

# SG6000D

## 6.0kVA Super Silent Diesel Generator

### GENERATOR SPECIFICATION

Voltage	230V - Earth/Neutral bond
	115V - Centre Tap Earth (CTE)
Phase	1
Frequency	50Hz
Prime Power (PRP)	6.0 kVA / 4.8 kW
Alternator	NSM K100 G
Fuel tank capacity	24.0 Litres
Autonomy 75% load	17.0 Hours
LWA	93*
dBA @ 7M	68*

### ENGINE SPECIFICATION

Engine	Yanmar L100V
Emissions certified	EU Stage V
Cylinders	Single
Distribution	O.H.V.
Aspiration	Naturally aspirated
Cooling	Air
Displacement	0.435 Litres
Rpm	3000

(\*under review awaiting approval)


**YANMAR**

3 Year Engine Warranty  
(Limited)



### DIMENSIONS (mm) & WEIGHT (KG)

Status	Length	Width	Height	Weight
Trolley Dry	1270	785	890	185
Trolley Wet	1270	785	890	206
Skid Dry	980	640	890	172
Skid Wet	980	640	890	193



## CONTROL PANEL

- Key start complete with low oil pressure, high engine temperature, low fuel level & battery charge shutdown/warning lamps.
- MCB overload protection.
- RCD earth leakage protection - 230V output.
- AC voltage selector switch.
- 230V : 1 x 32A & 1 x 16A BS4343 sockets.
- 115V : 1 x 32A & 2 x 16A BS4343 sockets.
- Overload protection for each individual socket.
- Hours run meter.

## STANDARD FEATURES

- Industrial two wheeled trolley kit.
- Lifting eye.
- Self bleeding.
- 12V fuel lift pump.
- Gas strut canopy roof.
- Acoustic canopy complete with large access roof.
- Low oil pressure, high engine temperature & low fuel level shutdowns.

## POWER DEFINITION

**Prime Power (PRP)** : Applicable for supplying power to varying electrical load for unlimited hours in accordance with ISO 8528-1 under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturers.

## OPTIONS

- Skid version available.
- Customised socket arrangement on request.
- AVR (Automatic Voltage Regulator).
- DSE 3110 start/stop control module - *see below for details*
- ATS Panel (Automatic Transfer Switch - DSE 3110 control module required).
- Spark arrestor.
- Mains battery charger.
- Auto start/stop programmable 7-day timer (DSE 3110 control module required).
- DSE 4520 control module upgrade available.
- Telemetry remote communication available (DSE 4520 & DSE 890 required).

## DEEP SEA ELECTRONICS 3110 START/STOP CONTROL MODULE OPTION

- The module will display warnings, shutdowns & engine status information on the back-lit LCD screen.
- Engine shutdowns include, high engine temperature & low oil pressure. low fuel level warning.
- Monitoring & protecting AC volts & frequency (Hz).
- Hours run counter.
- Battery voltage monitoring.
- 2-wire remote start function.





Stephill Generators Ltd  
Wallis Close  
Park Farm South  
Wellingborough  
Northants  
NN8 6AG  
United Kingdom

[www.stephill-generators.co.uk](http://www.stephill-generators.co.uk)



## **EU Declaration of Conformity CE/SG6000D/1**

In accordance with European Parliament and Council Decision No 768/2008/EC Annex III

### **1. Product model / product:**

Product	Yanmar L100V engine driven AC generator
Model/type	SG6000D
Batch/serial no.	From 693500

### **2. Manufacturer:**

Name	Stephill Generators Ltd
Address	Wallis Close, Park Farm South, Wellingborough, Northants, NN8 6AG, UK

#### *Authorised Representative:*

Name	Clive Perrett
Address	6 Aigialousis Street, Lofos, Tala, Paphos 8577, Cyprus

### **3. This declaration is issued under the sole responsibility of the manufacturer.**

### **4. Object of the declaration:**

Product	Diesel Generator
Specification	6.0kVA / 4.8kW

### **5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:**

2006/42/EC	The Machinery Directive
2014/30/EU	The Electromagnetic Compatibility Directive
2000/14/EC	The Noise Emission in the Environment by Equipment for Use Outdoors Directive
2011/65/EU	The Restriction of Hazardous Substances Directive

### **6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:**

Reference & Date	Title
EN ISO 12100:2010	Safety of machinery. General principles for design. Risk assessment and risk reduction
BS ISO 8528-1:2018	Reciprocating internal combustion engine driven alternating current generating sets - Application, ratings and performance
BS ISO 8528-2:2018	Reciprocating internal combustion engine driven alternating current generating sets - Engines
BS ISO 8528-3:2020	Reciprocating internal combustion engine driven alternating current generating sets - Alternating current generators for generating sets
BS ISO 8528-4:2005	Reciprocating internal combustion engine driven alternating current generating sets - Control gear and switchgear

Reference & Date	Title
EN ISO 8528-13:2016	Reciprocating internal combustion engine driven alternating current generating sets - Safety
EN 61000-3-2:2014	Electromagnetic compatibility (EMC) - Limits. Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16$ A per phase and not subject to conditional connection
EN 61000-6-2:2005	Electromagnetic compatibility (EMC) - Generic standards - Immunity for industrial environments
EN 61000-6-3:2007 +A1:2011	Electromagnetic compatibility (EMC) - Generic standards. Emission standard for residential, commercial and light-industrial environments
EN 60034-1:2010	Rotating electrical machines - Rating and performance
EN 60204-1:2018	Safety of machinery. Electrical equipment of machines - General requirements
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

*Noise measurements have been made in accordance with Directive 2000/14/EC Annex III B.45 with internal control of production with assessment of technical documentation and periodical checking (Annex VI). The declared noise values are as follows:*

Measured sound power level	Guaranteed sound power level
94 dB L <sub>wa</sub>	94 dB L <sub>wa</sub>

**7. The notified body performed type approval of a self-assessment and issued the certificate**

**8. Additional information:**

*The technical documentation for the machinery is available from:*

Name: Clive Perrett  
Address: 6 Aigialousis Street, Lofos, Tala, Paphos 8577, Cyprus

Signed for and on behalf of: Stephill Generators Ltd  
Place of issue: Park Farm South, Wellingborough, Northants, UK  
Date of issue: 23/12/2024  
Name: Paul Livingstone  
Position: Managing Director  
Signature:

