

# GENERATOR SOLUTIONS

## STORM SERIES

### YNS50C SPECIFICATIONS

#### 50kVA



Australian Design.  
Powered by 

#### GENERAL

Model	YNS45C
Power Type	Diesel
Prime Power (kW/kVA)	36/45
Standby Power (kW/kVA)	40/50

#### ENGINE

Engine Make and Model	CUMMINS 4BTA3.9G2
Engine Type	Turbocharged, 4 cylinder
Fuel Consumption (L/h)*	9.5
Aspiration	Turbo-charged, Water cooled
Bore (mm) x Stroke (mm)	102 x 120
No. of Cylinders	4
Displacement (L)	3.9
Compression Ratio	17.3:1
Governor Type	Electric
Lubricating Oil Capacity (L)	9.5

\*Fuel Consumption is based on 75% load

#### ALTERNATOR

Model	SLG224E1
Frequency (Hz)	50
Rate Power (kW/kVA)	48/60
Power Factor	0.8
Exciter Type	PMG
Voltage Regulator	AVR
Voltage Regulation	+0.5%
No. of Phases	3
Insulation	Class H
Protection	IP 21
Altitude (m)	1000

#### UNIT

Dimensions L x W x H (m)	2.6 x 1.1 x 1.67
Dry Weight (kg)	1750
Sound at 7m/dB	65

#### STANDARD FEATURES

- 50°C rated radiator
- Powder coated finish
- All moving parts fitted with safety guards
- Emergency E stop
- State of the art control system
- Outlets 2 x 3PH 32amp
- Outlets 2 x 1PH 15amp
- ATS available
- Single phase units available



#### ASSEMBLY

The engine and alternator are closed coupled by means of an SAE flange. A full torsional analysis has been carried out to guarantee no harmful vibration will occur. Anti-vibration pads are affixed between engine alternator feet and base frame. Rubber diagonal isolators are specifically designed to reduce engine and alternator vibration and prevent distortion in the voltage and harmonic output of the generator. All iron and steel surfaces of the canopy fabrication have been sand blasted and then powder coated, which provides an excellent corrosion resistant surface.



#### CONTROL SYSTEM

Automatic stop/start,  
Data measurement, Alarm protection  
and remote control, remote  
measuring and remote  
communication; SG485  
module must be fitted in. LCD  
display and it is easy and reliable to use.



#### QUALITY STANDARDS

Our generator sets are compliant with all the main standards, such as ISO8528, ISO14000, GB755, BS5000, VDE0530, ISO3046, IEC34-1, AS3000.

#### WARRANTY POLICY

12 months, 1200 hours as per generator.  
Generators Australia Pty Ltd Warranty Policy.  
All photos are for marketing purposes only.