

Sr. No.	Genset Rated →	320kVA - CRDI
A	Genset specification ↓	
1	Genset rating	Prime
2	Genset output (kVA/kWe)	320 / 256
3	Genset model	GPWII-PIV-320C
4	Gross engine Power (kWm)	284
5	Gross engine Power (HP)	386.4
6	Engine model	D3V6TAG41
7	Aspiration / Cooling	TCAC
8	No. of Cylinders / Arrangement	6 / V-Type
9	Displacement (L)	10.04
10	Bore x Stroke (mm)	128 X 130
11	Compression ratio	16.8
12	Rated RPM	1500
13	Overspeed trip (RPM)	1650
14	Governor type / DG Performance Class	CRS / G3
15	Frequency Regulation	Isochronous
16	Air cleaner type / Qty	Dry / 01
B	Exhaust system	
1	Max allowable backpressure (kPa)	20
2	Exhaust temperature (Deg C)	550
3	Silencer type	NA
4	Aftertreatment System	DOC+SCR+ASC
C	Engine electrical system	
1	Charging alternator VDC / Amps	24 V / 35 A
2	Starter motor rated voltage (DC)	24
3	Battery voltage (DC) / Capacity (AH)	12V / 180 AH X 2
D	Fuel System	
1	Recommended fuel	IS 1460, HSD
2	Fuel tank capacity (L)	520
E	Lubricating Oil System	
1	Lube oil sump capacity (L)	30
2	Lube oil change period (Hrs)	750
3	Lube oil consumption (% of SFC)	≤0.06%
4	Lube oil filter type / Qty	Spin on / 02
5	Recommended lube oil grade	15W40, API CI4+
6	Recommended lube oil	Greaves Maxtherm

GREAVES COTTON LIMITED

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Registered Office: J-2, MIDC Industrial Area, Chikalthana, Aurangabad - 431210, India

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

F	Alternator Specification	
1	Alternator Make	MECCALTE
2	Voltage (1P/3P)	415
3	Frequency (Hz)	50
4	Current (1P/3P) (Amps)	445.18
5	Type	4P, rotating field
6	Voltage regulator	Automatic
7	Voltage regulation -%	±1%
8	Insulation class	H
9	Temperature rise (Deg C)	125
10	Bearing (Qty / type)	1, sealed
11	Coupling	Flex disc
12	Unbalanced load capability	25% of rated amps
G	Cooling System	
1	Max ambient capability (Deg C)	50
2	Coolant capacity (Eng + Rad) (L)	100
H	Controller	
1	Controller Model	DSE 6120 MKIII
I	DEF System	
1	Recommended fuel	ISO 22241, DIN-70070
2	DEF Tank Capacity (L)	60
J	DEF Consumption	
1	LPH @ 100%	3.5
2	LPH @ 75%	2.6
K	Genset Outer Dimensions	
1	Length(L) X Width(W) X Height(H) (mm)	5030 x 1950 x 2480
2	Dry Weight (Approx.) (kg)	4150
	Disclaimer:	
	1. PRIME POWER RATING as per ISO 8528 2. Conformance standards: Engine - BS 5514, ISO 3046, Alternator - IS 13364 (I & II), Genset - ISO 8528 and Tolerances as applicable. 3. Product specifications are subject to change without prior notice due to the policy of continuous improvement	
3	Breaker Quantity (4 P, MCCB)	
4	Contactor (4 P)	

Disclaimer:

Data may change without prior notice.

Fuel consumption @ 0.85 Specific Gravity with 5% Tolerance

DEF consumption : 5% of FC

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