

# SCG50S3

## Silent Type

### Powered By Cummins



## CONFIGURATION:

**Standard:** Engine, alternator, cooling system, Base frame, shock absorber, air system, control box, plastic fan blades (when the engine and water tank do not bring).

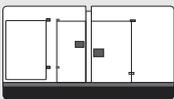
**Optional:** Water jacket heater, oil preheater, anti-condensation heater, fuel water separator, fuel heater, fuel level sensor, water level sensor, automatic fueling system (only supporting base frame including fuel tank).

**Accessories:** Silencer, bellow, exhaust silencing system accessories (with the matching engine), regular battery, data of generators, random tool (with the matching engine).

## FETURES

- >> Powered by Cummins engine with reliable power output
- >> Easy maintenance and operation
- >> High durability of maximum performance
- >> With forklift pockets and lift point for transportation
- >> Suitable for all weather conditions

## Basic Information



Engine		Cummins 4BTA3.9-G2
Alternator		Stamford UCI224D
Controller		Smartgen HGM6120
Prime Power	KVA/KW	50/40
Standby Power	KVA/KW	55/44
Rated Speed	RPM	1500
Rated Frequency	HZ	50
Rated Voltage	V	415/240
Phase		3
Power Factor		0.8
Governer method		Electronic
Rated Current	A	69.6
Fuel Consumption @ 100% Load	L/H	14.5
Dimension	LxWxH mm	2890*1100*1850
Dry Weight	Kg	1750
Fuel Tank Size ( 8H )	L	350
Noise Level @ 7 meters	dBA	72

Note:

- (1) **Prime Power:** Prime power is available for an unlimited number of annual operating hours in variable load applications; in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation, in accordance with ISO3046-1.
- (2) **Standby Power:** Standby power is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.
- (3) The following voltages can be customized on requirement: single phase - 220V/230V/240V; three phase - 380/220V, 400/230V, 415/240V, 440/254V.
- (4) We reserve the right to modify the specifications without prior notice. All ratings are for guidance only, please refer to the final specific generator information from us.

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#### Engine Specification

Model	4BTA3.9-G2
Manufacturer	Cummins
Number of cylinders	4
Cylinder arrangement	In-line
Cycle	Four stroke
Induction system	Turbocharged
Compression ratio	16.5:1
Bore x Stroke	102x120 mm
Displacement L	3.9
Estimated total weight (dry) kg	350
Rated power at 1500rpm KW/HP	50/67
Lubrication oil capacity L	10.9
Coolant capacity L	20.8
Governer method	Electronic
Starting system	Electric
Type of injection model	BYC A Pump
110% Fuel Consumption (prime) L/H	16
100% Fuel Consumption (prime) L/H	14.5
75% Fuel Consumption (prime) L/H	10
50% Fuel Consumption (prime) L/H	6.9
Silence Type	Industrial
Lube Oil brand	15W40-CH4 Upgrade
Cooling System	Water cooled

#### Alternator Specification

Model	UCI224D
Frequency and Speed	50Hz/1500rpm
Manufacturer	Stamford
Prime capacity(kVA)	50
Exciter type	Brushless
Insulation	Class H
Protection	IP23
Rated power factor	0.8
Stator winding	Double layer concentric
Winding pitch	two thirds
Winding leads	12
Maximum over speed	2250Rev/min
THF (Wave Form IEC)	<2%
TIF (Wave Form NEMA)	<50
Voltage regulation	1.00%