

| PARAMETERS | | DG MODELS | |
|---|--------------|-------------------------------|-------------------------------|
| Duty (Standby/ Prime) | | Standby | Prime |
| 50 HZ PRIME | Rating(kVA) | 125 kVA | |
| | Rated(kWe) | 100 | |
| | Engine Model | mPower41565G | mPower61565G |
| No of Cylinders | | 4 | 6 |
| Phase / Voltage (V) | | 3 / 415 | 3 / 415 |
| Power Factor | | 0.8 (lagging) | 0.8 (lagging) |
| Current (A) | | 173.7 | 173.7 |
| Governing class | | G2 | G2 |
| Starting system | | 12 V DC Elec | 24 V DC Elec |
| Fuel tank capacity | | 250 | 250 |
| Genset Dimension (LxWxH \$\$\$) (mm) Approx. | | 3500 x 1230 x 1425 | |
| Genset Weight (kg) approx. | | 1650 | 1855 |
| Rated Speed RPM | | 50/1500 | 50/1500 |
| Engine Specification | | | |
| Make / Series | | Mahindra mpower | |
| Power Output# (HP) | | 156 | |
| Aspiration | | Turbocharged Aftercooled | |
| Bore x Stroke (mm) | | 105 x 137 | |
| Displacement (Lit) | | 4800 | 7200 |
| Fuel consumption @ 75% load (lit/hr) ^ | | 21.4 | 21.4 |
| Fuel consumption @ 100% load (lit/hr) ^ | | 28 | 28 |
| Lube oil specification | | SAE 15W40CI4+ | |
| Total lubrication system capacity (lit) | | 13.5 | 20.2 |
| Lube Oil Consumption (lit/hr) \$ | | < 0.1% of Fuel Consumption | < 0.1% of Fuel Consumption |
| Lube oil change period (hrs.) | | 500 | 500 |
| Radiator coolant capacity (liter) | | 19 | 22.5 |
| Alternator | | | |
| Make | | CG/LS/Stamford/Equivalent | |
| Enclosure Type | | IP23 | |
| Voltage regulation | | ±1% | |
| Class of insulation | | Class H | |
| Maximum Unbalanced Load across Phases | | 25% | |

All Specifications are at Standard NTP operating conditions

^ Considering 0.845 Specific Gravity of diesel, +5 % Tolerance

Engine Power at 110 % load

Fuel -High Speed diesel (HSD IS 1460:2005)

* Represent the Standby Ratings

\$ Considering 0.89 Specific Gravity of Oil

Engine Power will have ± 5 % Tolerance

** For CG only 3 Phase Configuration available

\$\$Height Without Silencer