

Sr. No.	Genset Rated →	45kVA - Mech
A	Genset specification ↓	
1	Genset rating	Prime
2	Genset output (kVA/kWe)	45 / 36
3	Genset model	GPWII-PIV-45V
4	Gross engine Power (kWm)	54.5
5	Gross engine Power (HP)	74.1
6	Engine model	3G11TAG31
7	Aspiration / Cooling	TCAC
8	No. of Cylinders / Arrangement	3 / inline
9	Displacement (L)	3.66
10	Bore x Stroke (mm)	108 X 133
11	Compression ratio	16.8
12	Rated RPM	1500
13	Overspeed trip (RPM)	1650
14	Governor type / DG Performance Class	Mech / G2 ⁽ⁿ⁾
15	Frequency Regulation	-
16	Air cleaner type / Qty	Dry / 01
B	Exhaust system	
1	Max allowable backpressure before After-treatment (kPa)	9
2	Max allowable backpressure post After-treatment (kPa)	5
3	Exhaust temperature (Deg C)	525
4	Silencer type	Residential
5	After treatment System	DOC+POC
C	Engine electrical system	
1	Charging alternator VDC / Amps	12 V / 35 A
2	Starter motor rated voltage (DC)	12
3	Battery voltage (DC) / Capacity (AH)	12V / 88 AH
D	Fuel System	
1	Recommended fuel	IS 1460, HSD
2	Fuel tank capacity (L)	85
E	Fuel Consumption @ % load (LPH)(Including radiator fan + other accessories)⁽²⁾	
1	LPH @ 100%	10.30
2	LPH @ 75%	8.10
F	Lubricating Oil System	
1	Lube oil sump capacity (L)	7
2	Lube oil change period (Hrs)	500
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	CG
2	Alternator kVA	45
3	Voltage (3P)	415
4	Frequency (Hz)	50
5	Current (3P) (Amps)	62.6
6	Type	4P, rotating field
7	Voltage regulator	Automatic
8	Voltage regulation -%	±1%
9	Insulation class	H
10	Temperature rise (Deg C)	125
11	Bearing (Qty / type)	1, sealed
12	Coupling	Flex disc
13	Unbalanced load capability	25% of rated amps
H	Cooling System	
1	Max ambient capability (Deg C)	50
2	Coolant capacity (Eng + Rad) (L)	14
I	Controller	
1	Controller Model (DEIF)	SGC 120 MKII
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)	2450 X 1080 X 1450
2	Dry Weight (Approx.) (kg)	1180
	Disclaimer:	
	- Ref.: ⁽¹⁾G3 Class for DG Performance is available on request. - Ref.: ⁽²⁾Fuel consumption @ 0.85 Specific Gravity with 5% Tolerance, DEF consumption : 5% of Fuel consumption - PRIME POWER RATING as per ISO 8528 - Conformance standards: Engine - BS 5514, ISO 3046, Alternator - IS 13364 (Part - II), Genset - ISO 8528 and Tolerances as applicable. Please refer our GA drawing for overall dimension with add on components like silencer, ducts etc. - Product specifications are subject to change without prior notice due to the policy of continuous improvement. - Others make alternator also available – Please consult application engineering department - This product comply to CPCB IV+ Emission norms.	

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