

POWER YOUR FUTURE

Cummins Generator
LG22C

4B3.9-G1

Prime Power: 22KW/27.5KVA

Standby Power: 24.2KW/30.25KVA



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

Model		LG22C
Rated prime power	kva	27.5
Rated standard power	kva	30.25
Rated voltage line to line	V	400/230
Rated current	A	40
Maximun sound level	dB(@7m)	96

Engine-DCEC Cummins

Model		4B3.9-G1
Aspiration		normally aspirated
Fuel system		North oil A pump /RSV
No. cylinders		4 in line
Displacement	Liquid	3.9
Bore*Stroke	mm	102*120
Compression ratio		
Rated speed	r/min	1500
Rated net power(with fan)	Kw	24
Governor type		chanical speed governors
Start Motor	V	24

Exhaust System

Exhaust gas flow	litre/sec	67
Exhaust gas temp	°C	380
Max back pressure	kPa	76

Aspiration System

Max inlet pressure	kPa	/
Combustion volume	m ³ /min	/
Air flow	litre/sec	33

Fuel System

100% load(Prime power)	L/h	7.1
75% load(Prime power)	L/h	5.7
50% load(Prime power)	L/h	4.3
Fuel tank capacity	L	100

Lubrication System

Oil capacity	L	10.9
Oil consumption	g/kwh	0.5
Oil pressure	kPa	207-345
(continuous operation)		

Cooling System

Coolant capacity	L	7.2
Thermostat operation range	°C	82-95
Max water temperature	°C	104

Alternator

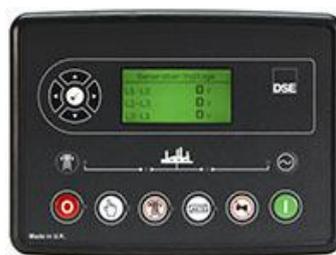
Model	LONGKAI	LK184F
	STAMFORD	PI144F-SOL2-P1
Phase		3
Voltage	V	400/230
Wiring Type		3 Phase 4 wire, Y type
Bearing		1
Power factor		0.8
Frequency	Hz	50
Prime power	KW	22
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H/H
Altitude	m	≤1000

Controller-DEEPSEA

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*

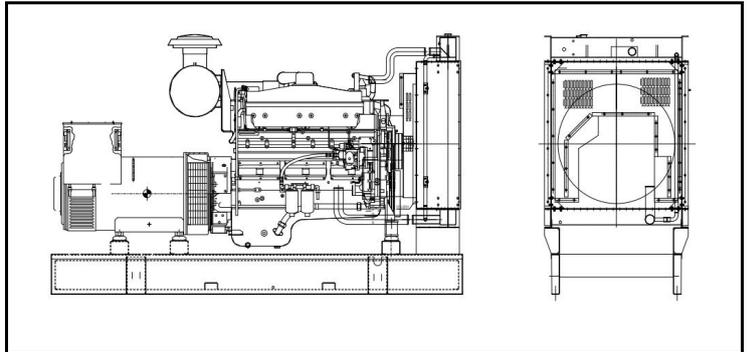
Cummins Engine

12 months from date of purchase and 1000 hours.

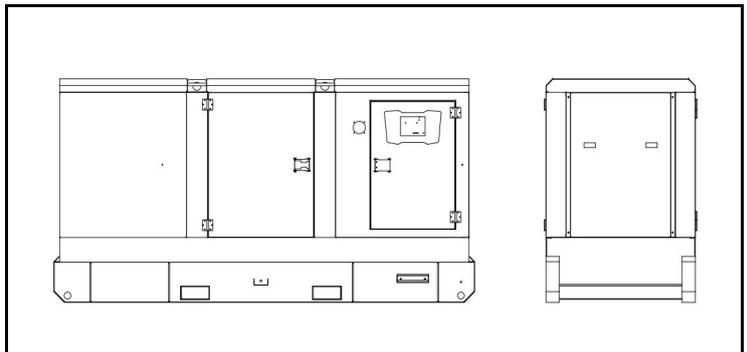
Generator

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

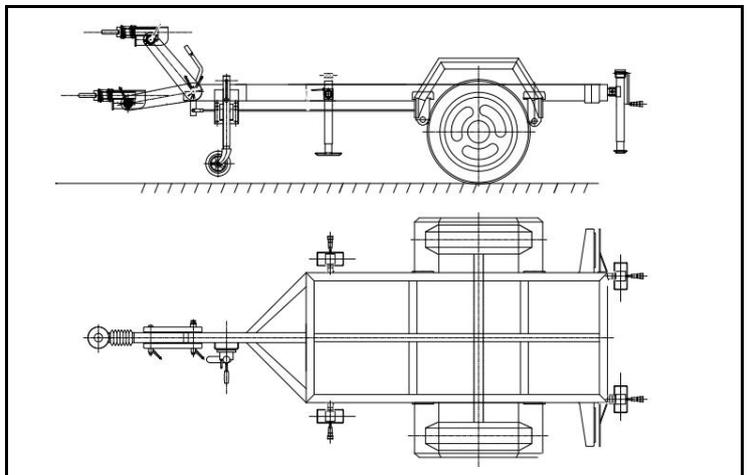
Unit Dimensions(Basic unit)



Open Type		
L*W*H	mm	1850*800*1160
Weight	kg	800



Silent Type		
L*W*H	mm	2380*1000*1450
Weight	kg	1200



Trailer Option		
L*W*H	mm	3300*1750*950
Max loading weight	kg	1050