

## TECHNICAL SPECIFICATIONS

160 kVA / 180 kVA / 200 kVA

PARAMETERS		DG MODELS		
Parameters		DG Model		
50 Hz Prime	Rating(kVA)	160	180	200
	Rated (KWe)	128	144	160
	Engine Model	mPower61995G	mPower62235G	mPower62485G
No of Cylinders		6	6	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		24 V DC Elec		
Fuel tank capacity		300	300	400
Canopy dimensions w/o silencer (mm) (L x W x H) approx.		3750 x 1300 x 1800	4500 x 1400 x 1800	4500 x 1400 x 1800
Genset Weight (kg) approx.		2350	2750	2800
Engine Specification				
Make / Series		Mahindra mPower		
Rated Power at 100% Load @ 1500 RPM (HP)		199	223	248
Aspiration		Turbocharged Aftercooled		
Bore x Stroke (mm)		105 x 137	105 x 137	105 x 137
Displacement (Lit)		7.2	7.2	7.2
Fuel consumption @ 75% load (lit/hr) ^		27.8	28.7	33.3
Fuel consumption @ 100% load (lit/hr) ^		36.7	38.2	40.8
Lube oil specification		15W40 API CI4+		
Total lubrication system capacity (lit)		20.2	20.2	20.2
Lube oil consumption @ 100% load (\$)		0.1% of Fuel Consumption		
Lube oil change period (hrs.)		500		
Radiator coolant capacity (liter)		25	24	24
Rated Speed(RPM)		1500		

Rated Engine Power KW (HP)		146.5	163	180
		199	221.5	244.6
Rated Current(AMP) Capacity @ 0.8PF	1 Phase	NA		
	3 Phase	222.6	250.4	278.2
Cooling System		Water Cooled		
Door Type		DD	DD	DD
Dimension	Length	3790	4500	4500
	Width	1300	1500	1500
	Height	1877	1878	1878
Intergrated Fuel Tank Capacity (lits)		250	390	390
Approximate Weight of DG set (Kg)		2350	2750	2800
Centre lifting DG set dimensions with top hood, if any (mm)	Length	3750	-	-
	Width	1300	-	-
	Height	1700	-	-
<b>Alternator</b>				
Enclosure Type		IP23		
Voltage regulation		±1%		
Class of insulation		Class H		
Maximum Unbalanced Load across Phases		25%		



Zero Maintenance For 5 Years With The Powerol Super Shield Plan