

TECHNICAL SPECIFICATIONS

PARAMETERS	DG MODELS
Duty (Standby/ Prime)	Stand By
Rating(kVA) 50 HZ PRIME	20 kVA
Rated(kWe)50 HZ PRIME	16
Engine Model 50 HZ PRIME	3285 GM-C2
No of Phases	1/3
Output Voltage (V)	230/415
Power Factor (lagging)	0.8
Current (A) (1Phase / 3Phase)	87/27.8
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.	746
ENGINE SPECIFICATION	
Make / Series	Mahindra mPower
Power Output# (HP)	28
Aspiration	Naturally Aspirated
Bore x Stroke (mm)	88.9 x 110
Displacement (Lit)	2048
Fuel consumption @ 75% load (lit/hr) ^	2.4
Fuel consumption @ 75% load (lit/hr) ^	3.6
Fuel consumption @ 100% load (lit/hr) ^	4.8
Lube oil specification	SAE15W40 CH4
Total lubrication system capacity (lit)	6.5
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
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 \pm 5 % Tolerance

** For CG only 3 Phase Configuration available

\$\$\$Height Without Silencer