

Sr. No.	Genset Rated →	5kVA - Mech
A	Genset specification ↓	
1	Genset rating	Prime
2	Genset output (kVA/kWe)	5 / 4
3	Genset model	GPA-PIV- 5M
4	Gross engine Power (kWm)	6.1
5	Gross engine Power (HP)	8.3
6	Engine model	LDA 510 1B1
7	Aspiration / Cooling	Air cooled
8	No. of Cylinders / Arrangement	1
9	Displacement (L)	0.51
10	Bore x Stroke (mm)	85 X 90
11	Compression ratio	18.1
12	Rated RPM	3000
13	Overspeed trip (RPM)	3300
14	Governor type / DG Performance Class	Mech / G2
15	Frequency Regulation	-
16	Air cleaner type / Qty	Oil Bath / 01
B	Exhaust system	
1	Max allowable backpressure before After-treatment (kPa)	5
2	Max allowable backpressure post After-treatment (kPa)	5
3	Exhaust temperature (Deg C)	550
4	Silencer type	Residential
5	Aftertreatment System	DOC
C	Engine electrical system	
1	Charging alternator VDC / Amps	NA
2	Starter motor rated voltage (DC)	12
3	Battery voltage (DC) / Capacity (AH)	12V / 35 AH
D	Fuel System	
1	Recommended fuel	IS 1460, HSD
2	Fuel tank capacity (L)	15
E	Fuel Consumption @ % load (LPH)(Including radiator fan + other accessories)⁽¹⁾	
1	LPH @ 100%	1.50
2	LPH @ 75%	1.10
F	Lubricating Oil System	
1	Lube oil sump capacity (L)	1.25
2	Lube oil change period (Hrs)	300
3	Lube oil consumption (% of SFC)	≤0.1%
4	Lube oil filter type / Qty	Spin on / 01
5	Recommended lube oil grade	15W40, API CI4+
6	Recommended lube oil	Greaves Maxtherm

GREAVES COTTON LIMITED

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Tel: +91 22 41711700 CIN: L99999MH1922PLC000987

G	Alternator Specification	
1	Alternator Make	NSM
2	Voltage (1P/3P)	230 / 415
3	Frequency (Hz)	50
4	Current (1P/3P) (Amps)	21.79 / 6.96
5	Type	2P, rotating field
6	Voltage regulator	Automatic
7	Voltage regulation -%	±5%
8	Insulation class	H
9	Temperature rise (Deg C)	125
10	Bearing (Qty / type)	1, sealed
11	Coupling	Conical Shaft
12	Unbalanced load capability	-
H	Cooling System	
1	Max ambient capability (Deg C)	NA
2	Coolant capacity (Eng + Rad) (L)	NA
I	Controller	
1	Controller Model	DSE 4520
J	DEF System	
1	Recommended fuel	NA
2	DEF Tank Capacity (L)	NA
K	DEF Consumption	
1	LPH @ 100%	NA
2	LPH @ 75%	NA
L	Genset Outer Dimensions	
1	Length(L) X Width(W) X Height(H) (mm)	1110 x 750 x 863
2	Dry Weight (Approx.) (kg)	300
	Disclaimer:	
	1. Ref.: ⁽¹⁾Fuel consumption @ 0.85 Specific Gravity with 5% Tolerance, DEF consumption : 5% of FC 2. PRIME POWER RATING as per ISO 8528-Part I 3. Conformance standards: Engine - BS 5514, ISO 3046, Alternator - IS 13364 (I) 4. Genset - ISO 8528 and Tolerances as applicable. Please refer our GA drawing for overall dimension with add on components like silencer, ducts etc. 5. Product specifications are subject to change without prior notice due to the policy of continuous improvement.	

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