

POWER YOUR FUTURE

Cummins Generator LG90C

6BT5.9-G2

Prime Power: 92KW/115KVA

Standby Power: 101.2KW/126.5KVA



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



LONGKAI

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Technical Data

Model	LG90C	
Rated prime power	kva	115
Rated standard power	kva	126.5
Rated voltage line to line	V	400/230
Rated current	A	166
Maximun sound level	dB(@7m)	96

Engine-DCEC Cummins

Model	6BT5.9-G2	
Aspiration	Turbo	
Fuel system	PB north oil pump	
No. cylinders	6 in line	
Displacement	Liquid	5.9
Bore*Stroke	mm	102*120
Compression ratio	17.3: 1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	106
Governor type	Electrical	
Start Motor	V	24

Exhaust System

Exhaust gas flow	m ³ /min	270
Exhaust gas temp	°C	490
Max back pressure	kPa	10

Aspiration System

Max inlet pressure	kPa	/
Combustion volume	kPa	/
Air flow	m ³ /min	105

Fuel System

100% load(Prime power)	L/h	24.2
75% load(Prime power)	L/h	18.2
50% load(Prime power)	L/h	12.5
Fuel tank capacity	L	340

Lubrication System

Oil capacity	L	16.4
Oil consumption	g/kwh	≤4
Oil pressure	kPa	345
(continuous operation)		

Cooling System

Coolant capacity	L	7.9
Thermostat operation range	°C	82-95
Max water temperature	°C	104

Alternator

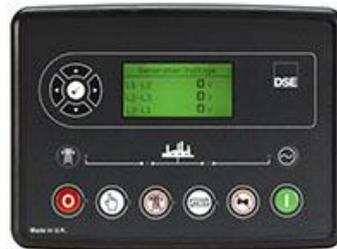
Model	LONGKAI	LK274D
	STAMFORD	UCI274D
Phase	3	
Voltage	V	400/230
Wiring Type	3 Phase 4 wire, Y type	
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	96
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

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

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*

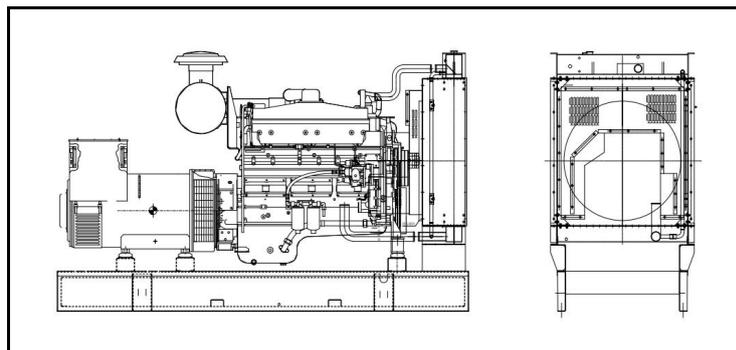
Cummins Engine

12 months from date of purchase and 1000 hours.

Generator

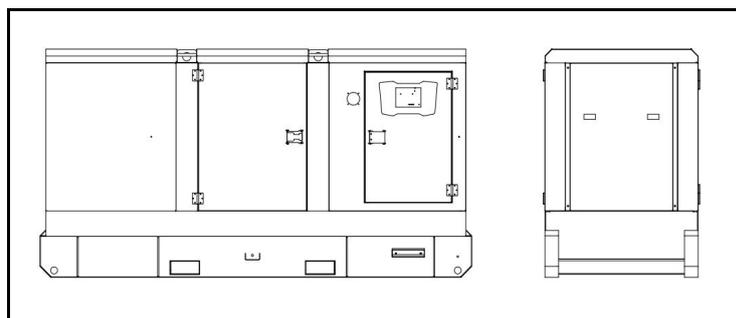
12 months from date of purchase or 1000 hours (whichever occurs first).

Unit Dimensions(Basic unit)



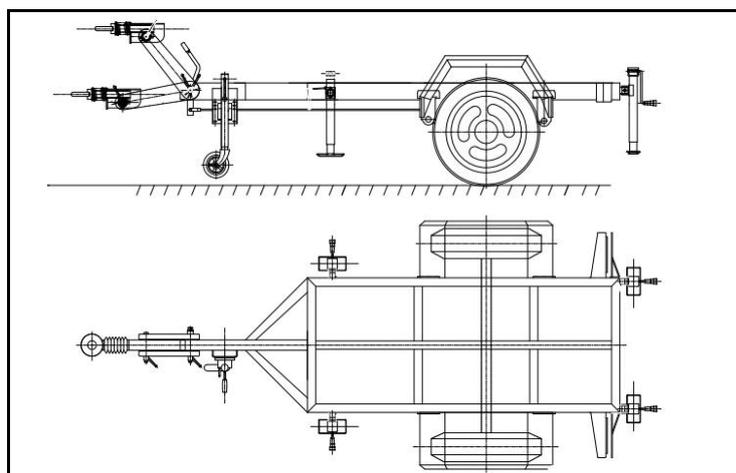
Open Type

L*W*H	mm	2200*880*1360
Weight	kg	1150



Silent Type

L*W*H	mm	2930*1080*1650
Weight	kg	1700



Trailer Option

L*W*H	mm	4300*1900*950
Max loading Weight	kg	1700