

Sr. No.	Genset Rated →	20kVA - Mech
A	Genset specification ↓	
1	Genset rating	Prime
2	Genset output (kVA/kWe)	20 / 16
3	Genset model	GPWII-PIV- 20M
4	Gross engine Power (kWm)	18
5	Gross engine Power (HP)	24.5
6	Engine model	G20-IV
7	Aspiration / Cooling	TCAC
8	No. of Cylinders / Arrangement	3 / inline
9	Displacement (L)	2.340
10	Bore x Stroke (mm)	95 X 110
11	Compression ratio	17.5
12	Rated RPM	1500
13	Overspeed trip (RPM)	1650
14	Governor type / DG Performance Class	Mech / G2
15	Frequency Regulation	Isochronous
16	Air cleaner type / Qty	Dry / 01
B	Exhaust system	
1	Max allowable backpressure before After-treatment (kPa)	7.3
2	Max allowable backpressure post After-treatment (kPa)	5
3	Exhaust temperature (Deg C)	550
4	Silencer type	Residential
5	After treatment System	NA
C	Engine electrical system	
1	Charging alternator VDC / Amps	12V / 35 A
2	Starter motor rated voltage (DC)	14
3	Battery voltage (DC) / Capacity (AH)	12V / 88 AH
D	Fuel System	
1	Recommended fuel	IS 1460, HSD
2	Fuel tank capacity (L)	60
E	Fuel Consumption @ % load (LPH)(Including radiator fan + other accessories)⁽¹⁾	
1	LPH @ 100%	5.1
2	LPH @ 75%	3.9
F	Lubricating Oil System	
1	Lube oil sump capacity (L)	6.5
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 C14+
6	Recommended lube oil	Greaves Maxtherm

GREAVES COTTON LIMITED

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Corporate Office: Unit No.1A, 5th Floor, Tower 3, Equinox Business Park, LBS Marg, Kurla West, Mumbai - 400070, India

Tel: +91 22 41711700 CIN: L99999MH1922PLC000987

G	Alternator Specification	
1	Alternator Make	CG
2	Alternator kVA	20
3	Voltage (1P/3P)	232 / 415
4	Frequency (Hz)	50
5	Current (1P/3P) (Amps)	86.95 / 27.82
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)	11.5
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)	1650 (1972 Including Ducts) X 930 X 1273
2	Dry Weight (Approx.) (kg)	805
	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 to 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. 6. This Product comply to CPCB IV+ Emission norms.	

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