GPC800S5 | GPC800D5

Powered by Cummins

Genlitec®
Power & Lighting Solutions

Generator Specification

Service	PRP(1)	ESP(2)
Power (KVA)	800	880
Power (KW)	640	704
Rated speed	1500RPM	
Standard voltage	400/230V	
Power factor	0.8	
Phase	3	

ISO CE

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

- 2006/42/EC Machinery directive
- 2014/30/EU Electromagnetic compatibility directive
- EN 12100:2010; EN ISO 8528-13:2016; EN 60204-1:2018; EN 61000-6-2:2019; EN 61000-6-4:2019
- **GPC800S5 (Silent Type)**
- **GPC800D5 (Open 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 can deliver 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.

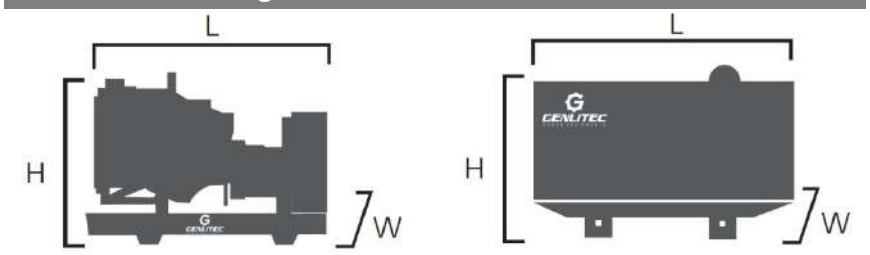
Voltage (V)	ESP		PRP		Current
	KVA	KW	KVA	KW	Amps
415/240	880	704	800	640	1113
400/230	880	704	800	640	1154.7
380/220	880	704	800	640	1215.5

Performance Data		
Model		GPC800S5 | GPC800D5
Engine brand		**CUMMINS**
Engine model		KTA38-G2B
Speed control type		Electronic
Alternator brand		**GENLITEC**
Alternator model		S404G640
Control system		**SMARTGEN** HGM6120N
Starter motor voltage		24V
Frequency		50Hz
Fuel Consumption (kg/H)	100% Prime Load	142
	75% Prime Load	109
	50% Prime Load	77
	25% Prime Load	42
	Fuel Tank (L)	1000

Standard Reference Conditions

Note: Standard reference condition 25℃ (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)	4350mm	5750mm
Width (W)	1800mm	2000mm
Height (H)	2250mm	2560mm
Net Weight	7460kg	9600kg

Note: This parameter allows for some acceptable deviations.

GENLITEC POWER has the right to modify any feature without prior notice, Weights and dimensions based on standard products. Illustrations may include optional equipment. Technical data described in this document correspond to the available information at the moment of printing. The illustrations and images are indicative and may not coincide in their entirety with the product.

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Engine Specification

MODEL: CUMMINS KTA38-G2B	
Cylinder number	V-12
Aspiration system	Turbocharged, aftercooled
Cooling method	Water cooled
Governor type	Electronic
Bore x Stroke (mm)	159x159
Compression ratio	14.5:1
Rated speed (RPM)	1500
Displacement (L)	38
Rated power (KW)	711
Standby power (KW)	790
Fuel pump	Cummins PT pump
Coolant capacity (L)	123.8 (engine only)
Oil capacity (L)	135.1
Starter motor capacity	DC 24V

Alternator Specification

MODEL: GENLITEC S404G640	
Number of phase	3
Rated power (KW/KVA)	640/800
Frequency (Hz)	50
Power factor (Cos Phi)	0.8
Poles	4
Temp. rise	125K
Terminals	6/12
Insulation type	H class
Ambient temp.	40℃
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	○ **C-Type** Soundproof canopy	○ Build-in/External ATS
○ Battery isolator	○ **STAMFORD** alternator	○ **D-Type** Soundproof canopy	○ Synchronizing System
	○ **LEROY SOMER** alternator	○ Trailer mounted	○ Power output sockets

Warranty Period

CUMMINS diesel engine: Global warranty, 12 months or 1000 working hours.
STAMFORD/LEROY SOMER alternator: Global warranty, 12 months or 1000 working hours.
GENLITEC alternator: Factory warranty, 12 months or 1000 working hours.
DEEPSEA control module: Factory warranty, 12 months or 1000 working hours.

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Control Panel

Configuration
● Emergency stop button
● Protection MCB (Main circuit breaker)
● Float battery charger
● ATS connection
● AMF digital control module
● Fuel level meter
● Controller power switch
● Alarm buzzer

Features
● Chinese, English, Spanish, Turkish, Russian & French
● Three phase generator monitoring
● Automatic or manual start/stop of the gensets
● Push buttons for simple control & operation
● Generator measurements (50Hz/60Hz)
● Precision collect & display parameters about ENGINE
● Comprehensive shutdown or warning on fault condition
● Three phase generator protections
- Over / under voltage
- Over / under frequency
- Current / voltage asymmetry
- Over current / overload
● Three phase AMF function
- Over / under voltage
- Loss of phase detection function
● Emergency start function
● IP55 waterproof with rubber-ring gasket

Control Module Model: SMARTGEN HGM6120N	
Display	LCD (132 x 64)
Operation panel	Silicon rubber
Digital input	5
Relay output	6
Analogue input	3
AMF	Yes
AC System	1P2W / 2P3W / 3P3W / 3P4W
Alternator voltage	15-360V (ph-N)
Alternator frequency	50/60Hz
KW/Amp Detecting & Display	Yes
Monitor interface	USB
Programmable interface	USB
DC supply	DC 8-35V
Operating temp.	-25 ~ +70℃

Controller Module Options

COMAP	DEIF	DEEPSEA
AMF25	SGC 420	DSE7320

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