

POWER YOUR FUTURE

Cummins Generator LG40C

4BTA3.9-G2

Prime Power: 40KW/50KVA

Standby Power: 44KW/55KVA



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.

Cummins Series

25KVA--2000KVA



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Technical Data

LG40C

Model	LG40C	
Rated prime power	kva	50
Rated standard power	kva	55
Rated voltage line to line	V	400/230
Rated current	A	72
Maximun sound level	dB(@7m)	70

Engine-DCEC Cummins		
Model	4BTA3.9-G2	
Aspiration	Turbo, Water/Air DC	
Fuel system	AD type	
No. cylinders	4 in line	
Displacement	Liquid	3.9
Bore*Stroke	mm	102*120
Compression ratio	16.5	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	50
Governor type	Electrical	
Start Motor	V	24

Exhaust System		
Exhaust gas flow	m³/min	14.8
Exhaust gas temp	°C	497
Max back pressure	kPa	10

Aspiration System		
Max inlet pressure	kPa	6.2
Combustion volume	m³/min	5.9
Air flow	m³/min	158

Fuel System		
100% load(Prime power)	L/h	13.1
75% load(Prime power)	L/h	9.8
50% load(Prime power)	L/h	6.7
Fuel tank capacity	L	145

Lubrication System		
Oil capacity	L	16.4
Oil consumption	g/kwh	≤4
Oil pressure	kPa	350
(continuous operation)		

Cooling System		
Coolant capacity	L	24
Thermostat operation range	°C	83-95
Max water temperature	°C	100

Alternator		
Model	LONGKAI	LK224D
	STAMFORD	UCI224D
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	KVA	50
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

Controller-DEEPSEA	
Model	DSE6120

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(DCEC Cummins)
- 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
 - Engine heater
 - Alternator heater
 - PMG
 - Water oil separator
 - Daily fuel tank
 - Remote control panel
 - Automatic transfer switch/ATS
 - Switch box
- Standard: ● Options:○

Warranty*

Cummins Engine

12 months from date of purchase and 1000 hours.

Generator

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



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.

Unit Dimensions(Basic unit)

