

Sr. No.	Genset Rated →	7.5kVA - Mech
A	Genset specification ↓	
1	Genset rating	Prime
2	Genset output (kVA/kWe)	7.5 / 6
3	Genset model	GPM-PIV-7.5M
4	Gross engine Power (kWm)	8
5	Gross engine Power (HP)	10.9
6	Engine model	G 600 W
7	Aspiration / Cooling	Water cooled
8	No. of Cylinders / Arrangement	1
9	Displacement (L)	0.612
10	Bore x Stroke (mm)	92 X 92
11	Compression ratio	18.1
12	Rated RPM	3000
13	Overspeed trip (RPM)	3300
14	Governor type / DG Perfomance Class	Mech / G2
15	Frequency Regulation	-
16	Air cleaner type / Qty	Dry / 01
B	Exhaust system	
1	Max allowable backpressure (kPa)	7.5
2	Exhaust temperature (Deg C)	550
3	Silencer type	Residential
4	Aftertreatment System	DOC
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 / 65 AH
D	Fuel System	
1	Recommended fuel	IS 1460, HSD
2	Fuel tank capacity (L)	55
E	Fuel Consumption @ % load (LPH)(Including radiator fan + other accessories)⁽¹⁾	
1	LPH @ 100%	2.63
2	LPH @ 75%	2.25
F	Lubricating Oil System	
1	Lube oil sump capacity (L)	1.75
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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G Alternator Specification	
1	Alternator Make
2	Voltage (1P/3P)
3	Frequency (Hz)
4	Current (1P/3P) (Amps)
5	Type
6	Voltage regulator
7	Voltage regulation -%
8	Insulation class
9	Temperature rise (Deg C)
10	Bearing (Qty / type)
11	Coupling
12	Unbalanced load capability
H Cooling System	
1	Max ambient capability (Deg C)
2	Coolant capacity (Eng + Rad) (L)
I Controller	
1	Controller Model
J DEF System	
1	Recommended fuel
2	DEF Tank Capacity (L)
K DEF Consumption	
1	LPH @ 100%
2	LPH @ 75%
L Genset Outer Dimensions	
1	Length(L) X Width(W) X Height(H) (mm)
2	Dry Weight (Approx.) (kg)
Disclaimer:	
	<ol style="list-style-type: none"> Ref.: ⁽¹⁾Fuel consumption @ 0.85 Specific Gravity with 5% Tolerance, DEF consumption : 5% of FC PRIME POWER RATING as per ISO 8528-Part I Conformance standards: Engine - BS 5514, ISO 3046, Alternator - IS 13364 (I) 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.

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