

# EAGENSET

## ALTERNATOR SPECIFICATIONS

|  |  |
|--|--|
| Alternator brand                             | Megatron   |
| Type   | Brushless, revolving field                             |
| Frequency                                    | 50 Hz  |
| Winding pitch                                | 2/3 pitch  |
| Number of bearing                            | Single bearing   |
| Protection                                   | IP23   |
| Insulation system                            | Class H  |
| Standard temperature rise                    | Standart 125°C ,Stand by 163°C                         |
| Exciter type                                 | Self - excitation or other excitation by PMG           |
| Phase rotation                               | A (U), B (V), C (W)                                    |
| Alternator cooling                           | Direct drive centrifugal blower fan                    |
| AC waveform total harmonic distortion (THDV) | No load <1.5%. Non distorting balanced linear load <5% |

## DIMENSIONS AND WEIGHTS

Open type: Dry Weight (kg): 3500  
Length(mm) Width (mm) Height (mm):4100x1650x2300 Tank Capacity (L): 1100

Canopy type: Dry Weight (kg): 4700  
Length(mm) Width (mm) Height (mm):4700x1650x3000 Tank Capacity (L): 1100

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.

## EAO-650 DIESEL GENERATOR SET

**Stand by Rating (ESP):** It is the way that generators operate under variable load at certaintime intervals. It can work as a backup power. It is not suitable to work under extreme load.

**Prime Rating (PRP):** Applicable for supplying power to varying electrical load for unlimited hours. 10 % overload capability is available for a period of operation

## OUTPUT RATINGS

|                 |            |
|-----------------|------------|
| Genset Model    | EAO-650    |
| Engine Model    | OPE 26.6K1 |
| Prime rating    | 492 kVA    |
| Stand by rating | 565 kVA    |
| Max. kVA rating | 650 kVA    |

## ENGINE SPECIFICATIONS

|                       |                         |
|-----------------------|-------------------------|
| Engine brand          | Optimus Engine          |
| Aspiration Type       | Turbocharged            |
| Engine Rated Speed    | 1500 rpm                |
| Bore                  | 135 mm                  |
| Stroke                | 168 mm                  |
| Displacement          | 15,1 L                  |
| Cylinder block        | 12 cylinder, vertical   |
| Oil Capacity          | 30 L                    |
| Coolant capacity      | 80 L                    |
| Starting voltage      | 24 V                    |
| Fuel system           | Direct injection        |
| Fuel filter           | Strata pore fuel filter |
| Air cleaner type      | Heavy duty air cleaner  |
| Compression ratio     | 16:1                    |
| Cycle                 | 4 stroke                |
| Cooling system        | Water cooled            |
| Governor Type         | Mechanical              |
| Fuel Consumption 50%  | 61 L/hr                 |
| Fuel Consumption 75%  | 93 L/hr                 |
| Fuel Consumption 100% | 84 L/hr                 |
| FuelConsumption 110%  | 61 L/hr                 |



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