

# Cummins Generator

Prime: 64KW/80KVA  
Standby: 70KW/88KVA



**SAFETY**

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.

## Technical Data

Model		AJ- 88C
Prime power	kva	80
	kw	64
Standby power	kva	88
	kw	66
Rated voltage line to line	V	230/400
Rated current	A	115,2
Maximun sound level	dB@7m	72

Engine Cummins

## GENERATOR 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.

Model		4BTA3.9-G11
Aspiration		Four-stroke,water-cooled,in-line,direct injection,turbocharged,after cooled
Fuel system		BYC PB electric governor
No. cylinders		4
Displacement	L	3,9
Bore*Stroke	mm	102x120
Compression ratio		17.3:1
Rated speed	r/min	1500
Governor		Electric system
Engine wet weight	kg	350
Engine idel speed		950-1050
Fire order		1-3-4-2
Start Motor	V	24

### Exhause System

Max exhaust back pressure	kPa	10
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### Air intake System

Max inlet pressure (Dirty air)	kPa	6,2
Max inlet pressure (Clean air)	kPa	3,7

### Fuel System

110% load(Standby power)	L/h	20
100% load(Prime power)	L/h	17,6
75% load(Prime power)	L/h	13,2
50% load(Prime power)	L/h	9,1
25% load(Prime power)	L/h	5,3

### Lubrication System

Idle speed oil pressure	kPa	207
Governed speed oil pressure	kPa	345
Max Oil temp	°C	121
Oil capacity	L	10,9

### Cooling System

Coolant capacity--Engine only	L	8,3
Max coolant friction head to engine	Kpa	35
Max water temp standby/prime powe	°C	104/100

### Standard Features

Engine(Cummins ENGINE)	●
Radiator 50°C max,fans are driven by belt	●
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 / ACB	●
Base fuel tank	●
Two 24V batteries, rac and cable	●
Exhaust system(Ripple flex exhaust pipe)	●
Exhaust siphon, flange, muffler	●
User manual	●
Battery charge	●

## Options

Water heater	<input type="radio"/>
Alternator heater	<input type="radio"/>
PMG	<input type="radio"/>
Water oil separator	<input type="radio"/>
Daily fuel tank	<input type="radio"/>
Remote control panel	<input type="radio"/>
Automatic transfer switch/ATS	<input type="radio"/>
Switch box	<input type="radio"/>

Standard: ●

Options:○

## Alternator

Model		TAL-A44-C/68KW
Alternator Brand		Leroy Somer
Phase		3
Voltage	V	230/400
Wiring Type		12 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	85
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5

Protection Grade

IP 23

Insulation grade

H

**Controller**

**Deepsea**

Model

**DSE 6120**

Built-in governor and AVR control

Base load (kW export) functionality

Mains (utility) de-coupling protection

Generator power (kW, kVA) monitoring

Overload (kW & kV Ar) protection

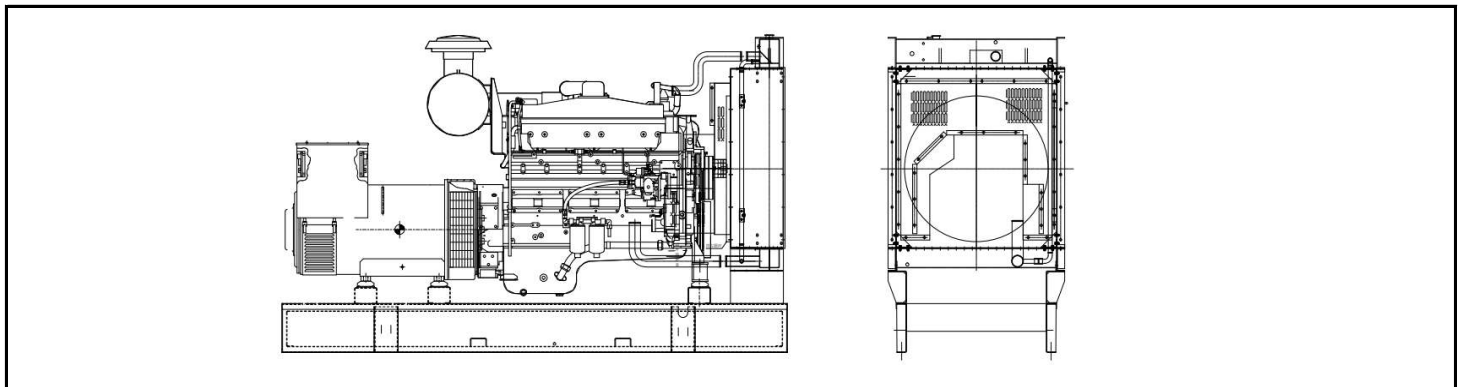
Emergency stop

Start failure

Etc...



**Unit Dimensions(Basic unit)**



**Open Type**

L\*W\*H

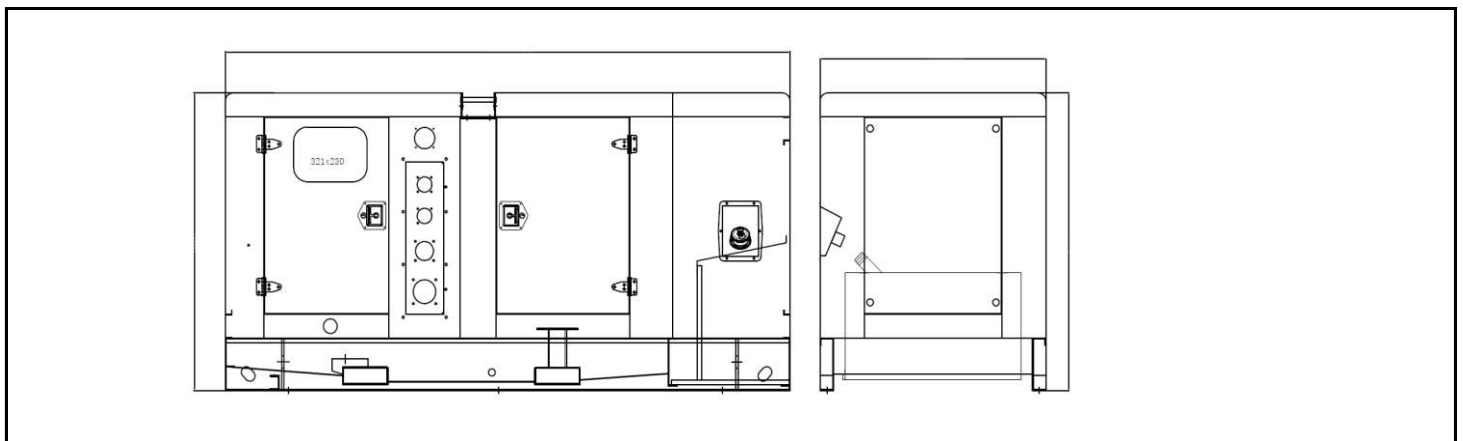
mm

1900\*850\*1300

Weight

kg

1020



**Silent Type**

L\*W\*H

mm

2500\*1000\*1400

Weight

kg

1320

## Warranty

### **Cummin Engine**

12 months from date of purchase or 1000 hours.

### **Generator**

12 months from date of purchase or 1000 hours

(whichever comes first).