

Sr. No.	Genset Rated →	400kVA - Mech
<b>A</b>	<b>Genset specification ↓</b>	
1	Genset rating	Prime
2	Genset output (kVA/kWe)	400 / 320
3	Genset model	GPWII-PIV-400M
4	Gross engine Power (kWm)	444
5	Gross engine Power (HP)	604.1
6	Engine model	12V14TAG31
7	Aspiration / Cooling	TCAC
8	No. of Cylinders / Arrangement	12 / V-Type
9	Displacement (L)	16.8
10	Bore x Stroke (mm)	115 X 135
11	Compression ratio	16.8
12	Rated RPM	1500
13	Overspeed trip (RPM)	1650
14	Governor type / DG Perfomance 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 (kPa)	15
2	Exhaust temperature ( Deg C)	550
3	Silencer type	NA
4	Aftertreatment System	DOC+SCR+ASC
<b>C</b>	<b>Engine electrical system</b>	
1	Charging alternator VDC / Amps	24 V / 44 A
2	Starter motor rated voltage (DC)	24
3	Battery voltage (DC) / Capacity (AH)	12V / 180 AH X 2
<b>D</b>	<b>Fuel System</b>	
1	Recommended fuel	IS 1460, HSD
2	Fuel tank capacity (L)	740
<b>E</b>	<b>Fuel Consumption @ % load (LPH)(Including radiator fan + other accessories)<sup>(1)</sup></b>	
1	LPH @ 100%	85.00
2	LPH @ 75%	63.00
<b>F</b>	<b>Lubricating Oil System</b>	
1	Lube oil sump capacity (L)	50
2	Lube oil change period (Hrs)	500
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**

Email ID: [info@greavescotton.com](mailto:info@greavescotton.com) Website: [www.greavescotton.com](http://www.greavescotton.com)

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

Corporate Office: Unit No.1A, 5<sup>th</sup> Floor, Tower 3, Equinox Business Park, LBS Marg, Kurla West, Mumbai - 400070, India  
Tel: +91 22 41711700 CIN: L99999MH1922PLC000987

<b>G Alternator Specification</b>	
1	Alternator Make
2	Voltage (3P)
3	Frequency (Hz)
4	Current (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
<b>H Cooling System</b>	
1	Max ambient capability (Deg C)
2	Coolant capacity (Eng + Rad) (L)
<b>I Controller</b>	
1	Controller Model
<b>J DEF System</b>	
1	Recommended fuel
2	DEF Tank Capacity (L)
<b>K DEF Consumption</b>	
1	LPH @ 100%
2	LPH @ 75%
<b>L Genset Outer Dimensions</b>	
1	Length(L) X Width(W) X Height(H) (mm)
2	Dry Weight (Approx.) (kg)
<b>Disclaimer:</b>	
	<ol style="list-style-type: none"> <li>Ref.: <sup>(1)</sup>Fuel consumption @ 0.85 Specific Gravity with 5% Tolerance, DEF consumption : 5% of FC</li> <li>PRIME POWER RATING as per ISO 8528</li> <li>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>Product specifications are subject to change without prior notice due to the policy of continuous improvement.</li> <li>Others make alternator also available – Please consult application engineering department</li> </ol>

**GREAVES COTTON LIMITED**

Email ID: [info@greavescotton.com](mailto:info@greavescotton.com) Website: [www.greavescotton.com](http://www.greavescotton.com)

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

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

Tel: +91 22 41711700 CIN: L99999MH1922PLC000987