

SCG100S3

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).

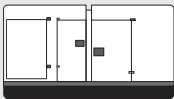
Optional: Water jacket heater, oil preheater, anti-condensation heater, fuel water separator, fuel heater, fuel level sensor, water level sensor, automatic fueling system(only supporting base frame including fuel tank).

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 6BT5.9-G2
Alternator		Stamford UCI274C
Controller		Smartgen HGM6120
Prime Power	KVA/KW	100/80
Standby Power	KVA/KW	110/88
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	139.1
Fuel Consumption @ 100% Load	L/H	22.3
Dimension	LxWxH mm	3300*1100*2050
Dry Weight	Kg	2250
Fuel Tank Size	L	450
Noise Level @ 7 meters	dBA	72

Note:

- (1) **Prime Power:** Prime power is available for an unlimited number of annual opearting 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	6BT5.9-G2
Manufacturer	Cummins
Number of cylinders	6
Cylinder arrangement	In-line
Cycle	Four stroke
Induction system	Turbocharged
Compression ratio	17.3:1
Bore x Stroke	102x120 mm
Displacement L	5.9
Estimated total weight (dry) kg	411
Rated power at 1500rpm KW/HP	86/115
Lubrication oil capacity L	14.2
Coolant capacity L	20.8
Governor method	Electronic
Starting system	Electric
Type of injection model	BYC A pump
110% Fuel Consumption (prime) L/H	25
100% Fuel Consumption (prime) L/H	22.3
75% Fuel Consumption (prime) L/H	17.5
50% Fuel Consumption (prime) L/H	11.3
Silence Type	Industrial
Lube Oil brand	15W40-CH4 Upgrade
Cooling System	Water cooled

Alternator Specification

Model	UCI274C
Frequency and Speed	50Hz/1500rpm
Manufacturer	Stamford
Prime capacity(kVA)	100
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%