

PARAMETERS		DG MODELS
Duty (Standby/ Prime)		Prime
50 HZ PRIME	Rating(kVA)	82.5 kVA
	Rated(kWe)	66
	Engine Model	41125A GM-C2
No of Cylinders		4
Phase / Voltage (V)		3 / 415
Power Factor		0.8 (lagging)
Current (A)		114.8
Governing class		G2
Starting system		12 V DC Elec
Fuel tank capacity		160
Genset Dimension (LxWxH \$\$) (mm) Approx.		2950 X 1075 X 1575
Genset Weight (kg) approx.		1500
Rated Speed RPM		50/1500
Engine Specification		
Make / Series		Mahindra
Power Output# (HP)		111.5
Aspiration		Turbocharged Intercooled
Bore x Stroke (mm)		96 x 132
Displacement (Lit)		3882
Fuel consumption @ 75% load (lit/hr) ^		13.5
Fuel consumption @ 100% load (lit/hr) ^		18.1
Lube oil specification		SAE15W40 CI4
Total lubrication system capacity (lit)		13.5
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**