

# Cummins Generator

Prime: 40KW/50KVA  
Standby: 44KW/55KVA



**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- 55C
Prime power	kva	50
	kw	40
Standby power	kva	55
	kw	44
Rated voltage line to line	V	230/400
Rated current	A	72
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-G2
Aspiration		Four-stroke, water-cooled, in-line, direct injection, turbocharged
Fuel system		BYC PB GAC/24V
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	355
Engine idel speed		950-1050
Fire order		1-3-4-2
Start Motor	V	24

### Exhause System

Max exhaust back pressure	kPa	10
Exhuast pipe size	mm	75

### Air intake System

Max inlet pressure (Dirty air)	kPa	6
Max inlet pressure (Clean air)	kPa	4

### Fuel System

110% load(Standby power)	L/h	14,1
100% load(Prime power)	L/h	12,9
75% load(Prime power)	L/h	10
50% load(Prime power)	L/h	7
25% load(Prime power)	L/h	4,2

### 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	○
Alternator heater	○
PMG	○
Water oil separator	○
Daily fuel tank	○
Remote control panel	○
Automatic transfer switch/ATS	○
Switch box	○
Standard: ●	Options:○

## Alternator

Model	TAL-A42-G/40KW
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 50
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)**

<b>Open Type</b>		
L*W*H	mm	1850*850*1260
Weight	kg	890

<b>Silent Type</b>		
L*W*H	mm	2300*1000*1300

Weight

kg

1180

## 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).