



MEGA POWER. SMART ACCESS.

Specifications Sheet: 1010-2250 kVA



163+ years of product legacy



Access Via



Greaves Advantage

- India's leading diversified engineering company with over 163+ years of legacy
- Greaves Power provides one-source responsibility for Turnkey DG power solutions
- Smaller footprint
- Extensive Service Network: Over 1200+ Nationwide well established Service network that ensures faster response time
- 24 x 7 Service support through "Greaves 1" APP and Toll-Free number 1800 266 0670
- ARAI approved 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 Engine manufacturing facilities at Aurangabad for multi-cylinder / higher HP engines
- State-of-the-art DG Set manufacturing facility at Talegaon (Pune)

Product Advantage

DG Set

- Ratings are in accordance with ISO-8528/1
- Robust Construction
- Fuel-efficient, rugged and reliable
- Engineered to the finest detail
- Ease of operation and maintenance
- Compact design with low footprint
- IOT Enabled, for ease of monitoring

Alternator

- Designed in accordance relevant parts of IEC EN 60034 / IS:13364 / IS 4722
- Choice of Higher Frame Alternators Available
- RTD / BTD (without scanner) and Space Heaters are provided as standard for 1010 kVA and above.
- Option of Crompton Greaves / LeroySomer / Stamford make Alternators

Engine

- Designed in accordance to IS 3046/1 and BS 5514
- Best in class fuel consumption
- Engine and Radiator designed for 50 °C Ambient
- High Power Density Engine
- Excellent Block Loading Capability
- Best in class fuel consumption
- Rugged and Reliable
- 5 Years 5C Warranty

Acoustic Enclosure

- Acoustic Panel manufactured out of 2mm thick CRCA Sheets
- SS Hinges and door locks
- LED lighting inside the canopy provided as standard
- 230V AC Power Points provided as standard
- Canopy Temperature Switch provided as standard

Remote Monitoring System

- Separate microcontroller
- Onboard memory with SD card
- Input and output for easy integration
- Battery backup
- RS 485 port
- Dual SIM support
- Surge and reverse power protection
- Wall and DIN mounting
- 3 LED indicator for GPS, GSM and data capture
- Secure by design and predefined access control
- Temper proof design
- Dynamic data collection
- Multi-protocol and controller support
- Cross-platform compatibility
- Real-time clock
- External GSM and GPRS antenna support
- Rapid data gathering



Technical Specifications

DG Power (kVA / kWe) DG Model	1010 / 808 GPW - 1010		1250 / 1000 GPW- 1250		1500 / 1200 GPW- 1500		2000 / 1600 GPW-2000			2250 / 1800 GPW - 2250**
Rating	Prime		Prime		Prime		Prime			DCC
Engine Cooling Arrangement	Radiator Cooled	Heat Exchanger	Radiator Cooled	Heat Exchanger	Radiator	Heat Exchanger	Radiator	Heat Exchanger		Radiator
Voltage (V) / Frequency (Hz) / PF	415 / 50 / 0.8		415 / 50 / 0.8		415 / 50 / 0.8		415 / 50 / 0.8			415 / 50 / 0.8
Current @ 0.8 PF (Amps)	1405.12	1405.12	1740	1740	2085	2085	2780	2780		3128
Battery Capacity (AH)	2 x 180		2 x 180		2 x 200		2 x 200	2 x 220	2 x 220	2 x 220
Fuel Tank Capacity (L)	990*		990		990		990			990
Silencer type	Residential		Residential		Residential		Residential			Residential
Open Set L x B x H (mm)	4329 x 2007 x 2391	4254 x 1731 x 2105	4472 x 2208 x 2650	4254 x 1731 x 2105	4472 x 2208 x 2650	4350 x 1731 x 2093	5405 x 2835 x 3055	5433 x 2231 x 2593		7500 x 2756 x 2870
With Acoustic Enclosure L x B x H (mm) ***	7400 x 2435 x 4699	7400 x 2435 x 4699	7500 x 2870 x 5036	7500 x 2870 x 5036	7500 x 2870 x 5036	7500 x 2870 x 5036	9700 x 3550 x 4800	9700 x 3550 x 4800		12000 x 4000 x 4000
"Approx Weight (Kg) (Wet weight with acoustic enclosure)"	10500	10200	13000	12000	14000	13500	18300	17500		
Engine										
Engine Model	GPW -1010		GPW-1250		GPW-1500		GPW-2000			GPW - 2250
Engine Power Gross (BHP / kWm)	1192 / 889		1475 / 1100		1810 / 1350		2414 / 1800			
Engine Speed (RPM)	1500		1500		1500		1500			1500
No. of Cylinders	12		12		12		TCAC			20
Cylinder Arrangement	Vee		Vee		Vee		Vee			Vee
Compression Ratio	15.7		15		15		14			15
Bore x Stroke (mm)	150 x 150		150 x 185		150 x 185		150 x 185			150 x 185
Cubic Capacity (L)	31.8		39.2		39.2		52.3			65.4
Aspiration	TCAC		TCAC		TCAC		TCAC			TCAC
Governing / DG Performance Class	Elec / G3		Elec / G3		ECU		ECU			ECU
Starting System	24V DC		24V DC		24V DC		24V DC			24V DC
Charging Alternator	Standard supply		Standard supply		Standard supply		Standard supply			
Lube Oil Sump Capacity with Filter (L)	114	114	155	155	155	155	175	175		240
Lube Oil Specification	15W40, API CI4+,	15W40, API CI4+,	15W40, API CI4+,	15W40, API CI4+,	15W40, API CI4+,	15W40, API CI4+,	15W40, API CI4+,	15W40, API CI4+,		15W40, API CI4+,
	Greaves Maxtherm	Greaves Maxtherm	Greaves Maxtherm	Greaves Maxtherm	Greaves Maxtherm	Greaves Maxtherm	Greaves Maxtherm	Greaves Maxtherm		Greaves Maxtherm
Cooling system capacity, including engine (L)	200	**	250	**	310	**	542	**		410
Fuel Consumption (LPH)										
100% Load	205	205	252.0	244.3	300	286.4	393.0	379.0		474.7*
75% Load	149	149	188.0	179.4	226	204.0	287.0	275.0		351.6*
			Note: "Above fuel consumption values are based on HSD density of 0.85 kg/ltr.							
±5% tolerance is applicable. "										
Alternator										
Alternator Make Options Available	LS / Stamford / CG		LS / Stamford / CG		LS / Stamford / CG		LS / Stamford / CG			LS / Stamford / CG
No. of Phases	3		3		3		3			3
Insulation Class	H		H		H		H			H
Ingress Protection Class	IP 23		IP 23		IP 23		IP 23			IP 23
DG Control Panel										
Controller model	DSE 7320 MK-II		DSE 7320 MK-II		DSE 7320 MK-II		DSE 7320 MK-II			DSE 7320 MK-II
	Option of DSE 8610 MK-II is available		Option of DSE 8610 MK-II is available		Option of DSE 8610 MK-II is available		Option of DSE 8610 MK-II is available			
Battery Charger	Standard supply		Standard supply		Standard supply		Standard supply			
DGCP Illumination Lamp	Standard supply		Standard supply		Standard supply		Standard supply			
IOT Enabled Genset	Standard supply		Standard supply		Standard supply		Standard supply			

