GENLITEC
POWER EQUIPMENTS

Power anywhere anytime

Model: GPC1250D5 | GPC1250S5

Powered by CUMMINS

Generator Specification

Service	PRP(1)	ESP(2)
Power (KVA)	1250	1375
Power (KW)	1000	1100
Rated speed	1500RPM	
Standard voltage	400/230V	
Power factor	0.8	
Phase	3	

Performance Data		
Model		GPC1250D5|S5
Engine brand		**CUMMINS**
Engine model		KTA50-G3
Speed control type		EFC Electronic
Alternator brand		**LEORY SOMER**
Alternator model		LSA50.2M6
Control system		**DEEPSEA** DSE7320
Starter motor voltage		24V
Frequency		50Hz
Fuel Consumption (kg/H)	100% Prime Load	222
	75% Prime Load	169
	50% Prime Load	118
	25% Prime Load	65

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
- **GPC1250D5: OPEN TYPE; GPC1250S5: CONTAINERIZED 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)

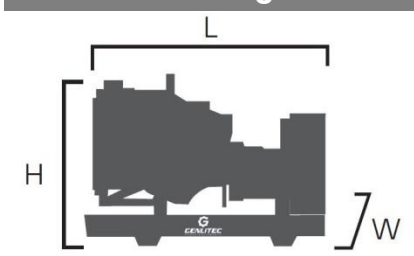
According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures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

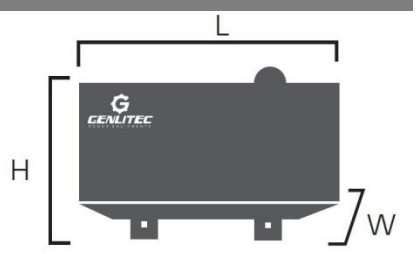
Voltage	ESP		PRP		Current
(V)	KVA	KW	KVA	KW	Amps
415/240	1375	1100	1250	1000	1739
400/230	1375	1100	1250	1000	1804
380/220	1375	1100	1250	1000	1899

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





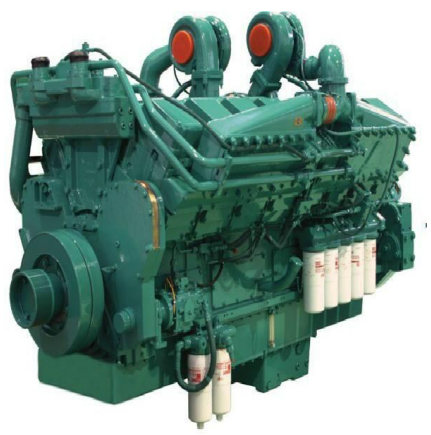
Dimension	Open type	Silent type
Length (L)	5800mm	12192mm
Width (W)	2090mm	3438mm
Height (H)	2600mm	2591mm
Net Weight	10500kg	18900kg

Note: This parameters allows for some acceptable deviations.

GENLITEC
POWER EQUIPMENTS

Power anywhere anytime

■ Engine Specification



MODEL: CUMMINS KTA50-G3	
Cylinder number	16
Aspiration system	Turbo, water/air cooling
Cooling method	Water cooled
Governor type	EFC Electronic
Bore x Stroke (mm)	159x159
Compression ratio	13.9:1
Rated speed (RPM)	1500
Displacement (L)	50.3
Rated power (KW)	1097
Standby power (KW)	1227
Oil consumption (g/kw.h)	≤4
Coolant capacity (L)	160.9 (Engine only)
Oil pan capacity (L)	176.8
Fuel system	CUMMINS PT Pump
Starter motor capacity	DC 24V

■ Alternator Specification

MODEL: LEORY SOMER LSA50.2M6	
Number of phase	3
Rated power (KW/KVA)	1000/1250
Frequency (Hz)	50
Power factor (Cos Phi)	0.8
Poles	4
Temp. rise	125K
Terminals	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	○ Soundproof canopy	○ Build-in/External ATS
○ Battery isolator	○ STAMFORD alternator	○ Trailer mounted	○ Synchronizing System
	○ GENLITEC alternator	○ 20GP containerized canopy	○ Power output sockets

■ Warranty Period

- 1 year or 1000 working hours, whichever comes first.
- GENLITEC Company will be limited with the supply of spare parts that are examined as manufacturing defects.
- CUMMINS engine will be subject to warranty policies from their companies. (**GLOBAL WARRANTY**)

GENLITEC
POWER EQUIPMENTS

Power anywhere anytime

■ 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: DEEPSEA DSE7320	
Display	LCD
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	DEEPSEA	SMARTGEN
AMF25	**DSE6020**	**HGM6120N**
		

GENLITEC POWER TECHNOLOGY CO., LTD.
GENLITEC (FUZHOU) POWER EQUIPMET CO., LTD.
marketing@genlitec.com | www.genlitec.com

GENLITEC
POWER EQUIPMENTS