

# 15kVA MGM Premium Diesel Generator Mark 13



Prime power: 12KW/15KVA

Standby power: 13KW/17KVA

## Reliable and Excellent Value

12<sup>th</sup> Generation of Improvement

Made from High Quality Materials

For House, Construction, Resort and etc.

Genset comes with:

- 3-phase & Single-Phase output socket.
- MCCB with Shunt Trip Coil Function.
- Brass Coated Grounding Rod.
- Anti-Vibration Pads Affixed between Engine Alternator feet and Base Frame.
- Rubber Diagonal Isolators: Reduce Engine and Alternator Vibration and to Prevent Distortion in the Voltage and Harmonic Output of Generator.
- Control System: Uses SmartGen or Deep Sea Electronics.

Optional Add-on:

- Auto Transfer Switch (ATS)
  - o Function as Auto Start & Change Over upon mains power failure.
- Oversight Module
  - o Control Genset using IOS or Android OS.

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.

**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 (litre)	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 \*

## Dr Nirmal Backup Genset for House



## Dusun Rimbun Homestay

