

Model: GPP30D5 | GPP30S5

Powered by PERKINS



Generator Specification

Service	PRP(1)	ESP(2)
Power (KVA)	30	33
Power (KW)	24	26.4
Rated speed	1500RPM	
Standard voltage	380/220V	
Power factor	0.8	
Phase	3	

Performance Data		
Model	GPP30D5 GPP30S5	
Engine brand	PERKINS	
Engine model	1103A-33G	
Speed control type	Mechanical	
Alternator brand	LEROY SOMER	
Alternator model	TAL-A42-C	
Control system	DEEPSEA DSE4520	
Starter motor voltage	12V	
Frequency	50Hz	
Fuel Consumption (L/H)	100% Prime Load	7.1
	75% Prime Load	5.4
	50% Prime Load	3.9
	25% Prime Load	2.5



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

• GPP30D5: OPEN TYPE; GPP30S5: 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)

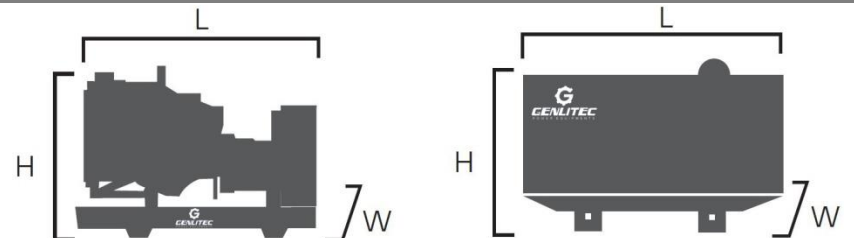
According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures 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	33	26.4	30	24	41.8
400/230	33	26.4	30	24	43.4
380/220	33	26.4	30	24	45.6

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)	1450mm	2000mm
Width (W)	720mm	880mm
Height (H)	900mm	1200mm
Net Weight	620kg	1020kg

Note: This parameters allows for some acceptable deviations.

■ **Engine Specification**



MODEL: PERKINS 1103A-33G

Cylinder number	3
Aspiration system	Natural
Cooling method	Water cooled
Combustion system	Indirect injection
Bore x Stroke (mm)	105x127
Compression ratio	19.25:1
Rated speed (RPM)	1500
Displacement (L)	3.3
Rated power (KW)	28.2
Standby power (KW)	31.0
Governor type	Mechanical
Coolant capacity (L)	10.2
Oil capacity (L)	7.9
Charger Alternator capacity	12V – 65A
Starter motor capacity	DC 12V

■ **Alternator Specification**



MODEL: LEROY SOMER TAL-A42-C

Number of phase	3
Rated power (KW/KVA)	24/30
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
- 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
<ul style="list-style-type: none"> <input type="checkbox"/> Water jacket pre-heater <input type="checkbox"/> Lubrication oil pre-heater <input type="checkbox"/> Battery isolator 	<ul style="list-style-type: none"> <input type="checkbox"/> Anti-condensation heater <input type="checkbox"/> PMG 	<ul style="list-style-type: none"> <input type="checkbox"/> Extended fuel tank 12h/24h/72h <input type="checkbox"/> Soundproof canopy <input type="checkbox"/> Trailer mounted 	<ul style="list-style-type: none"> <input type="checkbox"/> Remote control system <input type="checkbox"/> Build-in/External ATS <input type="checkbox"/> Synchronizing System <input type="checkbox"/> Power output sockets

■ **Warranty Period**

PERKINS diesel engine: Global warranty, 12 months or 1000 working hours.

LEROY SOMER alternator: Global warranty, 12 months or 1000 working hours.

■ 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 DSE6020

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°C

■ Controller Module Options

SMARTGEN	COMAP	DEEPSEA
HGM6120N	AMF25	DSE6120
		

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