

## TECHNICAL SPECIFICATIONS

75 kVA / 82.5 kVA / 100 kVA / 125 kVA

PARAMETERS		DG MODELS				
50 HZ PRIME	Rating(kVA)	75 kVA	82.5 kVA		100 kVA	125 kVA
	Rated(kWe)	60	60	66	80	100
	Engine Model	41035GM-C2	41035GM-C2 Standby	mPower41015G	mPower41265G	mPower61565G
No of Cylinders		4	4	4	4	6
Phase / Voltage (V)		-	3 / 415			
Power Factor		-	0.8 (lagging)			
Current (A)		-	-	115	139	174
Frequency (Hz)& RPM		-	50/1500			
Governing class		-	G2 as per ISO 8528 Part V			
Starting system		-	12 V DC Elec		24 V DC Elec	
Fuel tank capacity		-	200		200	219
Canopy dimensions w/o silencer (mm) (L x W x H) approx.		-	3200 x 1200 x 1600		3200 x 1200 x 1600	3750 x 1030 x 1550
Genset Weight (kg) approx.		-	1700		1750	1900
Rated Speed RPM		1500				
Engine Specification						
Make / Series				Mahindra mPower		
Rated Power at 100% Load @ 1500 RPM (HP)		68.9 (93.6)	74.5 (101.2)	101	126	156
Aspiration				Turbocharged Aftercooled		
Bore x Stroke (mm)		-		105 x 137	105 x 137	105 x 137
Displacement (Lit)		-		4.8	4.8	7.2
Fuel consumption @ 75% load (lit/hr) ^		-		13.9	17.3	21.4
Fuel consumption @ 100% load (lit/hr) ^		-		18.1	23.1	28
Lube oil specification		-		15W40 API CI4+		
Total lubrication system capacity (lit)		-		13.5	13.5	20.2
Lube oil consumption @ 100% load (\$)		-		0.1% of Fuel Consumption		
Lube oil change period (hrs.)		-		500		
Radiator coolant capacity (liter)		-		19	19	22.5
Rated Current(AMP)	1 Phase	NA				
	3 Phase	104.3	-	115	139	173.9

Capacity @ 0.8PF						
Door Type		DD	DD	DD	DD	-
Dimension	Length	3000	-	3200	3200	-
	Width	1150	-	1300	1300	-
	Height	2135	-	2290	2290	-
Intergrated Fuel Tank Capacity (lits)		230	-	200	200	219
Approximate Weight of DG set (Kg)		1350	-	1700	1720	1866
Centre lifting DG set dimensions with top hood, if any (mm)	Length	2800	-	3200	3200	3750
	Width	1150	-	1300	1300	1030
	Height	1640	-	1700	1700	1533
<b>Alternator</b>						
Enclosure Type	IP23					
Voltage regulation	±1%					
Class of insulation	Class H					
Maximum Unbalanced Load across Phases	25%					

SL = Side Lifting

CL = Center Lifting

SD = Single Door

DD = Double Door

For continuous improvement company reserves the right to change technical data without prior information