

# 100kVA MGM Premium Generator Mark 11



**Prime power: 80kW/100kVA**  
**Standby power: 88kW/110kVA**

**STAMFORD**

- Cummins Engine 6BT5.9G + Stamford Alternator UCI274C (World Class Standard)
- Built in water resistant 3 phase sockets (5 pin, 2 units) + 1 single phase socket. Comes with MCCB and MCB.
- Upgradable with : Automatic Transfer Switch Module (plug and play type for easy installation), Oversight Module, Telegram Switch, Genset Running Light, SMS Power-Cut Notifier

## MAIN SPECIFICATIONS OF GENERATOR SET

Generator Type	Canopy
Length (mm)	2930
Width (mm)	1080
Height (mm)	1650
Weight (kg)	1700
Sound Level @5m	75dB

## MAIN SPECIFICATIONS OF ENGINE

Engine Model	Cummins 6BT5.9-G
Type	Vertical In Line, 6 Stroke, Direct Injection
Number of Cylinders	6
Intake Type	Turbocharged
Bore x Stroke (mm x mm)	102 x 120
Compression Ratio	17.5
Displacement (liter)	5.9
Rated Speed (rpm)	1500
Fuel Consumption (l/h, based on 75% load)	17
Cooling System	Water Cooled
Starting Method	Electric Starting
Steady Regulation (%)	≤4
Exhaust Temperature (°C)	<560

## MAIN SPECIFICATIONS OF ALTERNATOR

Model	Stamford UCI274C
Continuous Output	100kVA
Voltage	240V/415V
Frequency (Hz)	50
Speed (rpm)	1500
Power Factor	0.8
Phase	3 Phase (4 Wires)
Insulation Class	H
Waveform Distortion	No Load <1.5%
Altitude	<1000m. Derating 3% per 500m.

### 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 the base frame.

Rubber diagonal isolators are specially 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 canopy fabrications have been treated for coating by grit blast cleaning

Then covered by a polyester powder paint which provides an excellent corrosion resistance surface

### CONTROL SYSTEM

Uses Deep Sea Electronics: DSE6120