

Cummins Generator

Prime: 220KW/275KVA
Standby: 240KW/300KVA



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- 300C
Prime power	kva	275
	kw	220
Standby power	kva	300
	kw	240
Rated voltage line to line	V	230/400
Rated current	A	396
Maximun sound level	dB@7m	75

Engine-Cummins	
Model	6LTAA9.5G3
Aspiration	Four-stroke,water-cooled,in-line,direct injection,turbocharged, charged air cooled

Fuel system		BYC P7100 GAC
No. cylinders		6
Displacement	L	8,9
Bore*Stroke	mm	114x145
Compression ratio		16.6:1
Rated speed	r/min	1500
Governor		Electric system
Engine wet weight	kg	650
Engine idel speed		800-1000
Fire order		1-5-3-6-2-4
Start Motor	V	24

Exhaust 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	66
100% load(Prime power)	L/h	58
75% load(Prime power)	L/h	44
50% load(Prime power)	L/h	30

Lubrication System

Idle speed oil pressure	kPa	103
Governed speed oil pressure	kPa	276-414
Max Oil temp	°C	121
Oil capacity	L	27,6

Cooling System

Coolant capacity--Engine only	L	11,1
Max coolant friction head to engine	Kpa	28
Max water temp standby/prime powe	°C	110/104

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-A46-E/220KW
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	275
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

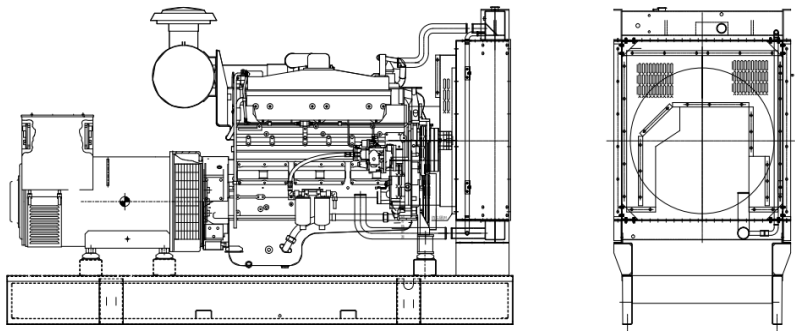
Base load (kW export) functionality

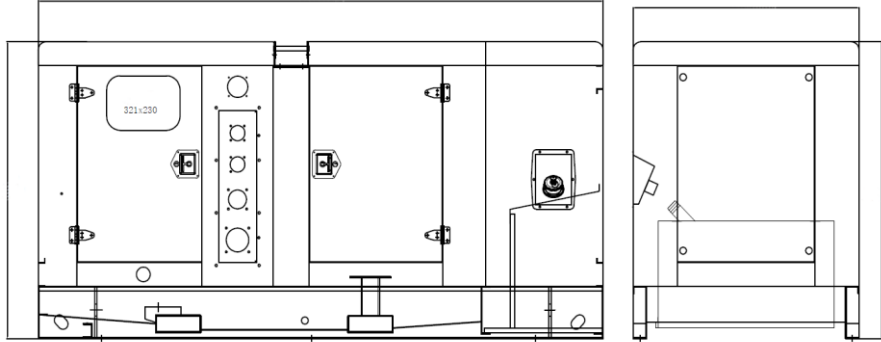


Mains (utility) de-coupling protection
Generator power (kW, kVA) monitoring
Overload (kW & kV Ar) protection
Emergency stop
Start failure
etc...



Unit Dimensions(Basic unit)

		
Open Type		
L*W*H	mm	2840*1180*1820
Weight	kg	2500

		
Silent Type		
L*W*H	mm	4365*1400*2240
Weight	kg	2950

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).