

Cummins Generator

Prime: 112KW/140KVA
Standby: 123KW/155KVA



**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- 155C
Prime power	kva	140
	kw	112
Standby power	kva	155
	kw	123
Rated voltage line to line	V	230/400
Rated current	A	201,6
Maximun sound level	dB@7m	73
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		6BTAA5.9-G2
Aspiration		Four-stroke,water-cooled,in-line,direct injection,turbocharged, charged air cooled
Fuel system		BYC PB electric governor
No. cylinders		6
Displacement	L	5,9
Bore*Stroke	mm	102x120
Compression ratio		17.3:1
Rated speed	r/min	1500
Governor		Electric system
Engine wet weight	kg	411
Engine idel speed		750-850
Fire order		1-5-3-6-2-4
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
Max inlet pressure (Clean air)	kPa	3,7

Fuel System

110% load(Standby power)	L/h	34
100% load(Prime power)	L/h	30
75% load(Prime power)	L/h	23
50% load(Prime power)	L/h	16
25% load(Prime power)	L/h	9

Lubrication System

Idle speed oil pressure	kPa	207
Governed speed oil pressure	kPa	345
Max Oil temp	℃	121
Oil capacity	L	16,4

Cooling System

Coolant capacity--Engine only	L	10
Max coolant friction head to engine	Kpa	35
Max water temp standby/prime powe	℃	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-A44-H/110KW	
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	137,5
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5

Protection Grade
Insulation grade

IP 23
H

ControllerDeepsea

ModelDSE 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

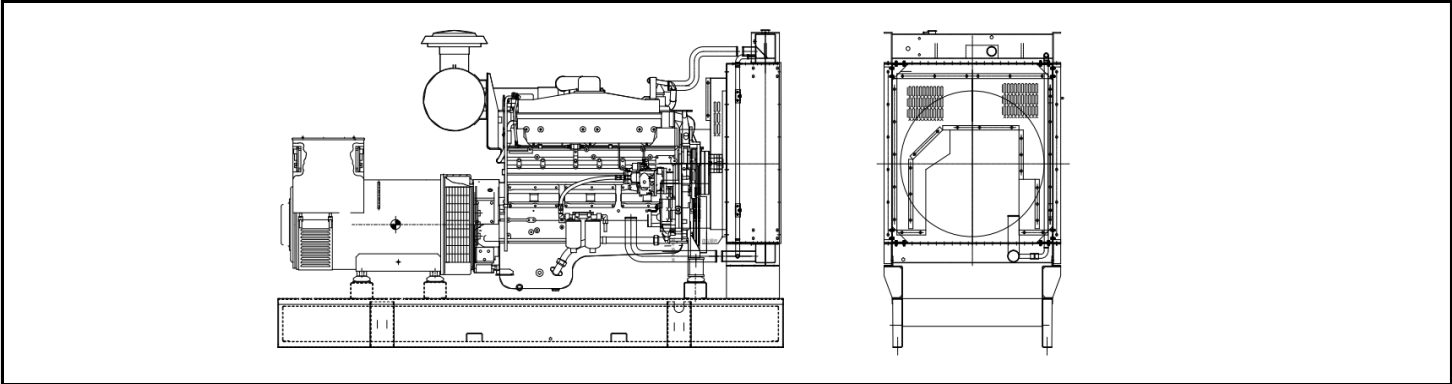
Emergency stop

Start failure

Etc...

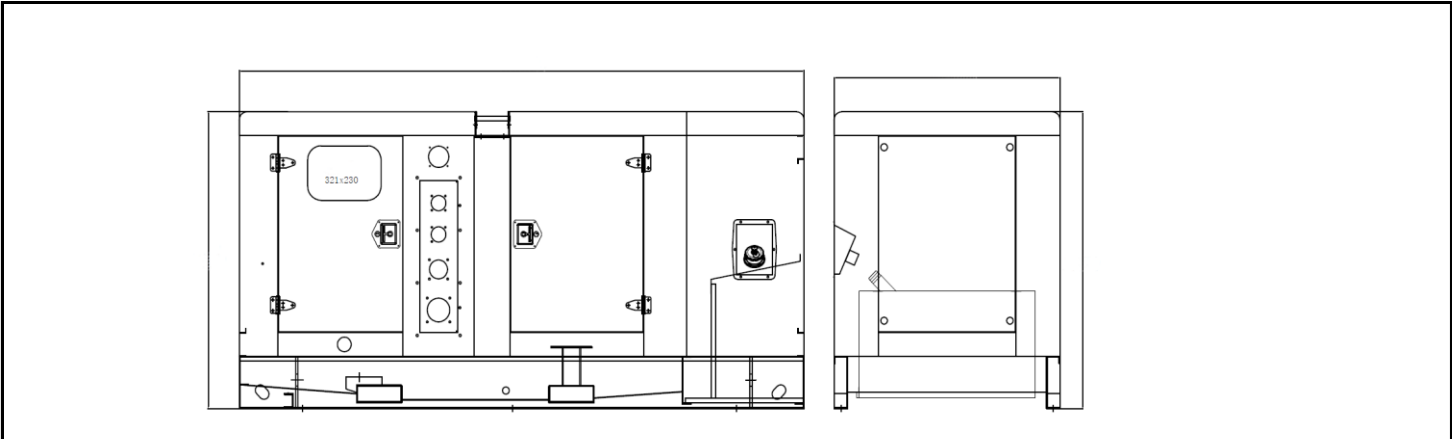


Unit Dimensions(Basic unit)



Open Type

L*W*H	mm	2200*950*1350
Weight	kg	1250



Silent Type

L*W*H	mm	2850*1050*1550
Weight	kg	1650

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).