

POWERING PROGRESS



Diesel Generator Set
2.5 kVA to 1250 kVA



FEATURES

- Superior Aesthetics & Paint Finish
- Greaves Factory Built Gensets
- Best TCO-Total Cost of Ownership
- Compact Size with Lowest Footprint
- Single Window: 3S

GREAVES
Auxiliary Power Business

www.greavescotton.com

Company Introduction

- India's leading engineering company with over 160 years of rich legacy
- Core Competencies: Generator Sets, Pump Sets, Diesel / Petrol Engines, and Farm Equipments.
- Manufacturing 5 lakh engines annually.
- More than 85% of diesel 3-wheelers in India, run on Greaves engines
- 5 state-of-the-art manufacturing facilities spread across the country, and excellent infrastructure for R & D.
- Significant Strengths: Technology. Value, Reach.
- Strong team of more than 300 R&D professionals.
- Extensive Marketing and Service Network: Over 1200 sales & service centres across India.
- Global footprint, with local presence in SAARC, Africa and Middle-East.

Powering Lives



Driving Business



Enhancing Productivity



Engines of Growth



Power Gen Business

- Over 5 decades of experience in generator sets. 1 Lakh+ Gensets population in Operations
- New Genset Manufacturing facility at Chakan with annual capacity of more than 10000 Gensets
- Fuel-efficient, rugged and reliable.
- Total solutions by single point of contact for sales, service & spare parts: anytime, anywhere.
- Testing facility equipped with sophisticated equipment is among the best in the industry and can test engines up to 2 MW.
- State-of-the-art manufacturing facilities at Chakan and Chinchwad Pune for multi-cylinder / higher HP engines and gensets.
- Segments we serve: Real Estate, Malls, Hospitals, Hotels, Industries, Manufacturing, Infrastructure, Engineering, Dairy, Petroleum, Telecom, Food Processing, Textile & more

Powering Missions



Supporting Large Infrastructure Projects



Application and More



Genset Model	GPWII-P11-10E	GPWII-P11-15X	GPWII-P11-20X	GPWII-P11-25E	GPWII-P11-30X	GPWII-40A	GPWII-45A	GPWII-P11-45	GPWII-P11-50	GPWII-P11-62.5
Power Rating (kVA/kW)	10 / 8*	15/12	20/16	25/20	30/24	40/32	45/36	45/36*	50/40	62.5/50
No. of Phases	1 / 3	1 / 3	1 / 3	1 / 3	1 / 3	3	3	3	3	3
Current @ 0.8 PF (Amps)	43.5/13.9	65.2/20.9	87.0/27.8	108.7/34.8	130.4/41.7	55.6	62.6	62.6	69.6	87.0
Power Factor	0.8 OR 1	0.8	0.8	0.8	0.8	0.8	0.8	0.8 / 1	0.8	0.8
Battery Rating (AH)	88AH	88AH	88AH	88AH	88AH	88AH	88AH	88AH	88AH	88AH
Integral Fuel Tank Capacity (Ltrs)	50	50	75	75	75	100	100	100	150	150

Engine : 1500 RPM, with Premix coolant - 50:50 of Ethylene Glycol and DM water

Engine Model	G-12-II	G-15-II	G-20-II	G-25-II	G-30-II	G-40-II	G-40-II	3G11TAG25	3G11TAG25	3G11TAG25
Aspiration	Natural	Natural	Natural	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled
No. of Cylinders	2	2	3	3	3	4	4	3	3	3
Compression Ratio	17.5	17.5	17.5	17.5	17.5	17.5	17.5	16.8	16.8	16.8
Bore x Stroke (mm)	91X110	95X110	91X110	91X110	91X110	91X110	91X110	108X133	108X133	108X133
Cubic Capacity (Ltrs)	1.43	1.56	2.14	2.14	2.14	2.86	2.86	3.655	3.655	3.655
Power (HP)	18.0	21.6	25.2	33.6	42.0	58.0	58.0	80.2	80.2	80.2
Power (kW)	13.3	15.9	18.5	24.7	31.2	42.8	42.8	59.0	59.0	59.0
Governing	Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2
Starting System	12V ESE	12V ESE	12V ESE	12V ESE	12V ESE	12V ESE	12V ESE	12V ESE	12V ESE	12V ESE
Lube Oil Sump Capacity (Ltrs) with filter	5.5	5.5	6.5	6.5	6.5	8.5	8.5	8.5	8.5	8.5
Lube oil Specification	15W40 Greaves Maxtherm API CI4	15W40 Greaves Maxtherm API CI4	15W40 Greaves Maxtherm API CI4	15W40 Greaves Maxtherm API CI4	15W40 Greaves Maxtherm API CI4	15W40 Greaves Maxtherm API CI4	15W40 Greaves Maxtherm API CI4	15W40 Greaves Maxtherm API CI4	15W40 Greaves Maxtherm API CI4	15W40 Greaves Maxtherm API CI4

Alternator: AVR Controlled, Brushless Alternator with 3ph, 50Hz, voltage range-415V-440 volts. IP23 Protection, Single Phase Voltage 230 Volts. Insulation class H with temperature rise restricted to class H limits.

