

Model: GPC315D5 | GPC315S5

Powered by CUMMINS 6LTAA9.5-G1



Generator Specification

Service	PRP(1)	ESP(2)
Power (KVA)	315	350
Power (KW)	250	275
Rated speed	1500RPM	
Standard voltage	415/240V	
Power factor	0.8	
Phase	3	

Performance Data		
Model	GPC315D5 GPC315S5	
Engine brand	CUMMINS	
Engine model	6LTAA9.5-G1	
Speed control type	Electronic	
Alternator brand	STAMFORD GENLITEC	
Alternator model	HCI444ES S314G250	
Control system	SMARTGEN HGM6120N	
Starter motor voltage	24V	
Frequency	50Hz	
Fuel Consumption (L/ph)	100% Prime Load	70
	75% Prime Load	52
	50% Prime Load	35
	25% Prime Load	18
Fuel Tank Cap. (L)	500	



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

GPC315D5: OPEN TYPE; GPC315S5: 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)

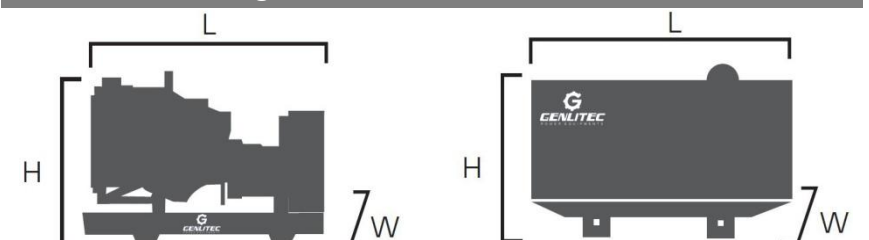
According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures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

Voltage (V)	ESP		PRP		Current Amps
	KVA	KW	KVA	KW	
415/240	350	275	315	250	438
400/230	350	275	315	250	455
380/220	350	275	315	250	479

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)	3100mm	4000mm
Width (W)	1200mm	1450mm
Height (H)	1850mm	2250mm
Net Weight	3350kg	4000kg

Note: This parameters allows for some acceptable deviations.

■ **Engine Specification**



MODEL: CUMMINS 6LTAA9.5-G1	
Cylinder number	6
Aspiration system	Turbocharged, air-cooled
Cooling method	Water cooled
Governor type	Electronic
Bore x Stroke (mm)	116 x148
Compression ratio	14:1
Rated speed (RPM)	1500
Displacement (L)	9.5
Rated power (KW)	290
Standby power (KW)	320
Oil consumption (L/h)	≤0.4
Coolant capacity (L)	55.5
Oil capacity (L)	28.1
Fuel system	Bosch P7100 Mechanical
Starter motor capacity	DC 24V

■ **Alternator Specification**



MODEL: STAMFORD HCI444ES GENLITEC S314G250	
Number of phase	3
Rated power (KW)	250
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
<ul style="list-style-type: none"> ○ Water jacket pre-heater ○ Lubrication oil pre-heater ○ Battery isolator 	<ul style="list-style-type: none"> ○ Anti-condensation heater ○ PMG 	<ul style="list-style-type: none"> ○ Extended fuel tank 12h/24h/72h ○ Soundproof canopy ○ Trailer mounted ○ 20GP containerized canopy 	<ul style="list-style-type: none"> ○ Remote control system ○ Build-in/External ATS ○ Synchronizing System ○ Power output sockets

■ **Warranty**

CUMMINS diesel engine: Global warranty, 12 months or 1000 hours, whichever comes first.

GENLITEC alternator: GENLITEC factory limited warranty, 15 months or 1200 working hours, whichever comes first.

Diesel Generator Set: GENLITEC factory limited warranty, 15 months or 1200 working hours, whichever comes first.

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 language
- 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°C

Controller Module Options

COMAP	DEESEA	DEESEA
AMF25	DSE6020	DSE7320
		