Disclaimer:

Data subject to change with out prior notice due to continous improvement

* 1010 kVA DG with acoustic enclosure will have fuel tank mounted inside the canopy, including connectivity between tank and engine.

** Please contact Greaves for specific requirement.

*** Height of DG with Acoustic Enclosure is including Exhaust silencers

DG Rating Definition:

Prime Power Rating:

In accordance with ISO 8528/1 Prime Power rating is applicable for supplying power to variable electrical loads for unlimited operating hours. In accordance with ISO 3046 and IS 13018, 10% overload for 1 hour in every 12 hours of operation is available.

DCC Power Rating:

In accordance with ISO 8528/1 Data Centre Continuous rating is applicable for supplying power to variable electrical loads for unlimited operating hours. 10% overload provision is not applicable for this rating. Prolonged operation at load in parallel with a utility is not permitted.

Standard Scope of Supply

DG Set

- › Common Base Frame
- › 990 litres day tank
- › Exhaust Silencers
- › One Set of SS bellows (after turbo – before silencers)
- › One Set of Lead Acid Batteries and battery cables (as per Standard Specifications)
- › Anti-Vibration Mounts between Engine/Radiator/Alternator and Base Frame
- › Set of literature

Engine

- › Fluid Cooled Diesel Engine
- › Dry Type Air Cleaner Elements fitted on Engine
- › One Set of Fuel and Lube oil filters fitted on the Engine
- › Radiator Designed for 50 °C Ambient
- › Radiator Fan and fan drive
- › Fuel Cooler
- › 24V DC Electric Starter
- › Charging Alternator
- › Earthing of Engine and Radiator on Base frame
- › First Fill of Lube Oil
- › First Fill of Coolant

Alternator

- › IP-23 Rating, Single Bearing Alternator
- › Earthing of Alternator on Base frame

DC Control Panel

- › RAL 9003 White powder coated control panel manufactured with CRCA sheet
- › AMF Relay (DSE 7320 MK II)
- › Battery Charger
- › Emergency Stop Switch
- › DC Powered LED light inside Control Panel
- › Indicating lamps for "Load on" and "Set Running Earthing of Alternator on Base frame"

Warranty

For Prime Rating & DCC Rating DG Sets, 30 months from the date of invoice or 24 months from the date of commissioning or 5000 operational hours whichever occurs first. In addition to the above, warranty of 5 Years or 5000 hours of operation from the date of sale or commissioning will be extended for 5 C components.

Optional items

DG Set

- › DG Control Panel with Synch Relay (DSE 8610 MK II)
- › Acoustic Enclosure (Standard Acoustic Enclosure to meet 25dB insertion loss @ 1 meter distance. Also, option of Special Acoustic Available)
- › Critical Grade Silencers
- › Extended Warranty

Engine

- › HE Cooled Engine
- › Remote Radiator Cooled Engine

Alternator

- › Higher Frame Alternators

Real-time
Access via



Strong Service Network

Greaves Power has a strong network of 135 dealers spread all across India. Our wide spread presence ensures timely reach of products and services to end users across the country.

Greaves Cotton - A Legacy of Excellence

- Well diversified business includes manufacturing of Engines, DG Sets, e-Vehicles, Farm Equipments and Pump Sets
- Strong in-house R&D and Engineering capability.
- Our Values : Technology, Value, Reach
- Global footprint with local presence in SAARC, Africa and Middle-East



Non-stop Power



Driving Business



Enhancing Productivity



Engines of Growth

Power Generation Business

- Over 5 decades of experience in generator sets. 1 Lakh+ Gensets population in operation.
- New Genset manufacturing facility at Pune with annual capacity of more than 10000 Gensets
- Fuel-efficient, rugged and reliable
- Total solutions by single point of contact for engineering design, sales, service & spare parts
- ARAI approved 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 Pune for multi-cylinder / higher HP engines and Gensets



GREAVES COTTON LIMITED

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ISO 9001:2008
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