

POWER YOUR FUTURE

SDEC Generator
LG45SD

4HT4.3-G21

Prime Power: 45KW/56.25KVA

Standby Power: 49.5KW/61.88KVA



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

Technical Data

LG45SD

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

Engine-SDEC

| Model | 4HT4.3-G21 | |
|---------------------------|---|-----------|
| Aspiration | <small>Inline, four strokes, four valves, water cooled, pressurized and intermediate cooled</small> | |
| 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 | E | |
| Start Motor | V | 24V×4.5kW |

Exhaust System

| | | |
|-------------------|---------------------|------|
| Exhaust gas flow | m ³ /min | 10.2 |
| Exhaust gas temp | °C | 600 |
| Max back pressure | kPa | 6 |

Aspiration System

| | | |
|--------------------|---------------------|-----|
| Max inlet pressure | kPa | 6 |
| Air flow | m ³ /min | 4.5 |
| Fan consumption | KW | 2 |

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) | | |

Cooling System

| | | |
|----------------------------|----|-------|
| Coolant capacity | L | 6.8 |
| Thermostat operation range | °C | 82-95 |
| Max water temperature | °C | 104 |

Alternator

| Model | LONGKAI | LK224E |
|--------------------|----------------------------|---------|
| | STAMFORD UCI224E-S1L2-Y1 | |
| 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 | 48 |
| Exciter Type | Brushless, self-excitation | |
| Voltage regulation | % | ±0.5 |
| Protection Grade | IP 23 | |
| Insulation grade | H/H | |
| Altitude | m | ≤1000 |

Controller-DEESEA

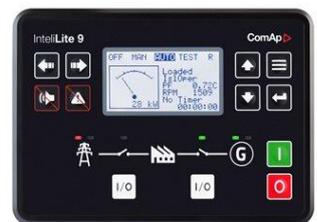
| | |
|-------|------------|
| Model | DSE6120MK3 |
|-------|------------|

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

