-in based fuel tank
- Float Battery charger
- Manual books
- Tool kits
- Emergency stop button
- Base frame
- Digital control panel
- Main circuit breaker

■ **Optional Supply Scope**

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

Control Panel

DSE6010/20

AUTO START & AUTO MAINS FAILURE CONTROL MODULES

FEATURES



DSE6020



DSE6010



KEY FEATURES

- Back-lit icon 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
- 4 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 (5)
- Remote Start input
- 3 Phase generator monitoring

- Current monitoring and protection
- Power monitoring (kW, kV A, kV Ar)
- 3 Phase Mains (Utility) monitoring (DSE6020 only)
- Test button (DSE6020 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
- 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 (DSE6020 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 150 mA at 12 V, 80 mA at 24 V
MAXIMUM STANDBY CURRENT 50 mA at 12 V, 30 mA at 24 V
CHARGE FAIL/EXCITATION RANGE 0 V to 35 V
MAINS (UTILITY) DSE6020 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
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"