

PARAMETERS		DG MODELS
Duty (Standby/ Prime)		Prime
50 HZ PRIME	Rating(kVA)	10 kVA
	Rated(kWe)	8
	Engine Model	2185GM-C2
No of Cylinders		2
No of Phases		1/3
Output Voltage (V)		230/415
Power Factor (lagging)		0.8
Current (A) (1Phase / 3Phase)		43.5/13.9
Frequency (Hz)/ RPM		50/1500
Governing class		A1
Starting system		12 V DC electrical
Fuel tank capacity		55
Genset Dimension (LxWxH \$\$) (mm) Approx.		1700 X 900 X 1250
Genset Weight (Kg), Appx		633
<b>Engine Specification</b>		
Make / Series		Mahindra mPower
Power Output# (HP)		18
Aspiration		Naturally Aspirated
Bore x Stroke (mm)		88.9 x 110
Displacement (Lit)		1366
Fuel consumption @ 75% load (lit/hr) ^		2.4
Fuel consumption @ 100% load (lit/hr) ^		2.9
Lube oil specification		SAE15W40 CH4
Total lubrication system capacity (lit)		6
Lube Oil Consumption (lit/hr) \$		0.15% of Fuel Consumption
Lube oil change period (hrs.)		300 hrs. for Oil Top Up 600 hrs. for Oil change
Radiator coolant capacity (liter)		5.5
<b>Alternator</b>		
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  $\pm 5$  % Tolerance

\*\* For CG only 3 Phase Configuration available

\$\$Height Without Silencer