

Sr. No.	Genset Rated →	125kVA - Mech	125kVA - CRDI
A	Genset specification ↓		
1	Genset rating	Prime	Prime
2	Genset output (kVA/kWe)	125 / 100	125 / 100
3	Genset model	GPWII-PIV-125M	GPWII-PIV-125C
4	Gross engine Power (kWm)	114	114
5	Gross engine Power (HP)	155.1	155.1
6	Engine model	4G11TAG31	4G11TAG41
7	Aspiration / Cooling	TCAC	TCAC
8	No. of Cylinders / Arrangement	4 / inline	4 / inline
9	Displacement (L)	4.87	4.87
10	Bore x Stroke (mm)	108 X 133	108 X 133
11	Compression ratio	16.8	16.8
12	Rated RPM	1500	1500
13	Overspeed trip (RPM)	1650	1650
14	Governor type / DG Performance Class	Elec / G3	CRS / G3
15	Frequency Regulation	Isochronous	Isochronous
16	Air cleaner type / Qty	Dry / 01	Dry / 01
B	Exhaust system		
1	Max allowable backpressure (kPa)	10	10
2	Exhaust temperature (Deg C)	525	525
3	Silencer type	NA	NA
4	Aftertreatment System	DOC+SCR+ASC	DOC+SCR+ASC
C	Engine electrical system		
1	Charging alternator VDC / Amps	12 V / 35 A	12 V / 35 A
2	Starter motor rated voltage (DC)	12	12
3	Battery voltage (DC) / Capacity (AH)	12V / 88 AH	12V / 88 AH
D	Fuel System		
1	Recommended fuel	IS 1460, HSD	IS 1460, HSD
2	Fuel tank capacity (L)	200	200
E	Fuel Consumption @ % load (LPH)(Including radiator fan + other accessories)⁽¹⁾		
1	LPH @ 100%	27.50	26.80
2	LPH @ 75%	21.00	19.80
F	Lubricating Oil System		
1	Lube oil sump capacity (L)	10	10
2	Lube oil change period (Hrs)	500	500
3	Lube oil consumption (% of SFC)	≤0.06%	≤0.06%
4	Lube oil filter type / Qty	Spin on / 01	Spin on / 01
5	Recommended lube oil grade	15W40, API CI4+	15W40, API CI4+
6	Recommended lube oil	Greaves Maxtherm	Greaves Maxtherm

GREAVES COTTON LIMITED

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G Alternator Specification			
1	Alternator Make	LS	LS
2	Voltage (3P)	415	415
3	Frequency (Hz)	50	50
4	Current (3P) (Amps)	173.9	173.9
5	Type	4P, rotating field	4P, rotating field
6	Voltage regulator	Automatic	Automatic
7	Voltage regulation -%	±1%	±1%
8	Insulation class	H	H
9	Temperature rise (Deg C)	125	125
10	Bearing (Qty / type)	1, sealed	1, sealed
11	Coupling	Flex disc	Flex disc
12	Unbalanced load capability	25% of rated amps	25% of rated amps
H Cooling System			
1	Max ambient capability (Deg C)	50	50
2	Coolant capacity (Eng + Rad) (L)	30	30
I Controller			
1	Controller Model	DSE 6120 MKIII	DSE 6120 MKIII
J DEF System			
1	Recommended fuel	ISO 22241, DIN-70070	ISO 22241, DIN-70070
2	DEF Tank Capacity (L)	40	40
K DEF Consumption			
1	LPH @ 100%	1.4	1.3
2	LPH @ 75%	1.1	1.0
L Genset Outer Dimensions			
1	Length(L) X Width(W) X Height(H) (mm)	3245 x 1350 x 2150	3245 x 1350 x 2150
2	Dry Weight (Approx.) (kg)	1850	1850
Disclaimer:			
<ol style="list-style-type: none"> 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 3. 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. 4. Product specifications are subject to change without prior notice due to the policy of continuous improvement. 5. Others make alternator also available – Please consult application engineering department 			

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