

POWER YOUR FUTURE

SDEC Generator
LG160SD

6DTAA8.9-G21

Prime Power: 160KW/200KVA
Standby Power: 176KW/220KVA



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		LG160SD
Rated prime power	kva	200
Rated standard power	kva	220
Rated voltage line to line	V	400/230
Rated current	A	289
Maximun sound level	dB(@7m)	96

Engine-SDEC

Model		6DTAA8.9-G21
Aspiration	our stroke, water cooled, pressurized and medium cooled	
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	185
Governor type	E	
Start Motor	V	24V×7.5kW

Exhaust System

Exhaust gas flow	m ³ /min	/
Exhaust gas temp	°C	600
Max back pressure	kPa	6

Aspiration System

Max inlet pressure	kPa	6
Air flow	m ³ /min	/
Fan consumption	KW	6

Fuel System

100% load(Prime power)	L/h	44.1
75% load(Prime power)	L/h	32.8
50% load(Prime power)	L/h	22.8
Fuel tank capacity	L	480

Lubrication System

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

Cooling System

Coolant capacity	L	12
Thermostat operation range	°C	82-95
Max water temperature	°C	104

Alternator

Model	LONGKAI	LK274H
	STAMFORD	UCI274H
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	200
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

Controller-DEESEA

Model	DSE6120MK3
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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

