

Sr. No.	Genset Rated →	20kVA - Mech
<b>A</b>	<b>Genset specification ↓</b>	
1	Genset rating	Prime
2	Genset output (kVA/kWe)	20 / 16
3	Genset model	GPWII-PIV- 20M
4	Gross engine Power (kWm)	18
5	Gross engine Power (HP)	24.5
6	Engine model	G20-IV
7	Aspiration / Cooling	TCAC
8	No. of Cylinders / Arrangement	3 / inline
9	Displacement (L)	2.340
10	Bore x Stroke (mm)	95 X 110
11	Compression ratio	17.5
12	Rated RPM	1500
13	Overspeed trip (RPM)	1650
14	Governor type / DG Performance Class	Mech / G2
15	Frequency Regulation	Isochronous
16	Air cleaner type / Qty	Dry / 01
<b>B</b>	<b>Exhaust system</b>	
1	Max allowable backpressure (kPa)	7.3
2	Exhaust temperature (Deg C)	550
3	Silencer type	Residential
4	Aftertreatment System	NA
<b>C</b>	<b>Engine electrical system</b>	
1	Charging alternator VDC / Amps	12V / 35 A
2	Starter motor rated voltage (DC)	14
3	Battery voltage (DC) / Capacity (AH)	12V / 88 AH
<b>D</b>	<b>Fuel System</b>	
1	Recommended fuel	IS 1460, HSD
2	Fuel tank capacity (L)	60
<b>E</b>	<b>Fuel Consumption @ % load (LPH)(Including radiator fan + other accessories)<sup>(1)</sup></b>	
1	LPH @ 100%	5.1
2	LPH @ 75%	3.9
<b>F</b>	<b>Lubricating Oil System</b>	
1	Lube oil sump capacity (L)	6.5
2	Lube oil change period (Hrs)	500
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**

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</b>	<b>Alternator Specification</b>	
1	Alternator Make	LS
2	Voltage (1P/3P)	232 / 415
3	Frequency (Hz)	50
4	Current (1P/3P) (Amps)	86.95 / 27.82
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
<b>H</b>	<b>Cooling System</b>	
1	Max ambient capability (Deg C)	50
2	Coolant capacity (Eng + Rad) (L)	11.5
<b>I</b>	<b>Controller</b>	
1	Controller Model	DSE 4522
<b>J</b>	<b>DEF System</b>	
1	Recommended fuel	NA
2	DEF Tank Capacity (L)	NA
<b>K</b>	<b>DEF Consumption</b>	
1	LPH @ 100%	NA
2	LPH @ 75%	NA
<b>L</b>	<b>Genset Outer Dimensions</b>	
1	Length(L) X Width(W) X Height(H) (mm)	1650 (1972 Including Ducts) X 930 X 1273
2	Dry Weight (Approx.) (kg)	805
	<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-Part I</li> <li>3. Conformance standards: Engine - BS 5514, ISO 3046, Alternator - IS 13364 (I)</li> <li>4. Genset - ISO 8528 and Tolerances as applicable. Please refer to our GA drawing for overall dimension with add on components like silencer, ducts etc.</li> <li>5. Product specifications are subject to change without prior notice due to the policy of continuous improvement.</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