

30kVA MGM Premium Generator Mark 12



Prime power: 24KW/30KVA
Standby power: 26KW/33KVA

Optional Add-On Auto Transfer Switch which can Auto Start And Changeover Upon Mains Power Failure.

Has Built in Sockets. Reliable & Excellent Value.

MAIN SPECIFICATIONS OF GENERATOR SET

| | |
|----------------|--------|
| Generator Type | Canopy |
| Length (mm) | 2120 |
| Width (mm) | 860 |
| Height (mm) | 1200 |
| Weight (kg) | 1050 |

MAIN SPECIFICATIONS OF ENGINE

| | |
|--|--|
| Engine Model | YangDong YD4102D |
| Type | Vertical In Line, 4 Stroke, Direct Injection |
| Number of Cylinders | 4 |
| Intake Type | Natural Aspiration |
| Bore x Stroke (mm) | 102 |
| Compression Ratio | 18 |
| Displacement (liter) | 3.857 |
| Rated Power (kW) | 33kW |
| Rated Speed (rpm) | 1500 |
| Fuel Consumption (l/h, based on 75% load) | 6.8 |
| Cooling System | Water Cooled |
| Starting Method | Electric Starting |
| Net Weight (kg) | 320 |
| Steady Regulation (%) | ≤4 |
| Exhaust Temperature (°C) | <610 |

MAIN SPECIFICATIONS OF ALTERNATOR

| | |
|---------------------|-------------------|
| Continuous Output | 24kW/30kVA |
| Standby Output* | 26.4kW/33kVA |
| Voltage | 240V/415V |
| Frequency (Hz) | 50 |
| Speed (rpm) | 1500 |
| Power Factor | 0.8 |
| Phase | 3 Phase (4 Wires) |
| Winding Leads | 12 |
| Waveform Distortion | No Load <1.5% |
| 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 HGM6120



MGM Backup Generator Mark 9 at A Premise



Automatic Transfer Switch