POWER YOUR FUTURE
SDEC Generator
LG510SD

6KTAA25-G34

Prime Power: 510KW/637.5KVA

Standby Power: 561KW/701.25KVA

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

28KVA--1000KVA

LONGKAI

Technical Data

Model		LG510SD
Rated prime power	kva	637.5
Rated standard power	kva	701.25
Rated voltage line to line	V	400/230
Rated current	A	920
Maximun sound level	dB(@7m)	100

Engine-SDEC		
Model		6KTAA25-G34
Aspiration		Inline, four stroke, water cooled, pressurized air cooled
Fuel system		Electric pump
No. cylinders		6in line
Displacement	Liquid	25.18
Bore*Stroke	mm	170*185
Compression ratio		14.5:1
Rated speed	r/min	1500
Rated net power(with fan)	Kw	572
Governor type		ECM
Start Motor	V	24V×9kW

Exhause System		
Exhause gas flow	m³/h	8330
Exhause gas temp	℃	500
Max back pressure	kPa	10

Aspiration System		
Max inlet pressure	kPa	11
Air flow	m³/h	3210
Fan consumption	Kw	22

Fuel System		
100% load(Prime power)	L/h	136
75% load(Prime power)	L/h	103
50% load(Prime power)	L/h	71
Fuel tank capacity	L	1100

Lubrication System		
Oil capacity	L	70
Oil consumption	g/kwh	≤4
Lub. Method		/
(continuous operation)		

Cooling System		
Coolant capacity	L	55
Thermostat operation range	℃	77-90
Max water temperature	℃	104

Alternator		
Model	LONGKAI	LK544FS
STAMFORD HCI544FS-S5L1D-F4/S5L1S-F4		
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	500
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

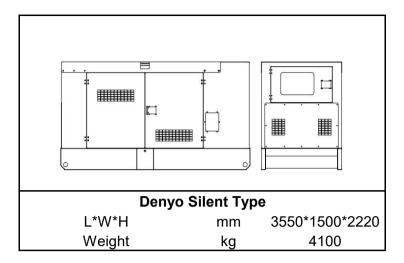# LONGKAI

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)

Denyo Silent Type

L*W*H	mm	3550*1500*2220
Weight	kg	4100

Atlas Silent Type

L*W*H	mm	5280*2100*2500
Weight	kg	6300

Trailer Option

L*W*H	mm	3400*1750*950
Max loading weight	kg	1300