

**POWER YOUR FUTURE**

**SDEC Generator  
LG700SC**

**SC33W1150D2**

**Prime Power: 700KW/875KVA**

**Standby Power: 770KW/962.5KVA**



## **GENERATING POWER SOLUTIONS**

### **Increased availability for new operations**

Reliable, robust and versatile generator.  
Ready to deliver power for a next job.

### **Increased uptime during operations**

Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

### **Reduced transport and installation costs**

The compact and robust design with integrated transport features enables faster and safer transport and installation.

### **Reduced service & maintenance costs**

Longer service intervals.  
Quicker and more efficient service jobs.

### **Premium resale value**

Designed and built to last.

#### **SAFETY**

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.

**SDEC Series**

**60KVA--1100KVA**



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## Technical Data

LG700SC

Model		LG700SC
Rated prime power	kva	875
Rated standard power	kva	962.5
Rated voltage line to line	V	400/230
Rated current	A	1263
Maximun sound level	dB(@7m)	≤102

### Engine-SDEC

Model		SC33G1150D2
Aspiration		V type, four stroke, water cooled, pressurized air cooled
Fuel system		Longkou P11 pump
No. cylinders		6 in line
Displacement	Liquid	32.8
Bore*Stroke	mm	180*215
Compression ratio		15:1
Rated speed	r/min	1500
Rated net power(with fan)	Kw	782
Governor type		Electrical
Start Motor	V	24V×13kW

### Exhaust System

Exhaust gas flow	m <sup>3</sup> /min	194.1
Exhaust gas temp	°C	690
Max back pressure	kPa	11

### Aspiration System

Max inlet pressure	kPa	6
Air flow	m <sup>3</sup> /min	2×40.2
Fan consumption	KW	25

### Fuel System

100% load(Prime power)	L/h	186.4
75% load(Prime power)	L/h	138.1
50% load(Prime power)	L/h	92.6
Fuel tank capacity	L	1500

### Lubrication System

Oil capacity	L	75
Oil consumption	g/kwh	/
Oil pressure	kPa	/
(continuous operation)		

### Cooling System

Coolant capacity	L	56
Thermostat operation range	°C	77-90
Max water temperature	°C	104

### Alternator

Model		LONGKAI LK634D	STAMFORD LVI634D/HCI634H-S6L1D-D4
Phase		3	
Voltage	V	400/230	
Wiring Type		3 Phase 4 wire, Y type	
Bearing		1	
Power factor		0.8	
Frequency	Hz	50	
Prime power	KW	728	
Exciter Type		Brushless, self-excitation	
Voltage regulation	%	±0.5	
Protection Grade		IP 23	
Insulation grade		H/H	
Altitude	m	≤1000	

### Controller-DEESEA

Model		DSE6120MK3
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Protective functions:

- Low oil pressure
- High water temperature
- High/low voltage
- High Engine Temperature and Overspeed.
- Voltage regulator frequency regulator
- Emergency stop
- Start failure



### Control Module Options



- Auto generator control module
- Control module with "Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

### Standard Features

- Engine(SDEC)
- Radiator 50°C max,fans are driven by bel
- 24V charge alternator
- Alternator: single bearing alternator IP23, insulation class H/H
- Standard auto control system
- One set of air filter, fuel filter, oil filter
- Main line circuit breaker/MCCB
- Base fuel tank
- Two 24V batteries, rac and cable
- Exhaust system(Ripple flex exhaust pipe, exhaust siphon, flange, muffler)
- User manual

### Options

- Battery charge
- Engine heater
- Alternator heater
- PMG
- Water oil separator
- Daily fuel tank
- Remote control panel
- Automatic transfer switch/ATS
- Switch box
- Standard: ●                      Options:○

### Warranty\*

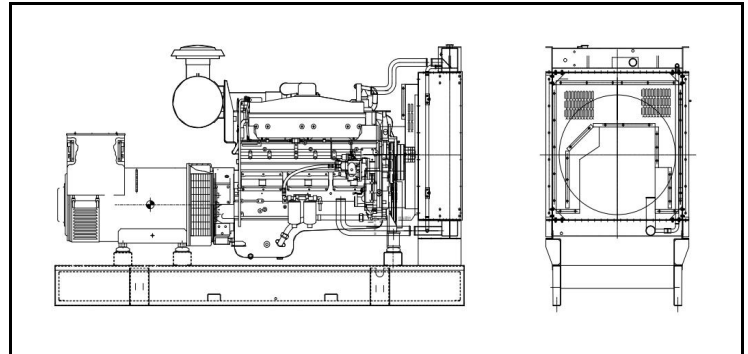
#### SDEC Engine

24 months from date of purchase and 3000 hours.

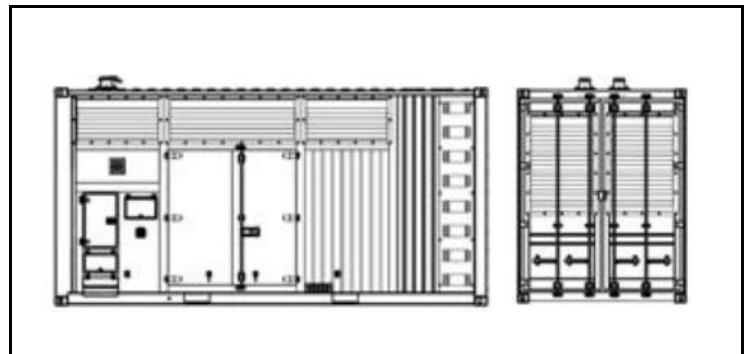
#### Generator

12 months from date of purchase or 1000 hours (whichever occurs first).

### Unit Dimensions(Basic unit)



Open Type		
L*W*H	mm	4400*2140*2280
Weight	kg	7550



Silent Type(Standard 20'ft container)		
L*W*H	mm	6058*2438*2591
Weight	kg	12000