

25 kVA / 125 kVA Gas Genset

OVERVIEW

Mahindra with its core engineering strengths and its commitment to contribute towards cleaner environment, has developed India's first ever gas powered genset compliant to CPCB norms.

BENIFITS OF GAS GENSET

- Low operating cost
- Zero Fuel Handling
- Low noise level
- Environment friendly
- Zero pilferage

TECHNICAL SPECIFICATIONS

PARAMETERS		DG MODELS
Genset Rating (kVA)	25	125
Duty (Standby/ Prime)	Prime	Prime
Power Rating @ 100% kWe (in KW)	20	100
No. of Phases	1 Ph / 3 Ph	3 phase
Output Voltage (V)	230 / 415	415V
Power Factor (lagging)	0.8	0.8
Current (A)	108.7 / 34.8	174
Frequency (Hz) & RPM	50/1500	50/1500
Governing Class	G2 as per ISO 8528 part 5	G2 as per ISO 8528 part 5
Genset dimensions (L x W x H) in mm	2300 x 1030 x 1637	3750 x 1300 x 1700
Genset weight (kg)	895	2250
Engine Specification		
Make	Mahindra	Mahindra
Model	mGreen4335NG	mPower61565GC
Rated Power at 100%Load HP	36.4	156
Aspiration	Naturally aspirated	TCI
No. of cylinders	4	6
Bore x Stroke (mm)	88.9 x 101.6	105 x 137
Displacement (Lit)	2523	7118
Fuel consumption @ 75% load	4.7	20

(kg/hr) **		
Fuel consumption @ 100% load (kg/hr)**	5.5	25
Starting system	12 V DC Electrical	24 V DC Electrical
Lube oil specification	Maximile CNG Plus	Maximile CNG Plus
Total lubrication system capacity	7	20.2 Ltr
Lube oil consumption @ full load\$	0.15% of FC	0.15% of FC
Lube oil change period (hrs.)	1000	500
Radiator coolant capacity (liter)	9.5	24
Alternator		
Make	CG / LS	CG / LS
Enclosure Type	IP 23	IP 23
Voltage regulation	+/- 1% with 4% engine Governing	+/- 1% with 4% engine Governing
Class of insulation	Class H	Class H
Maximum Unbalanced Load across Phases	25%	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