



## MEGA POWER, MEGA POSSIBILITIES

- Highest Block Loading Capacity
- Most Fuel Efficient
- Compact in its Category
- Lowest Cost of Ownership
- Ease of Service
- MEGA Power for Multiple Application
- Heavy Duty
- Employs Latest Technology

## 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



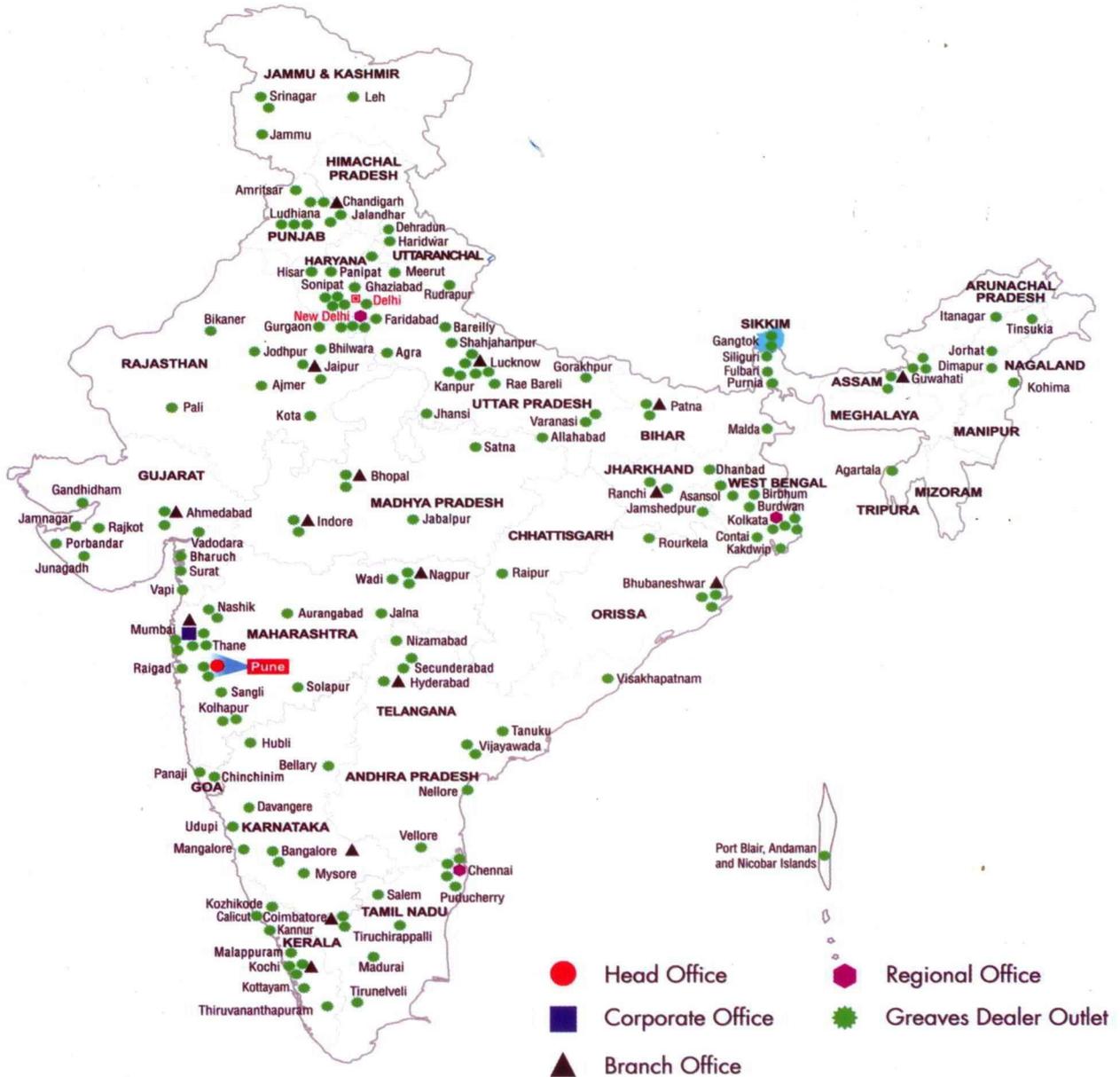
## Application and More



**Diesel Generator set (Specification Sheet 1010/1250 kVA)**

Generator Specifications :	1010 kVA	1250 kVA
Genset Manufacturer	Greaves Power	Greaves Power
Genset Rating	Prime Power	Prime Power
Genset Output (KVA/Kwe)	1010/808	1250 / 1000
Genset Model	GPWII-1010	GPWII-1250
Engine rating or Max. Power at rated RPM in KW (BHP)	880(1180)	1100(1495)
Engine Model	12M26D968E200	12M33D1210E250
Engine Type	TCAC	TCAC
No. of Cylinder / Cylinder Arrangement	12 / V-Type	12 / V-Type
Displacement (L)	31.8	39.2
Bore & Stroke (mm)	150 X 150	150 X 185
Compression Ratio	15.7:1	15:01
Rated RPM	1500	1500
Governor : Type / Class of Governing	Electronic / G3	Electronic / G3
Frequency Regulation, No Load to full Load	Isochronous	Isochronous
Over speed trip (rpm)	1650	1650
Air Cleaner type / Qty	Dry / 02	Dry / 02
Exhaust System		
Maximum allowable back pressure kPA	7.5	7.5
<b>Engine Electrical System :</b>		
Charging alternator Voltage / Current (DC)	24 V / 55 Amps	24 V / 55 Amps
Starter Motor rate voltage (DC)	24	24
Batter Voltage (DC) / Capacity (AH)	24 V,2 x 180 AH	24 V,2 x 180 AH
<b>Fuel System :</b>		
Recommended Fuel	HSD	HSD
Fuel Tank Capacity(Ltr)*for enclosure set	990	990
Fuel Consumption - LPH at % Load		
100%	205.6	252
75%	153.3	188
50%	106	129
25%	58	71
<b>Lubricating Oil System :</b>		
Lube Oil Sump Capacity	109	155
Oil Change Period (Hrs)	500	500
Oil Consumption (% of SFC)	0.15	0.1
Oil Filter Quantity (Nos) / Type	06 / Spin on Type	06 / Spin on Type
Recommended Oil Grade	15 W40 Greaves Maxtherm API CI4	15 W40 Greaves Maxtherm API CI4
Oil Cooler	Water Cool	Water Cooled
<b>Cooling System :</b>		
Cooling System is designed for Max ambient temp. Deg. C. at rated load	50	50
