

# POWER YOUR FUTURE

## Cummins Generator LG320C

# QSNT-G3

Prime Power: 320KW/400KVA

Standby Power: 352KW/440KVA



## 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		LG320C
Rated prime power	kva	400
Rated standard power	kva	440
Rated voltage line to line	V	400/230
Rated current	A	649.44
Maximun sound level	dB(@7m)	≤100

### Engine-DCEC Cummins

Model	QSNT-G3	
Aspiration	Four-stroke, in-line, six-cylinder	
Fuel system	PT type	
No. cylinders	6 in line	
Displacement	Liquid	14
Bore*Stroke	mm	140*152
Compression ratio	14	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	358
Governor type	EFC Electrical	
Start Motor	V	24

### Exhaust System

Exhaust gas flow	L/s	
Exhaust gas temp	°C	
Max back pressure	kPa	10

### Aspiration System

Max inlet pressure	kPa	17
Combustion volume	L/s	/
Air flow	L/s	

### Fuel System

100% load(Prime power)	L/h	
75% load(Prime power)	L/h	
50% load(Prime power)	L/h	
Fuel tank capacity	L	520

### Lubrication System

Oil capacity	L	38.6
Oil consumption	L/h	≤0.24
Oil pressure	kPa	103
(continuous operation)		

### Cooling System

Coolant capacity	L	20.8
Thermostat operation range	°C	82-94
Max water temperature	°C	96

### Alternator

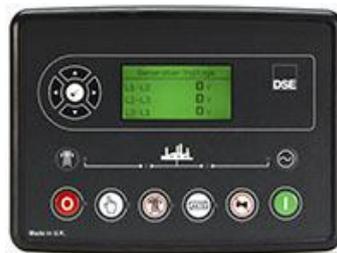
Model	LONGKAI	LK444F
	STAMFORD	HCI444F-S4L1D-F41/S4L1S-F4
Phase		3
Voltage	V	400/230
Wiring Type	3 Phase 4 wire, Y type	
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	320
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	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(CCEC 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\*

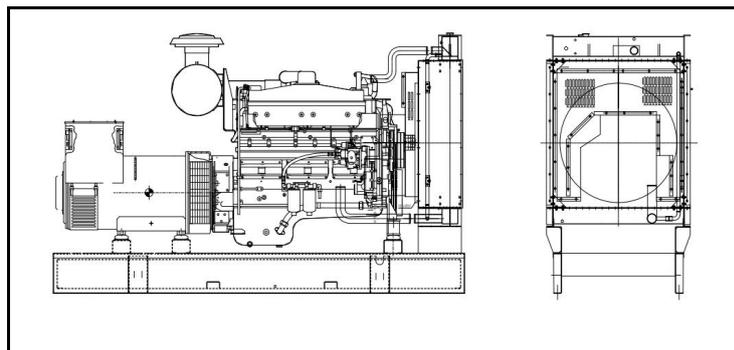
#### Cummins Engine

12 months from date of purchase and 1000 hours.

#### Generator

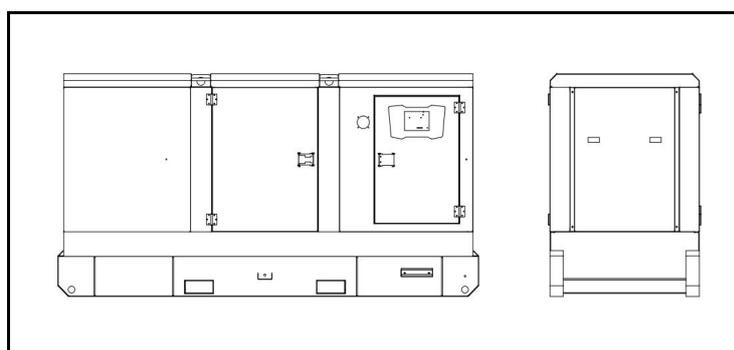
12 months from date of purchase or 1000 hours (whichever occurs first).

### Unit Dimensions(Basic unit)



#### Open Type

L*W*H	mm	3350*1150*1950
Weight	kg	3900



#### Silent Type

L*W*H	mm	4218*1400*2250
Weight	kg	4500