

## TECHNICAL SPECIFICATIONS

| Genset Rating (kVA)                                  | 82.5               | 125                |
|------------------------------------------------------|--------------------|--------------------|
| DG Model                                             | M82.5DR            | M125DR             |
| Power Rating (kWe)                                   | 66                 | 100                |
| No. of Phases                                        | 3                  | 3                  |
| Output Voltage (V)                                   | 415                | 415                |
| Power Factor (lagging)                               | 0.8                | 0.8                |
| Current (A) (3Phase)                                 | 114.8              | 174                |
| Frequency (Hz)/ RPM                                  | 50/1500            | 50/1500            |
| Governing Class                                      | G3                 | G3                 |
| Starting System (volt)                               | 12 V DC electrical | 12                 |
| Fuel Tank Capacity (lit)                             | 169                | 250                |
| Genset Weight Dry                                    | 1630               | 2020               |
| Genset Dimension (LxWxH) (mm)                        | 3190X 1225 X 1575  | 3700 X 1350 X 1550 |
| Controller Model                                     | GC 1115            | GC 1115            |
| Engine Specifications                                |                    |                    |
| Make                                                 | Mahindra           | Mahindra           |
| Model                                                | V4355G4            | H4485G1            |
| Fuel system                                          | Electronic         | Electronic         |
| Rated Power Output (Hp)                              | 101.3              | 156                |
| Compression Ratio                                    | 17.2:1             | 17.2:1             |
| Aspiration                                           | TCIC               | TCIC               |
| No. of Cylinders                                     | 4                  | 4                  |
| Bore x Stroke (mm)                                   | 96 x 122           | 105 X 137          |
| Displacement (Ltr)                                   | 3.5                | 4.7                |
| Lube Oil Specification                               | SAE 15W40 CI4+     | SAE 15W40 CI4+     |
| Total Lube Oil capacity (lit)                        | 11.5               | 13.5               |
| Lube Oil Change Period (hrs.)                        | 500Hrs             | 500Hrs             |
| System (Engine & radiator)<br>Coolant Capacity (lit) | 22.5               | 19                 |
| DEF Capacity (Lit)                                   | 26                 | 35                 |
| Alternator Specifications                            |                    |                    |
| Make                                                 | CG/LS/Equivalent   | CG/LS/Equivalent   |
| Enclosure Type                                       | IP23               | IP23               |
| Voltage Regulation                                   | +/- 1%             | +/- 1%             |
| Class of Insulation                                  | H                  | H                  |
| Maximum Unbalanced load across Phases                | 25%                | 25%                |
| Total Harmonic distortion                            | AT NO LOAD <2.5%   | AT NO LOAD <2.5%   |

All Specifications are at Standard NTP operating conditions

• # Engine Power at 100 % load • \* Represents the Standby Ratings • Standard warranty of 2 Years/5000 Hours, 5 Years 5C warranty

Disclaimer: Technical data and specifications are subject to change without notice.