

Cummins Generator

Prime: 100KW/125KVA
Standby: 110KW/138KVA



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.

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- 138C
Prime power	kva	125
	kw	100
Standby power	kva	138
	kw	110
Rated voltage line to line	V	230/400
Rated current	A	180
Maximun sound level	dB@7m	73

Engine

Cummins

Model		6BTA5.9-G2
Aspiration		Four-stroke,water-cooled,in-line,direct injection,turbocharged, after 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	435
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	30
100% load(Prime power)	L/h	27
75% load(Prime power)	L/h	20
50% load(Prime power)	L/h	14
25% load(Prime power)	L/h	8

Lubrication System

Idle speed oil pressure	kPa	207
Governed speed oil pressure	kPa	345
Max Oil temp	°C	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	°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-E/100KW
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	125
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

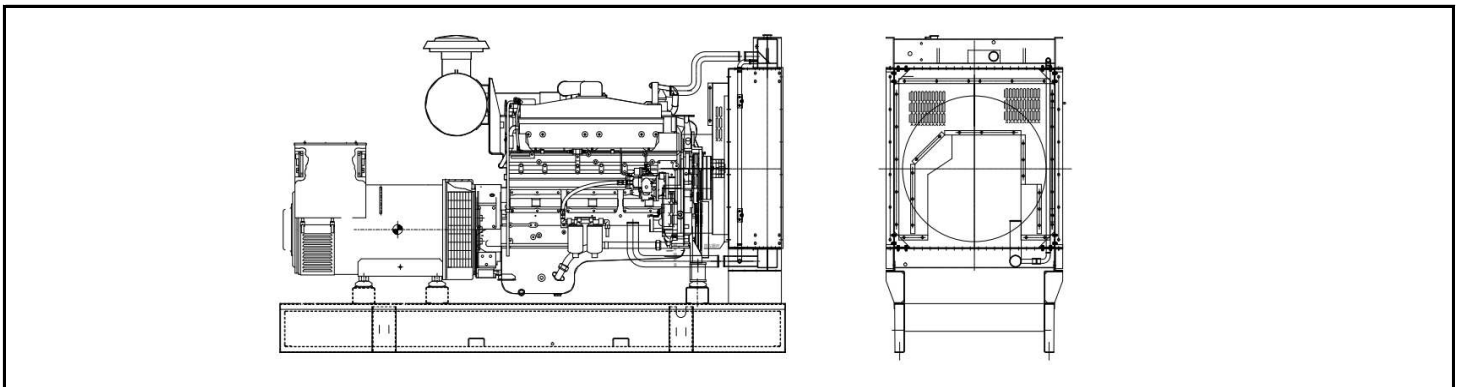
Emergency stop

Start failure

etc...



Unit Dimensions(Basic unit)



Open Type

L*W*H

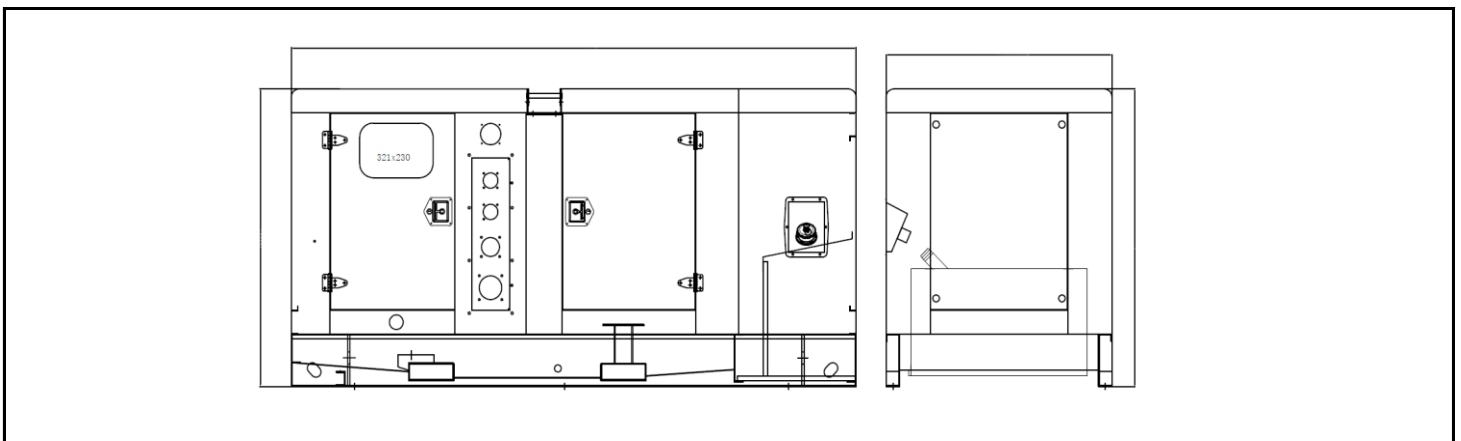
mm

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).