

INTRODUCING THE ALL NEW 285 kVA & 315 kVA GAS GENSETS



Benefits of Mahindra Powerol Gas Genset



**Low
operating cost**



**Zero
fuel handling**



**Low
noise level**



**Environment
friendly**



**Zero
pilferage**

285kVA & 315kVA GAS GENSETS

ABOUT POWEROL

In 2001, Mahindra and Mahindra entered into the field of power generation through its engines under the brand name Mahindra Powerol that are propelling Diesel Generating Sets from 5kVA to 625kVA. Mahindra Powerol, known for its fuel efficiency and quick customer response is trusted by telecom & retail customers.

Within short span of time, Mahindra Powerol has garnered immense customer trust which shows its level of commitment and customer centric approach. Presently, its more than 400,000 gensets are powering different industries and applications in Indian and overseas market. Mahindra Powerol through its technology & service has taken a deep stride in the engine and genset industry. In a little over a decade, it has also expanded its footprint in South East Asia, Middle East and Africa.

GAS POWER SOLUTIONS

Mahindra Powerol, with its core engineering strengths & commitment to contribute towards a cleaner environment, has developed gas-powered gensets ranging from 10.5kVA to 315kVA complying with CPCB norms.

LOWEST OPERATING COST



* Actual saving depends on present market prices of HSD and NG

WORLD CLASS ENGINES

These technologically advanced engines come with the highest block loading capacity and produce zero particulate matter with the lowest carbon emissions. The engines are designed to ensure reliability, durability with unmatched performance. It not only offers the lowest maintenance cost but also gives high efficiency with lower fuel consumption. Self-diagnostics provide ease of operation & on-site maintenance.

No Particulate Matter



No SOX Emission

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CONTROL PANEL

- Inbuilt Control panel manufactured with 2 mm CRCA sheet
- MCCB of suitable rating with overload and short circuit protections
- Display of all parameters from outside thru glass door
- MCCB of suitable rating with necessary protections

ADVANCED CONTROLLER

- Powerzone controller with 4.3 Inch HMI Touchscreen colour display with inbuilt Bluetooth & WiFi and LAN Communication
- Synchronisation suitable, Inbuilt governor with Operator interface
- On board manual, Data logging and event recording
- Suitable for LAN and remote communication via Modbus
- Pre event history etc
- Configurable I/O and PLC

TECHNICAL SPECIFICATIONS

Genset Rating (kVA)	285	315
Duty (Standby/ Prime)	Prime	Standby
Power Rating @ 100% kWe (in KW)	228	252
No. of Phases	3 Ph	
Output Voltage (V)	415	
Power Factor (lagging)	0.8	
Current (A)	396.4	438.2
Frequency (Hz) & RPM	50/1500	
Governing Class	G2 as per ISO 8528 part 5	
Genset dimensions (L x W x H) in mm	5225 X 1700 X 3248 (inside Silencer)	
Genset weight (kg)	6500	
Engine Specification		
Make	Generac	Generac
Model	G14.2 L	G14.2 L
Rated Power at 100%Load (HP)	370	
Aspiration	Turbocharged, Aftercool	
No. of cylinders	6	6
Bore x Stroke (mm)	135 X 165	135 X 165
Displacement (cc)	14.2	14.2
Fuel consumption @ 75% load (kg/hr) **	33.9	41
Fuel consumption @ 100% load (kg/hr)**	42.8	54.3
Starting system	24 V DC Electric	
Lube oil specification	API CG4 15W40	
Total lubrication system capacity (Ltr)	34.4	
Lube oil consumption @ full load (%)	0.062	0.062
Lube oil change period (hrs.)	500	500
Radiator coolant capacity (Ltr)	55	
Alternator		
Make	LS	
Enclosure Type	IP 23	
Voltage regulation	(+)-1%	
Class of insulation	Class H	
Maximum Unbalanced Load across Phases (%)	25	

Above specifications are subject to change without notice due to continuous technical developments.

* A tolerance value of +5% will be applicable on declared power values

** A tolerance of +5% shall be applicable on fuel consumption values on account of product to product variation due to engine & + 3% of tolerance due to alternator product to product variation

Gas Density : 0.667 Kg/m³ (at NTP)

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ACOUSTIC ENCLOSURE

- Canopy is designed to meet MoEF/ CPCB norms of 75 dBA @ 1mtr at 75% load under free field conditions
- Compact Size with ease of access and serviceability
- Insulation material used PU Foam with high quality noise absorbent
- Pretreatment process and UV resistant powder coating of all parts to withstand extreme environment
- Illumination arrangement inside canopy
- Parts processed on CNC machines for consistency in quality and workmanship

SEGMENTS



HEALTHCARE



DATA CENTERS



CNG FILLING STATION



PUBLIC INFRASTRUCTURE



COMMERCIAL BUILDINGS



FACTORY & INDUSTRY



TELECOMMUNICATIONS



RESIDENTIAL BUILDINGS



TRANSPORTATION
INFRASTRUCTURE

PEACE OF MIND SERVICE

Powerol sales & service touch points are available across the length & breadth of our country to provide Installation, Commissioning and after sales support. Over 2000 trained technicians are available at these centres for providing doorstep service. All the outlets are well equipped with the necessary spares. So wherever you are, we are always near to you.

SUPPORT IS JUST A CALL AWAY

Our customer care centre is equipped with the latest software for monitoring & time bound escalation till closure of the complaints. To make it simpler for our customers, a common Toll free no. is available for both sales and service support.

powerol
by Mahindra

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