

TECHNICAL SPECIFICATIONS

PARAMETERS	DG MODELS
Duty (Standby/ Prime)	Prime
Rating(kVA) 50 HZ PRIME	75 kVA
Rated(kWe)50 HZ PRIME	60
Engine Model 50 HZ PRIME	41035 GM-C2
No of Cylinders	4
Phase / Voltage (V)	3 / 415
Power Factor	0.8 (lagging)
Current (A)	104.4
Governing class	G2
Starting system	12 V DC Elec
Fuel tank capacity	180
Genset Dimension (LxWxH \$\$\$) (mm) Approx.	3000 X 1150 X 2135
Genset Weight (kg) approx.	1350
Rated Speed RPM	50/1500
ENGINE SPECIFICATION	
Make / Series	Mahindra
Power Output# (HP)	103
Aspiration	Turbocharged Intercooled
Bore x Stroke (mm)	96 x 122
Displacement (Lit)	3532
Fuel consumption @ 75% load (lit/hr) ^	13.5
Fuel consumption @ 100% load (lit/hr) ^	17.8
Lube oil specification	SAE15W40 CI4
Total lubrication system capacity (lit)	10
Lube Oil Consumption (lit/hr) \$	0.1% of Fuel Consumption
Lube oil change period (hrs.)	300 hrs. for Oil Top Up 600 hrs. for Oil change
Radiator coolant capacity (liter)	19
ALTERNATOR	
Make	CG/LS
Enclosure Type	IP23
Voltage regulation	+/- 1%
Class of insulation	Class H
Maximum Unbalanced Load across Phases	25%

All Specifications are at Standard NTP operating conditions

^ Considering 0.845 Specific Gravity of diesel, +5 % Tolerance

Engine Power at 110 % load

Fuel -High Speed diesel (HSD IS 1460:2005)

* Represent the Standby Ratings

\$ Considering 0.89 Specific Gravity of Oil

Engine Power will have ± 5 % Tolerance

** For CG only 3 Phase Configuration available

\$\$\$Height Without Silencer