Radiator System Capacity, including engine (L)	200	250 Ltr
Water Pump Type	Centrifugal V Type Belt Driven	Centrifugal V Type Belt Driven
<b>Alternator Specification :</b>		
Voltage	380-440V	380-440V
Frequency	50Hz	50Hz
Current at 0.8 PF (Amps)	1406	1740
Type	4 Pole, Rotating field	4 Pole, Rotating field
Exciter Type	Brushless (Permanent magnet optional)	Brushless (Permanent magnet optional)
Leads : Quantity Type	6, fixed.12, re-connectable (optional)	6, fixed.12, re-connectable (optional)
Voltage Regulator	Solid State	Solid State
Insulation	Class 'H'	Class 'H'
Temperature Rise	125oC (Class 'H')	125oC (Class 'H')
Bearing : Quantity Type	1 Sealed	1 Sealed
Coupling	Flexible disc closed coupled	Flexible disc closed coupled
Voltage Regulation: No load to Full load	2 Phase sensing $\pm 1\%$	2 Phase sensing $\pm 1\%$
One Step Load acceptance	100% rating	100% rating
Unbalance load capability	25% of Rate Current	25% of Rate Current
<b>Genset Dimension &amp; Weight</b>		
Open set Dimension & Weight	L (mm) * W (mm) * H (mm)	L (mm) * W (mm) * H (mm)
	4300 * 2007 * 2434	4472 * 2208 * 2564
	Dry Weight (kg)	Dry Weight (kg)
	6500	7000
Capon Enclosure set Dimension & Weight	L (mm) * W (mm) * H (mm)	L (mm) * W (mm) * H (mm)
	6733 * 2832 * 3573	7400 * 2416 * 3913
	Dry Weight (kg)	Dry Weight (kg)
	9110	11000

**Sales and Service Network**



**Greaves Cotton Limited**

**Corporate Office:**

3<sup>rd</sup> Floor, Motilal Oswal Tower, Junction of Gokhale & Sayani Road, Prabhadevi, Mumbai 400 025, India.  
Tel: +91 22 33551700 | Fax: +91 22 33812799 | Website: [www.greavescotton.com](http://www.greavescotton.com)

**Head Office:**

Pune - Old Mumbai - Pune Highway, Anna Sahib Nagar, Chinchwad, Pimpri-Chinchwad, Pune, Maharashtra 411019.

**Delhi Office:**

Park End, Shop No. 51, Metro Pillar 100, Swasthya Vihar, Delhi, 110092.

**Chennai Office:**

Bharati Vilas, 2<sup>nd</sup> Floor, 26B Jawaharlal Nehru Salai, Ekkattuthangal, Guindy Industrial Estate, Chennai 600032.

**Kolkatta Office:**

Victoria Park, 09th Floor, Block GN, Plot, 37/2, Sector - V, Salt Lake, Kolkata 700 091. West Bengal, India.