

Cummins Generator

Prime: 360KW/450KVA
Standby: 400KW/500KVA

Technical Data

Model		500kva
Prime power	kva	450
	kw	360
Standby power	kva	500
	kw	400
Rated voltage line to line	V	400
Rated current	A	648
Maximun sound level	dB@7m	75

Engine-Cummins

Model	6ZTAA13-G4	
Aspiration	Four-stroke,water-cooled,in-line,direct injection,turbocharged, charged air cooled	
Fuel system	BYC PD/GAC	
No. cylinders	6	
Displacement	L	13
Bore*Stroke	mm	130x163
Compression ratio	17.0:1	
Rated speed	r/min	1500
Governor	Electric system	
Engine wet weight	kg	1265
Engine idel speed	750-850	
Fire order	1-5-3-6-2-4	
Start Motor	V	24

Exhaust 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	103,3
100% load(Prime power)	L/h	98,1
75% load(Prime power)	L/h	70,4
50% load(Prime power)	L/h	46,6
25% load(Prime power)	L/h	26,3
Fuel capacity for silent genset	L	775
Fuel capacity for open genset	L	775

Lubrication System

Idle speed oil pressure	kPa	82,7
Governed speed oil pressure	kPa	276-414
Max Oil temp	°C	121
Oil capacity	L	45,42

Cooling System

Coolant capacity--Engine only	L	23,1
Max coolant friction head to engine	Kpa	35
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	●
Water heater	●

Options

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

Alternator

Model		TAL-A473-B
Alternator Brand		Leroy Somer
Phase		3
Voltage	V	400
Wiring Type		6 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

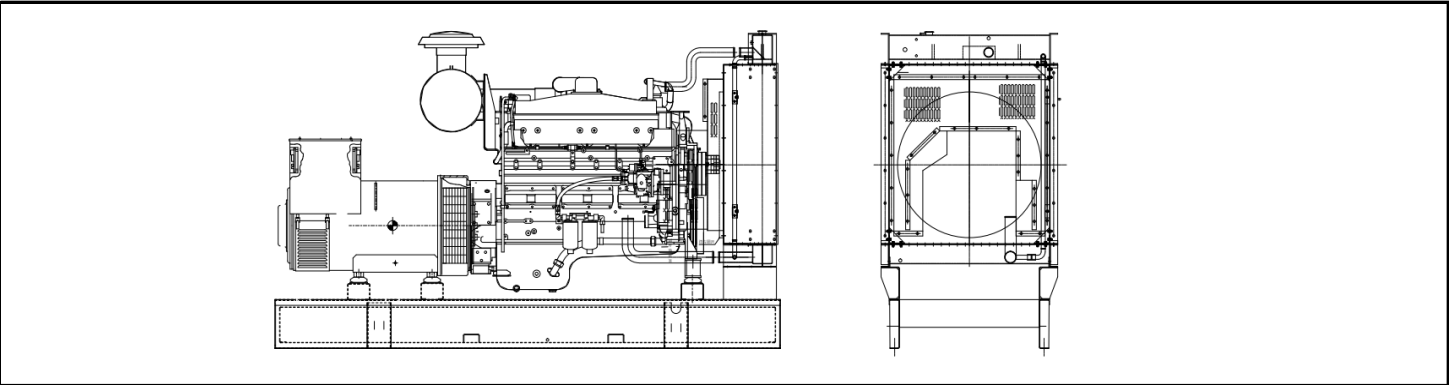
Controller-Deepsea

Model DSE 7320

- 7 digital display
- 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

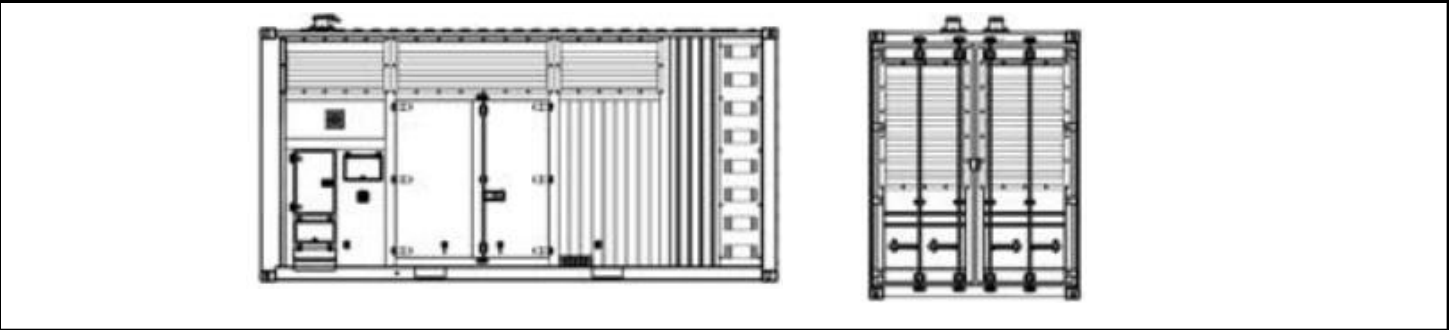


Unit Dimensions(Basic unit)



Open Type

L*W*H	mm	3300x1650x2000
Weight	kg	4200



Silent Type

L*W*H	mm	4250*1600*2400
Weight	kg	4876

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).