

■ Model: **GPP350D5** | **GPP350S5**

Powered by PERKINS 2206C-E13TAG2



■ Generator Specification

Service	PRP(1)	ESP(2)
Power (KVA)	350	385
Power (KW)	280	308
Rated speed	1500RPM	
Standard voltage	380/220V	
Power factor	0.8	
Phase	3	

Performance Data		
Model	GPP350D5 GPP350S5	
Engine brand	PERKINS	
Engine model	2206C-E13TAG2	
Speed control type	ECM	
Alternator brand	LEROY SOMER	
Alternator model	TAL-A46-H	
Control system	DEIF SGC 420	
Starter motor voltage	24V	
Frequency	50Hz	
Fuel Consumption (L/H)	110% Prime Load	82
	100% Prime Load	75
	75% Prime Load	58
	50% Prime Load	40



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

(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)

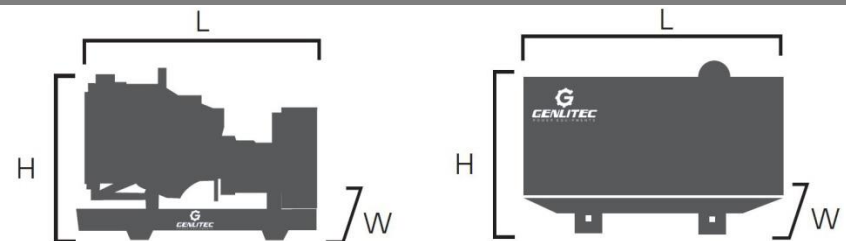
According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures 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	385	308	350	280	487
400/230	385	308	350	280	506
380/220	385	308	350	280	532

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)	3280mm	3980mm
Width (W)	1150mm	1400mm
Height (H)	1950mm	2150mm
Net Weight	3300kg	4300kg

Note: This parameters allows for some acceptable deviations.

■ Engine Specification



MODEL: PERKINS 2206C-E13TAG2

Cylinder number	6
Aspiration system	Turbo, air/air cooling
Cooling method	Water cooled
Governor Type	ECM
Bore x Stroke (mm)	130 x 157
Compression ratio	16.3:1
Rated speed (RPM)	1500
Displacement (L)	12.5
Rated power (KW)	305
Standby power (KW)	349
Combustion system	Direct injection
Coolant capacity (L)	51.4
Oil capacity (L)	40
Charger Alternator capacity	24V – 70A
Starter motor capacity	DC 24V

■ Alternator Specification



MODEL: LEROY SOMER TAL-A46-H

Number of phase	3
Rated power (KW/KVA)	280/350
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
<input type="checkbox"/> Water jacket pre-heater <input type="checkbox"/> Lubrication oil pre-heater <input type="checkbox"/> Battery isolator	<input type="checkbox"/> Anti-condensation heater <input type="checkbox"/> PMG	<input type="checkbox"/> Extended fuel tank 12h/24h/72h <input type="checkbox"/> Soundproof canopy <input type="checkbox"/> Trailer mounted	<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 ENGINE:** Global warranty of 12 months or 1000 working hours.
- **LEROY SOMER ALTERNATOR:** Global warranty of 12 months or 1000 working hours.
- **GENLITEC DIESEL GENERATOR SET:** 12 months or 1000 working hours with free cost of replacement spare parts.

■ 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: DEIF SGC 420

Display	LED
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	DEEPSEA	DEEPSEA
AMF25	DSE6020	DSE7320
		

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