

# 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): 1050  
Length(mm) Width (mm) Height (mm): 2500x1000x1800 Tank Capacity (L): 184,8

Canopy type: Dry Weight (kg): 1280  
Length(mm) Width (mm) Height (mm): 2500x1000x1900 Tank Capacity (L): 184,8

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

## EAO-100 DIESEL GENERATOR SET

**Stand by Rating (ESP):** It is the way that generators operate under variable load at certain time 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-100
Engine Model	OPE 4.3 TWE-3
Prime rating	76 kVA
Stand by rating	87 kVA
Max. kVA rating	100 kVA

## ENGINE SPECIFICATIONS

Engine brand	Optimus Engine
Aspiration Type	Turbocharged
Engine Rated Speed	1500 rpm
Bore	105 mm
Stroke	130 mm
Displacement	4.5 L
Cylinder block	4 cylinder, vertical
Oil Capacity	13 L
Coolant capacity	20 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%	9,5 L/hr
Fuel Consumption 75%	15,0 L/hr
Fuel Consumption 100%	19,0 L/hr
Fuel Consumption 110%	21,5 L/hr



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