

Sr. No.	Genset Rated →	750kVA
<b>A</b>	<b>Genset specification ↓</b>	
1	Genset rating	Prime
2	Genset output (kVA/kWe)	750/600
3	Genset model	<b>GPW-PIV-750 CP</b>
4	Gross engine Power (kWm)	660
5	Gross engine Power (HP)	898
6	Engine model	6M33G4D4/5
7	Aspiration / Cooling	TCAC
8	No. of Cylinders / Arrangement	6/ Inline
9	Displacement (L)	19.6
10	Bore x Stroke (mm)	150 x 185
11	Compression ratio	15:1
12	Rated RPM	1500
13	Overspeed trip (RPM)	1650
14	Governor type / DG Performance Class	Elec / G3
15	Frequency Regulation	Isochronous
16	Air cleaner type / Qty	Dry / 02
<b>B</b>	<b>Exhaust system</b>	
1	Max allowable backpressure before After-treatment (kPa)	26
2	Exhaust temperature (Deg C)	550
3	Silencer type	Residential
4	Aftertreatment System	DOC+SCR+ASC
<b>C</b>	<b>Engine electrical system</b>	
1	Charging alternator VDC / Amps	24 V /55 A
2	Starter motor rated voltage (DC)	24
3	Battery voltage (DC) / Capacity (AH)	12V / 150 AH X 2
<b>D</b>	<b>Fuel System</b>	
1	Recommended fuel	IS 1460, HSD
2	Fuel tank capacity (L)	990
<b>E</b>	<b>Fuel Consumption @ % load (LPH)(Including radiator fan + other accessories)<sup>(1)</sup></b>	
1	LPH @ 100%	152.9
2	LPH @ 75%	118.9
<b>F</b>	<b>Lubricating Oil System</b>	
1	Lube oil sump capacity (L)	61
2	Lube oil change period (Hrs)	500
3	Lube oil consumption (% of SFC)	≤0.2%
4	Lube oil filter type / Qty	Spin on / 02
5	Recommended lube oil grade	15W40, API CK4
6	Recommended lube oil	Greaves Maxtherm

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G	Alternator Specification	
1	Alternator Make	Stamford
2	Alternator kVA/KW	750/600
3	Voltage (3P)	415
4	Frequency (Hz)	50
5	Current (3P) (Amps)	1043.43
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)	159
I	Controller	
1	Controller Model	DIEF SGC 420
J	DEF System	
1	Recommended fuel	ISO 22241, DIN-70070
2	DEF Tank Capacity (L)	90 X 2
K	DEF Consumption	
1	LPH @ 100%	11.5
2	LPH @ 75%	8.9
L	Genset Outer Dimensions	
1	Length(L) X Width(W) X Height(H) (mm)	6750X 2350 X 2550
2	Dry Weight (Approx.) (kg)	9810
	<b>Disclaimer:</b>	
	<ol style="list-style-type: none"> <li>1. Ref.: <sup>(1)</sup>Fuel consumption @ 0.85 Specific Gravity with 5% Tolerance, DEF consumption : 5% of FC</li> <li>2. PRIME POWER RATING as per ISO 8528</li> <li>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.</li> <li>4. Product specifications are subject to change without prior notice due to the policy of continuous improvement.</li> <li>5. Others make alternator also available – Please consult application engineering department</li> <li>6. DG complying CPCB IV+ Norms</li> </ol>	