# POWER YOUR FUTURE SDEC Generator LG45SD

# 4HT4.3-G21

Prime Power: 45KW/56.25KVA

Standby Power: 49.5KW/61.88KVA

# SDEC Series



## **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.



### FUAN LONGKAI POWER CO., LTD.

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# **Technical Data**

Model		LG45SD
Rated prime power	kva	56.25
Rated standard power	kva	61.88
Rated voltage line to line	V	400/230
Rated current	А	81
Maximun sound level	dB(@7m)	96

Engine-SDEC			
Model		4HT4.3-G21	
Aspiration	Inline, four strokes, four v	valves, water cooled, pressurized and intermediate cooled	
Fuel system	North oil straight line AD pump		
No. cylinders		4 in line	
Displacement	Liquid	4.3	
Bore*Stroke	mm	105*124	
Compression ratio		17.3 : 1	
Rated speed	r/min	1500	
Rated net power(with fan)	Kw	51	
Governor type		Е	
Start Motor	V	24V×4.5kW	

Exhause System		
Exhause gas flow	m³/min	10.2
Exhause gas temp	°C	600
Max back pressure	kPa	6

# Aspiration SystemMax inlet pressurekPa6Air flowm³/min4.5Fan consumptionKW2

Fuel System		
100% load(Prime power)	L/h	12.8
75% load(Prime power)	L/h	9.7
50% load(Prime power)	L/h	7.3
Fuel tank capacity	L	120

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

### (continuous operation)

# Cooling SystemCoolant capacityLThermostat operation range°CMax water temperature°C

Alternator			
Model	LONGKAI	LK224E	
	STAMFORDU	CI224E-S1L2-Y1	
Dhara		0	
Phase		3	
Voltage	V	400/230	
Wiring Type	3 Phase 4 wire, Y typ		
Bearing		1	
Power factor		0.8	
Frequency	Hz	50	
Prime power	KW	48	
Exciter Type	Brushless, self-excitation		
Voltage regulation	%	±0.5	
Protection Grade		IP 23	
Insulation grade		H/H	
Altitude	m	≤1000	
Controller-DEEPSEA	4		
Model		DSE6120MK3	
Protective functions:			
Low oil pressure			
High water temperature			
High/low voltage			
High Engine Temperature	re and Overspee	ed.	
Voltage regulator freque	ncy regulator		
Emergency stop			
Start failure			



### **Control Module Options**

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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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### LG45SD



### **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		0
Engine heater		$\bigcirc$
Alternator heater		Ο
PMG		$\bigcirc$
Water oil separator		$\bigcirc$
Daily fuel tank		$\bigcirc$
Remote control panel		$\bigcirc$
Automatic transfer switch/AT	ſS	Ο
Switch box		Ο
Standard: •	Options:o	

### Warranty\*

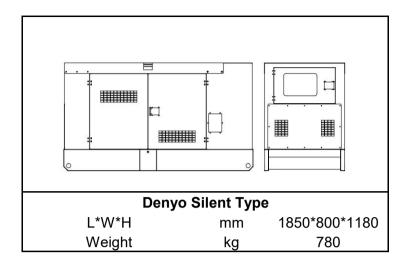
### **SDEC Engine**

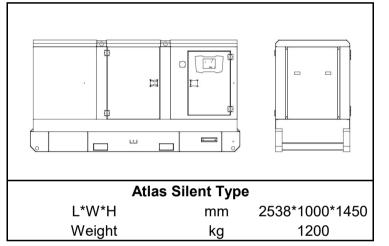
24 months from date of purchase and 3000 hours.

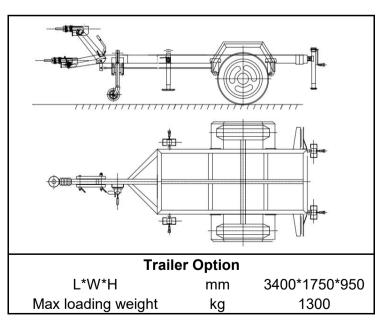
### Generator

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

### Unit Dimensions(Basic unit)









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

Manufacturer reserves the right to make changes in model, technical specification, color, equipment and accessories without notice.