POWER YOUR FUTURE
SDEC Generator
LG100SC

SC4H180D2

Prime Power: 100KW/125KVA

Standby Power: 110KW/137.5KVA

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

⧈ LONGKAI

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Technical Data

Model — LG100SC

Model		LG100SC
Rated prime power	kva	125
Rated standard power	kva	137.5
Rated voltage line to line	V	400/230
Rated current	A	180
Maximun sound level	dB(@7m)	≤96

Engine-SDEC

Model		SC4H180D2
Aspiration		Inline, 4 stroke, 4 valves, water cooled, pressurized and intermediate cooled
Fuel system		P type
No. cylinders		4 in line
Displacement	Liquid	4.3
Bore*Stroke	mm	105*124
Compression ratio		16:1
Rated speed	r/min	1500
Rated net power(with fan)	Kw	120
Governor type		E
Start Motor	V	24V×4.5kW

Exhause System

Exhause gas flow	m³/min	18.2
Exhause gas temp	℃	600
Max back pressure	kPa	6

Aspiration System

Max inlet pressure	kPa	6
Air flow	m³/min	8.1
Fan consumption	kw	6.2

Fuel System

100% load(Prime power)	L/h	28.6
75% load(Prime power)	L/h	21.4
50% load(Prime power)	L/h	14.4
Fuel tank capacity	L	340

Lubrication System

Oil capacity	L	13
Oil consumption	g/kwh	/
Oil pressure	kPa	/
(continuous operation)		

Cooling System

Coolant capacity	L	6.8
Thermostat operation range	℃	82-95
Max water temperature	℃	104

Alternator

Model	LONGKAI	LK274D
	STAMFORD	UCI274D
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	96
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H/H
Altitude	m	≤1000

Controller-DEEPSEA

Model	DSE6120MK3

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

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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

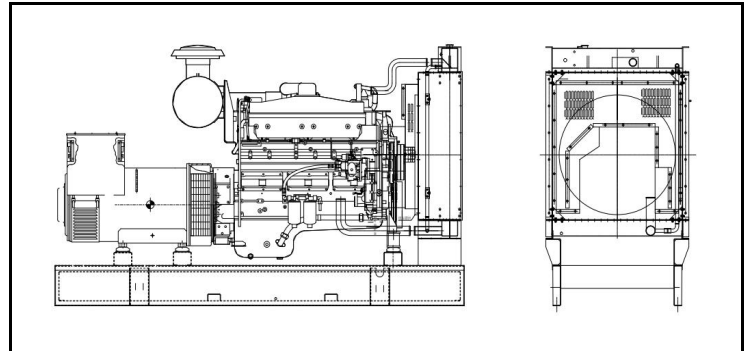|	
Battery charge	○
Engine heater	○
Alternator heater	○
PMG	○
Water oil separator	○
Daily fuel tank	○
Remote control panel	○
Automatic transfer switch/ATS	○
Switch box	○

Standard: ●   Options:○

Warranty*

SDEC Engine
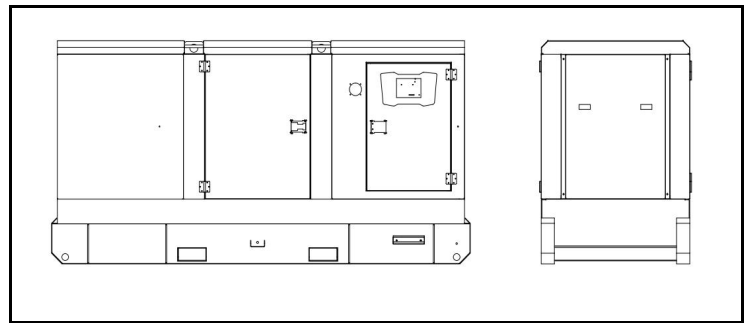24 months from date of purchase and 3000 hours.

Generator
12 months from date of purchase or 1000 hours (whichever occurs first).
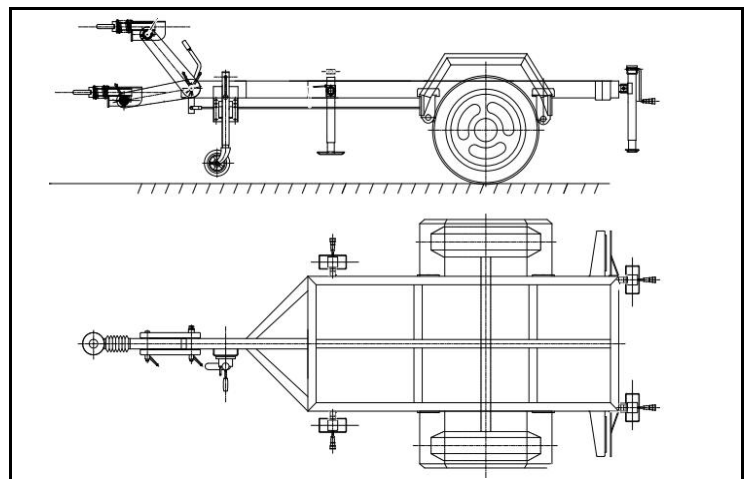
Unit Dimensions(Basic unit)

Open Type

L*W*H	mm	2250*880*1300
Weight	kg	1580

Silent Type

L*W*H	mm	2938*1080*1690
Weight	kg	2170

Trailer Option

L*W*H	mm	4400*1900*950
Max loading weight	kg	1800

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More information, pls refer to our web-site: www.longkaipower.com