Fuel Consumption

100% Load (LPH)	3.0	3.9	5.0	6.3	7.4	9.0	11.1	10.7	12.1	14.9
75% Load (LPH)	2.3	2.8	3.8	5.0	5.9	7.0	8.6	8.5	8.9	11.0

Genset Installation

3 & 1/2 Core cable, Al. Armoured (mm ² X runs)	10 X 1	16 X 1	25 X 1	25 X 1	25 X 1	35 X 1	35 X 1	35 X 1	50 X 1	70 X 1
3 & 1/2 Core cable, Cu. Armoured (mm ² X runs)	2.5 X 1	4 X 1	4 X 1	6 X 1	10 X 1	16 X 1	25 X 1	25 X 1	25 X 1	35 X 1
Exh. Pipe Size (NB)	2" NB	2" NB	2" NB	2" NB	2" NB	2" NB	2" NB	2" NB	3" NB	3" NB

Dimensions

L x W x H (mm)	1420 X 930 X 1242	1420 X 930 X 1242	1650 X 930 X 1242	1650 X 930 X 1242	1650 X 930 X 1242**	2350 X 950 X 1380	2350 X 950 X 1380	2500 X 1150 X 1535	2500 X 1150 X 1535	2500 X 1150 X 1535
Weight (Kg) (Approx.)	595	660	810	860	945	1260	1490	1210	1210	1230

*Gensets for PF = 1 can be used.

**For 30 kVA Single Phase (Genset Model is - GPWII-30) Dimensions(mm) are -2300 X 950 X1360 .

¹ G3 Governing is also available From 10kVA to 200kVA engine fitted with Electronic Governor , as an Option.

All Genset Specifications as per ISO 8528

DG Set Technical Specifications***

GPWII-P11-75	GPWII-P11-82.5	GPWII-P11-100	GPWII-P11-125	GPWII-P11-160	GPWII-P11-180	GPWII-P11-200	GPWII-P11-250	GPWII-320	GPWII-400	GPWII-500
75/60	82.5/66	100/80	125/100	160/128	180/144	200/160	250/200	320/256*	400/320*	500/400
3	3	3	3	3	3	3	3	3	3	3
104.3	114.8	139.1	173.9	222.4	250.2	278.0	347.5	444.8	556.0	695.0
0.8	0.8	0.8	0.8	0.8/1	0.8	0.8	0.8	0.8	0.8/1	0.8
88AH	88AH	88AH	88AH	120AH	120AH	120AH	2 X 180AH	2 X 180AH	2 X 180AH	2 X 180AH
150	150	350	350	360	360	360	565	810	990	990

3G11TAG26	3G11TAG26	4G11TAG25	4G11TAG26	6G11TAG26	6G11TAG29	6G11TAG29	D3V6TAG21	D3V8TAG21	12V14TAG23	12V14TAG23
Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled
3	3	4	4	6	6	6	6	8	12	12
16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	17	17
108X133	108 x 133	108 x 133	108 x 133	108X133	108X133	108X133	128X130	128X130	115X135	115X135
3.655	3.655	4.87	4.87	7.31	7.31	7.31	10.03	13.38	16.8	16.8
101.3	101.3	126.4	155.0	196.5	243.1	243.1	308.6	386.1	603.7	603.7
74.5	74.5	93.0	114.0	144.5	178.8	178.8	227.0	284.0	444.0	444.0
Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2	Mech. / G2	Electronic /G3	Electronic /G3	Electronic /G3	Electronic /G3
12V ESE	12V ESE	12V ESE	12V ESE	12V ESE	12V ESE	12V ESE	24V ESE	24V ESE	24V ESE	24V ESE
8.5	8.5	10	10	17	17	17	30	40	50	50
15W40	15W40	15W40	15W40	15W40	15W40	15W40	15W40	15W40	15W40	15W40
Greaves	Greaves	Greaves	Greaves	Greaves	Greaves	Greaves	Greaves	Greaves	Greaves	Greaves
Maxtherm	Maxtherm	Maxtherm	Maxtherm	Maxtherm	Maxtherm	Maxtherm	Maxtherm	Maxtherm	Maxtherm	Maxtherm
API C14	API C14	API C14	API C14	API C14	API C14	API C14	API C14	API C14	API C14	API C14

17.5	19.1	23.6	28.6	36.5	40.2	44.8	58.2	76.5	84.7	107.9
12.6	14.0	17.4	20.8	27.2	30.2	33.0	42.3	57.7	63.6	82.5

95 X 1	95 X 1	150 X 1	95 X 2	120 X 2	150 X 2	185 X 2	70 X 4	120 X 4	185 X 4	240 X 4
50 X 1	70 X 1	95 X 1	120 X 1	70 X 2	95 X 2	120 X 2	95 X 3	150 X 3	150 X 4	185 X 4
3" NB	3" NB	4" NB	4" NB	4" NB	5" NB	5" NB	5" NB	5" NB	5" NB	5" NB

2800 X 1150 X 1540	2800 X 1150 X 1540	3000 X 1350 X 1884	3000 X 1350 X 1884	3800 X 1350 X 1900	4000 X 1600 X 1900	4000 X 1600 X 1900	4500 X 1800 X 2200	5000 X 2000 X 2220	5600 X 2000 X 2300	5600 X 2000 X 2300
1270	1270	1600	1610	2150	2295	2300	4050	4300	5490	5610

*** Due to the Policy of continual Improvements , the specifications may change without prior notice.