

# POWER YOUR FUTURE

## Cummins Generator

### LG144C

## 6CTA8.3-G2

Prime Power: 144KW/180KVA

Standby Power: 158KW/198KVA



## 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 60HZ

25KVA--1400KVA

## Technical Data

LG144C

Model LG144C		
Rated prime power	kva	180
Rated standard power	kva	198
Rated voltage line to line	V	220/127
Rated current	A	472
Maximun sound level	dB(@7m)	96

### Engine-DCEC Cummins

Model	6CTA8.3-G2	
Aspiration	Turbo, Water/Air Cooling	
Fuel system	PB type	
No. cylinders	6 in line	
Displacement	Liquid	8.3
Bore*Stroke	mm	114*135
Compression ratio	17	
Rated speed	r/min	1800
Rated net power(with fan)	Kw	175
Governor type	Electrical	
Start Motor	V	24

### Exhaust System

Exhaust gas flow	m³/min	34.7
Exhaust gas temp	°C	570
Max back pressure	kPa	10

### Aspiration System

Max inlet pressure	kPa	6
Combustion volume	m³/min	12.4
Air flow	m³/min	238

### Fuel System

100% load(Prime power)	L/h	40
75% load(Prime power)	L/h	30
50% load(Prime power)	L/h	20
Fuel tank capacity	L	350

### Lubrication System

Oil capacity	L	27.6
Oil consumption	g/kwh	≤4
Oil pressure	kPa	276-414
(continuous operation)		

### Cooling System

Coolant capacity	L	34
Thermostat operation range	°C	82-95
Max water temperature	°C	104

### Alternator

Model	LK274F	
	STAMFORD	UCI274E
Phase	3	
Voltage	V	220/127
Wiring Type	3 Phase 4 wire, Y type	
Bearing	1	
Power factor	0.8	
Frequency	Hz	60
Prime power	KVA	190/181
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

### Controller-DEEPSEA

Model	DSE6120
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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\*

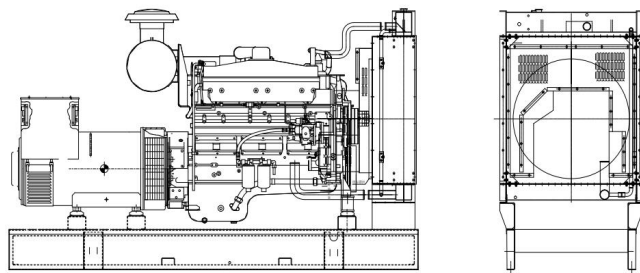
### Cummins Engine

12 months from date of purchase and 1000 hours.

### Generator

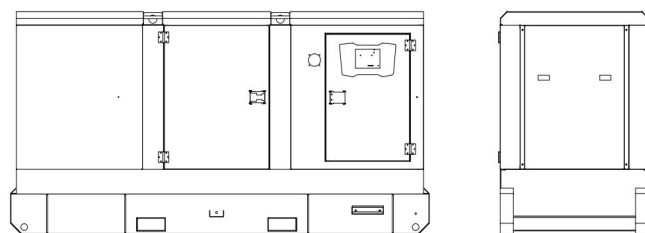
12 months from date of purchase or 1000 hours (whichever occurs first).

## Unit Dimensions(Basic unit)



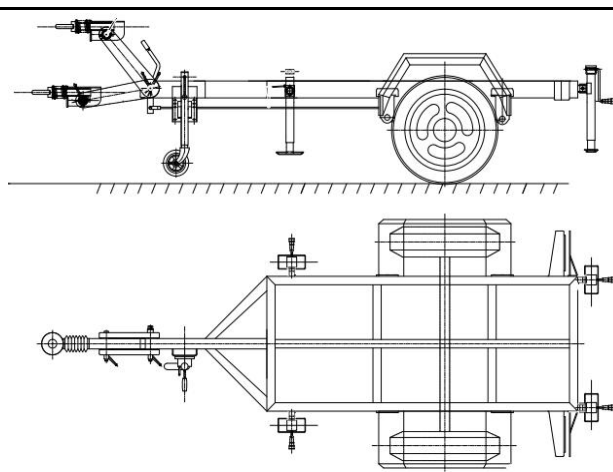
### Open Type

L*W*H	mm	2400*930*1540
Weight	kg	1500



### Silent Type

L*W*H	mm	3280*1130*1750
Weight	kg	2300



### Trailer Option

L*W*H	mm	4500*2000*950
Max loading Weight	kg	2200