POWER YOUR FUTURE

SDEC Generator LG180SD

6DTAA8.9-G24

Prime Power: 180KW/225KVA

Standby Power: 198KW/248KVA



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



FUAN LONGKAI POWER CO.,LTD.

Headquarters:

Add: Wei 5 Road, Tiehu Industrial Zone, Fuan, Fujian, China

Tel:+86-0593-6309773 Fax:+86-0593-6586988

E-mail: sales@longkaipower.com Web: www.longkaipower.com



Alternator

Technical Data

Model		LG180SD
Rated prime power	kva	225
Rated standard power	kva	248
Rated voltage line to line	V	400/230
Rated current	Α	325
Maximun sound level	dB(@7m)	96

Engine-SDEC		
Model		6DTAA8.9-G24
Aspiration	In-line,4strokes,4valve	s,water-cooled,Turbo charged with aftercoole
Fuel system		"P" type
No. cylinders		6 in line
Displacement	Liquid	8.82
Bore*Stroke	mm	114*144
Compression ratio		18:1
Rated speed	r/min	1500
Rated net power(with fan)	Kw	208
Governor type		E
Start Motor	V	24V×4.5kW

Exhause System		
Exhause gas flow	m³/min	13.1
Exhause gas temp	$^{\circ}\!\mathbb{C}$	600
Max back pressure	kPa	6

Aspiration System		
Max inlet pressure	kPa	6
Air flow	m³/min	20.9
Fan consumption	KW	6

Fuel System		
100% load(Prime power)	L/h	49.6
75% load(Prime power)	L/h	36.8
50% load(Prime power)	L/h	25.7
Fuel tank capacity	L	480

Lubrication System		
Oil capacity	L	19
Oil consumption	g/kwh	≤4
Lub. Method		1
(continuous operation)		

Cooling System		
Coolant capacity	L	12
Thermostat operation range	$^{\circ}$ C	82-95
Max water temperature	$^{\circ}\!\mathbb{C}$	104

LG180SD

LONGKAI	LK274J
STAMFORD	UCDI274J
	3
V	400/230
3 Pha	se 4 wire, Y type
	1
	0.8
	STAMFORD

50 Frequency Hz Prime power ΚW 184 **Exciter Type** Brushless, self-excitation Voltage regulation ±0.5 **IP 23 Protection Grade** Insulation grade H/H Altitude ≤1000 m

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

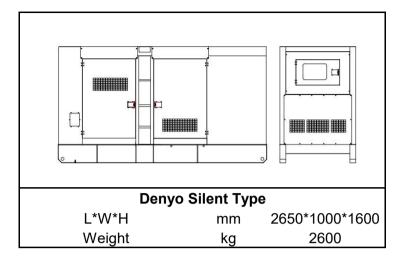
Fuan Longkai Power Co., Ltd. | Web: www.longkaipower.com

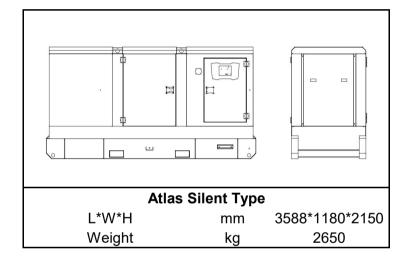


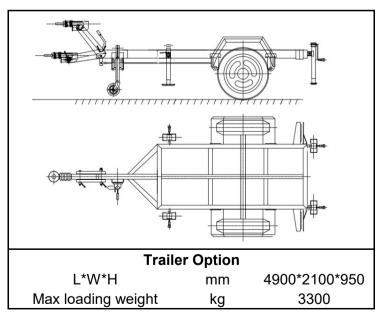
Standard Features

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		\circ
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).

