

# 15kVA MGM Premium Generator Mark 12



**Prime power: 12KW/15KVA**  
**Standby power: 13KW/17KVA**

Optional Add-on:

Auto Transfer Switch (ATS)

- Function as Auto Start & Change Over upon mains power failure.

Built In

- 3phase & Single Phase output socket.

Oversight Module:

Control Genset using IOS or Android OS

-Reliable & Excellent Value-

## MAIN SPECIFICATIONS OF GENERATOR SET

Generator Type	Canopy
Length (mm)	1850
Width (mm)	780
Height (mm)	1050
Weight (kg)	650

## MAIN SPECIFICATIONS OF ENGINE

Engine Model	YD4KD
Type	Vertical In Line, 4 Stroke, Direct Injection
Number of Cylinders	4
Intake Type	Natural Aspiration
Bore x Stroke (mm)	85*90
Compression Ratio	18
Displacement (liter)	2.043
Rated Power (kW)	15kW
Rated Speed (rpm)	1500
Fuel Consumption (l/h, based on 100% load)	3.2L/h
Cooling System	Water Cooled
Starting Method	Electric Starting
Net Weight (kg)	550
Lube Oil Consumption (L/h)	≤4
Exhaust Gas Temperature (°C)	<550

## MAIN SPECIFICATIONS OF ALTERNATOR

Model	LK164D
Exciter Type	Brushless, self-excitation
Voltage	230V/400V
Frequency (Hz)	50
Speed (rpm)	1500
Power Factor	0.8
Phase	3 Phase 4 Wire, Y type
Voltage Regulation	~0.5
Insulation Grade	IP23
Altitude	<1000m

\* Standby Power is allowed for 1 hour per 12 hours running

### 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 SmartGen or Deep Sea Electronics



MGM Backup Generator at A Premise



MGM Backup Generator Installation