

# 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): 2700  
Length(mm) Width (mm) Height (mm):3000x1200x2100 Tank Capacity (L): 320

Canopy type: Dry Weight (kg): 3000  
Length(mm) Width (mm) Height (mm):3500x1200x2500 Tank Capacity (L): 320

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

## EAO-425 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-425
Engine Model	OPE 9.8 TWE-1
Prime rating	321 kVA
Stand by rating	369 kVA
Max. kVA rating	425 kVA

## ENGINE SPECIFICATIONS

Engine brand	Optimus Engine
Aspiration Type	Turbocharged
Engine Rated Speed	1500 rpm
Bore	135 mm
Stroke	150 mm
Displacement	12.88 L
Cylinder block	6 cylinder, vertical
Oil Capacity	33 L
Coolant capacity	46 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%	44 L/hr
Fuel Consumption 75%	66 L/hr
Fuel Consumption 100%	89 L/hr
Fuel Consumption 110%	98 L/hr



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