POWER YOUR FUTURE

SDEC Generator LG90SD

4HTAA4.3-G23

Prime Power: 90KW/113KVA

Standby Power: 99KW/124KVA



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 50KVA--1100KVA



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Technical Data

Model		LG90SD
Rated prime power	kva	113
Rated standard power	kva	124
Rated voltage line to line	V	400/230
Rated current	Α	162
Maximun sound level	dB(@7m)	96

Engine-SDEC		
Model		4HTAA4.3-G23
Aspiration	Inline, four strokes, four valves,	water cooled, pressurized and intermediate coole
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	105
Governor type		E
Start Motor	V	24V×4.5kW

Exhause System		
Exhause gas flow	m³/min	16.7
Exhause gas temp	$^{\circ}$ C	600
Max back pressure	kPa	6

Aspiration System		
Max inlet pressure	kPa	6
Air flow	m³/min	7.1
Fan consumption	KW	4

Fuel System		
100% load(Prime power)	L/h	24.7
75% load(Prime power)	L/h	18.6
50% load(Prime power)	L/h	12.6
Fuel tank capacity	L	340

Lubrication System		
Oil capacity	L	13
Oil consumption	g/kwh	1
Lub. Method		1
(continuous operation)		

Cooling System		
Coolant capacity	L	6.8
Thermostat operation range	$^{\circ}\!\mathbb{C}$	82-95
Max water temperature	$^{\circ}\!\mathbb{C}$	104

Alternator

Model LONGKAI LK274D

LG90SD

	STAMFORD	UCI274D
Phase		3
Voltage	V	400/230
Wiring Type	3 Phas	se 4 wire, Y type
Bearing		1
Power factor		0.8
Frequency	Hz	50
Prime power	KW	96
Exciter Type	Brushles	s, 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

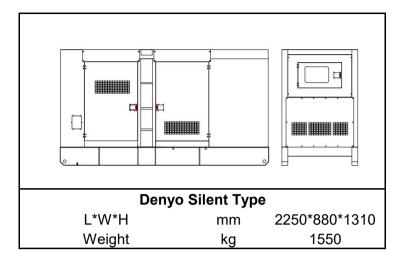
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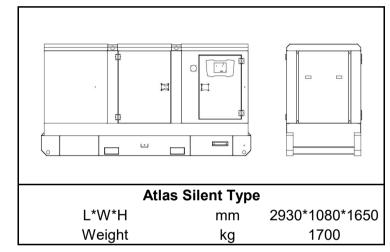


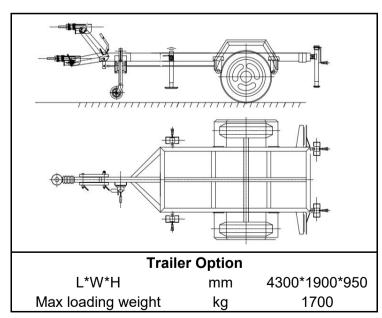
Standard Features

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 •

Unit Dimensions(Basic unit)







Options

Options		
Battery charge		0
Engine heater		\bigcirc
Alternator heater		\bigcirc
PMG		\bigcirc
Water oil separator		\bigcirc
Daily fuel tank		\bigcirc
Remote control panel		\bigcirc
Automatic transfer switch/AT	S	\bigcirc
Switch box		\bigcirc
Standard: ●	Options:o	

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).

