

Cummins Diesel Generator

Prime: 360KW/450KVA

Standby: 400KW/500KVA



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- 500C
Prime power	kva	450
	kw	360
Standby power	kva	500
	kw	400
Rated voltage line to line	V	230/400
Rated current	A	684
Maximun sound level	dB@7m	75

Engine-Cummins

Model	QSZ13-G2/400KW
Aspiration	Four-stroke,water-cooled,in-line,direct injection,turbocharged, charged air cooled

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.

Fuel system		HPCR
No. cylinders		6
Displacement	L	13
Bore*Stroke	mm	130*163
Compression ratio		17: 1
Rated speed	r/min	1500
Governor		ECU
Engine wet weight	kg	1310
Engine idel speed		800-1000
Fire order		1-5-3-6-2-4
Start Motor	V	24

Exhause System

Max exhaust back pressure	kPa	13
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Air intake System

Max inlet pressure (Dirty air)	kPa	6.2
Max inlet pressure (Clean air)	kPa	3.2

Fuel System

110% load(Standby power)	L/h	98.7
100% load(Prime power)	L/h	88.8
75% load(Prime power)	L/h	65.6
50% load(Prime power)	L/h	44.2

Lubrication System

Idle speed oil pressure	kPa	82.7
Governed speed oil pressure	kPa	207-276
Max lube oil flow to all accessories	L/min	7.57
Oil capacity	L	45.42

Cooling System

Coolant capacity--Engine only	L	23.1
Max coolant friction head to engine	Kpa	75
Maximum coolant temperature for engine protection controls	°C	107

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

Leroy Somer

Model		TAL-A473-B/364KW
Phase		3
Voltage	V	230/400
Wiring Type		12 wires
Bearing		1
Power factor		0.8
Frequency	Hz	50
Prime power	KVA	455
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H

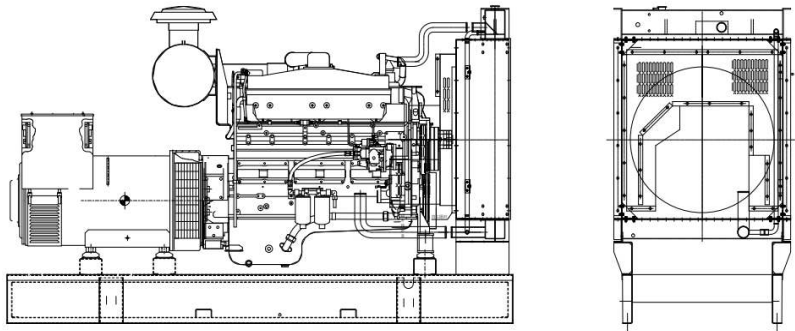
Controller

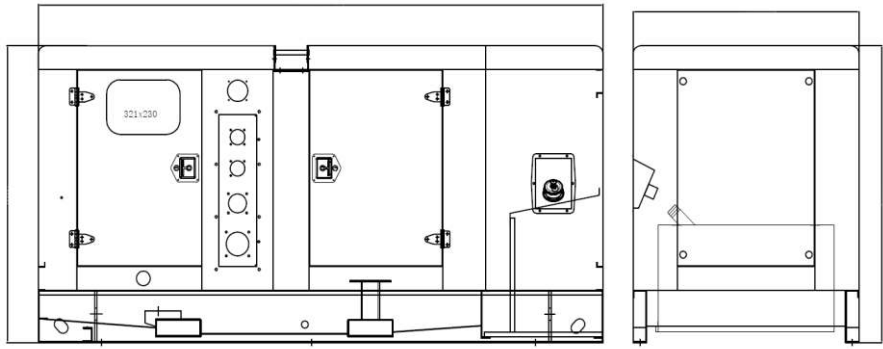
DSE7320

- With RS485 communication port
- 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	3000*1200*1820
Weight	kg	2800

		
Silent Type		
L*W*H	mm	4400*1700*2470
Weight	kg	4850

Warranty

Cummins Engine

12 months from date of purchase or 1000 hours.

Generator

12 months from date of purchase or 1000 hours

(whichever comes first).