

PARAMETERS		DG MODELS
Duty (Standby/ Prime)		Prime
50 HZ PRIME	Rating(kVA)	22.5 kVA
	Rated(kWe)	18
	Engine Model	3335 TCGM-C2
No of Phases		1/3
Output Voltage (V)		230/415
Power Factor (lagging)		0.8
Current (A) (1Phase / 3Phase)		97.8 / 31.3
Frequency (Hz)/ RPM		50/1500
Governing class		A1
Starting system		24 V DC Elec
Fuel tank capacity		75
Genset Dimension (LxWxH \$\$) (mm) Approx.		1875 X 900 X 1287
Genset Weight (kg) approx.		786
<b>Engine Specification</b>		
Make / Series		Mahindra mPower
Power Output# (HP)		33
Aspiration		Turbocharged
Bore x Stroke (mm)		88.9 X 101.6
Displacement (Lit)		1892
Fuel consumption @ 75% load (lit/hr) ^		4.3
Fuel consumption @ 100% load (lit/hr) ^		5.7
Lube oil specification		SAE15W40 CI4
Total lubrication system capacity (lit)		7
Lube oil consumption @ 100% load (\$)		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