

TECHNOLOGY MEETS EFFICIENCY

Mahindra Powerol Diesel Gensets

Presenting
**400, 500,
625 kVA**
Genset



Powered by

Perkins

Diesel Power

Features & Benefits

- Advanced electronic control with carefully matched turbocharger for high fuel efficiency.
- Faster response time to transient load.
- Genset designed to operate in extreme climatic conditions without any external aid
- Optimized design for less footprint and noise
- Equipped with **DIGI SENSE** technology making it a Smart DG set



Technical Specifications:

Genset Specification			
Genset Prime Rating (kVA)*	400	500	625
Genset Prime Rating (KW)	320	400	500
Phase / Voltage [V]	3 / 415		
Power Factor	0.8 (lagging)		
Current [A]	556	695	869
Frequency (Hz & RPM)	50/1500		
Governing class	G2 as per ISO 8528 Part V	G2 as per ISO 8528 Part V	G2 as per ISO 8528 Part V
Starting system	24 V DC Electrical		
Fuel tank capacity (lit)	900		
Genset dimensions w/o silencer (mm) [L x W x H] approx.	5950 x 2000 x 2350		
Genset Weight (kg) approx.	5950	6500	7500
Engine Specification			
Make / Series	Perkins		
Engine Model	2206D-E13TAG3	2506D-E15TAG2	2806D-E18TAG 1A
Rated Power at 100% Load @ 1500 RPM [kW]	367	453	540
Aspiration	Turbo Charged After Cooled		
No. of cylinders	6		
Bore x Stroke (mm)	130*157	137*171	145*183
Displacement (lit)	12.5	15.2	18.1
Fuel consumption @ 75% load (lit/hr) ^	69	82	99
Fuel consumption @ 100% load (lit/hr) ^	90	106	128
Total lubrication system capacity (lit)	40	62	71
Lube oil consumption @ 100% load ^{\$}	0.10% of Fuel Consumption		
Lube oil change period (hrs.)		500	
Radiator coolant capacity (lit)	51.4	62	55.6
Alternator Specification			
Enclosure Type	IP23		
Voltage regulation	±1%		
Class of insulation	Class H		
Maximum Unbalanced Load across Phases	25%		

Above specifications are subject to change without prior notice due to continuous product improvements. All engines & alternators confirm to respective IS standards. All the genset specifications are as per ISO 8528 standard. Fuel - High Speed Diesel (HSD IS 1460:2005). ^ Considering 0.845 specific gravity of diesel 5% tolerance. \$ Considering 0.89 specific gravity of oil. * For Standby duty, contact Powerol authorized representative. All specifications are at standard NTP operating conditions. All the above gensets conform to the latest CPCB norms of <75 dbA