GPP1250S6 | GPP1250D6

Powered by Perkins

Genlitec® Power & Lighting Solutions





Generator Specification

Service	PRP(1)	ESP(2)
Power (KVA)	1250	1375
Power (KW)	1000	1100
Rated speed	1800RPM	
Standard voltage	127/220V	
Power factor	0.8	
Phase	3	

Performance Data		
Model		GPP1250S6 | GPP1250D6
Engine brand		**PERKINS**
Engine model		4012-46TWG2A
Speed control type		Electronic
Alternator brand		**GENLITEC**
Alternator model		S404G904
Control system		**DEEPSEA** DSE6120 MKII
Starter motor voltage		24V
Frequency		60Hz
Fuel Consumption	100% Prime Load	266 L/hrs
	75% Prime Load	200 L/hrs
	50% Prime Load	143 L/hrs
	Fuel tank volume	N/A

ISO CE

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
- **GPP1250S6: Silent Type**
- **GPP1250D6: 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)

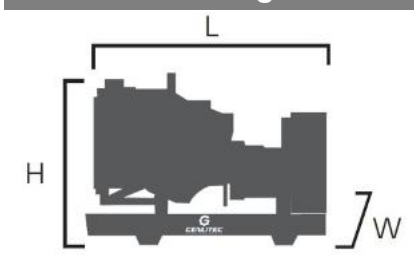
According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures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

Voltage (V)	ESP		PRP		Current
	KVA	KW	KVA	KW	Amps
254/440	1375	1100	1250	1000	1640.2
127/220	1375	1100	1250	1000	3280.5
120/208	1375	1100	1250	1000	3469.8

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)	5000mm	5812mm
Width (W)	2050mm	2240mm
Height (H)	2250mm	2550mm
Net Weight	9200kg	15500kg

Note: This parameter allows for some acceptable deviations.

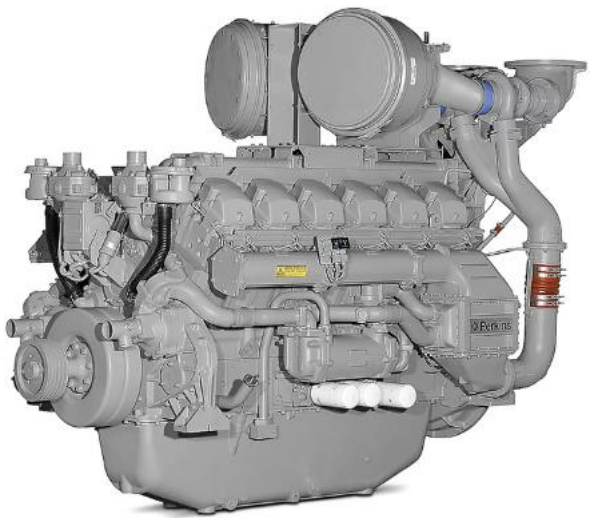
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■ Engine Specification



MODEL: PERKINS 4012-46TWG2A	
Cylinder number	12
Aspiration system	Turbo, air to water charge cooled
Cooling method	Water cooled
Governor type	Electronic
Bore x Stroke (mm)	160 x 190
Compression ratio	13:1
Rated speed (RPM)	1800
Displacement (L)	45.8
Rated power (KW)	1113
Standby power (KW)	1224
Oil consumption (g/kw.h)	/
Coolant capacity (L)	201
Oil capacity (L)	177
Combustion system	Direct injection
Starter motor capacity	DC 24V

■ Alternator Specification



MODEL: GENLITEC S404G904	
Number of phase	3
Rated power (KW/KVA)	1019/1273
Frequency (Hz)	60
Power factor (Cos Phi)	0.8
Poles	4
Temp. rise	125K
Terminals	6 (12-lead for option)
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
- 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	○ 40HQ containerized enclosure	○ Remote control system
○ Lubrication oil pre-heater	○ PMG		○ ATS panel
○ Battery isolator	○ AREP		○ Synchronizing System
	○ **STAMFORD** alternator		
	○ **LEROY SOMER** alternator		

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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
● Multiple display languages
● Automatic transfer between mains and generator power
● 3-phase mains and generator voltage monitoring
● Generator current monitoring and protection
● Event log for 10 events and engine-hours counter
● 6 digital inputs and 3 analog sender inputs
● Six outputs; configuration depends on the engine version
● 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
● IP65 rating with rubber-ring gasket

Control Module Model: DEEPSEA DSE6120 MKII	
Display	Large back-lit text display
Generator & Mains (Utility) Voltage Range	15 V to 415 V AC (Ph to N) 26 V to 719 V AC (Ph to Ph)
Frequency range	3.5 Hz to 75 Hz
Analogue inputs A to F	Negative switching
AMF function	Yes
AC System	1P2W / 2P3W / 3P3W / 3P4W
Alternator frequency	50/60Hz
Monitor interface	USB
Programmable interface	USB
DC supply	DC 8-35V
Operating temp.	-30 ~ +70℃

Control Module Certified

■ Controller Module Options

COMAP	SMARTGEN	DEEPSEA
AMF25	**HGM6120N**	**DSE7320 MKII**
		

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