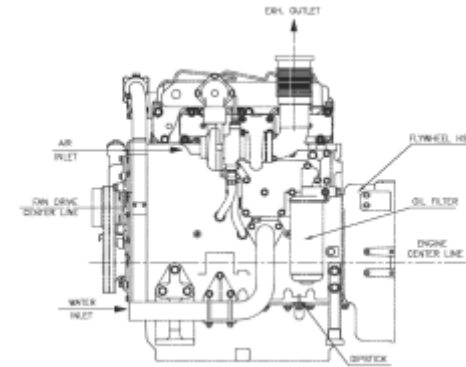


Customization Ready!

The G Series continues on Greaves strength of offering a combination of ratings, configurations and accessory options. As ever this allows us to completely customize the G series engine as a solution to a wide spectrum of Industrial Applications. Our expertise in application engineering enables us to cater to the toughest of applications and deliver efficient engine systems that are fully integrated with the equipment – designed for optimum performance of the equipment.



We offer a Totally Customized Industrial Prime Mover

Options exist in

- Engine Ratings
- Flywheel Housings
- Flywheels and power take offs (PTO's)
- Gear Driven Auxiliaries
- Belt Driven Auxiliaries
- Engine Controlling and Safety Systems
- Engine Electricals
- Exhaust and Inlet Adaptors
- Air Filtration system
- Engine Cooling System
- Engine Mounting



G Series - Customer Benefits

- Highly Customizable engine package.
- Engine series extends from 38hp to 150hp - will soon extend to over 200hp.
- High Torque and Backup Torque - Improves engine response, equipment driveability.
- Stable performance across a wide RPM range.
- Low Noise Levels.
- Low Fuel and Oil Consumption.
- Clean & Future Ready - Meets BSII (CEV), Upgradeable to BSIII (CEV).
- Easy Serviceability and Commonality of parts.
- Greaves After Sales Service network of Dealers, Branch Offices and Regional Offices provides 24x7 support.



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Industrial Engines Division

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GREAVES
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GREAVES

G series

INDUSTRIAL DIESEL ENGINES

THE VERSATILE PRIME MOVER





G series Industrial Diesel Engines

The Greaves G Series – engines that are setting new benchmarks of productivity, reliability and performance.

The challenge posed by the environment and the demands of equipment manufacturers worldwide requires constant re-evaluation of engine technology. A result of an intense research work in the search of solutions for a market in constant evolution, the G Series brings to fore our commitment to a greener, quieter and a much more efficient power solution.

The design features of the G Series ensure their suitability for a wide variety of applications – where ever equipment is required to dig, pull, push, turn, carry, lift, pump or move, Greaves will be able to tailor a power pack solution exactly to the need.

The G series Advantage!

Designed for Quality

The introduction of the G Series has allowed for new levels of quality to be achieved. Starting with the basics of materials to predictive design techniques, from simplicity in design to progressing through extensive field trials, the G Series is made with Quality in mind.

A State of the art facility in Pune, a dedicated Research and Development Centre and people who understand customers needs ensure that the latest technologies are developed and adapted to deliver superior performance in terms of power, fuel consumption and emissions.

Power and Torque

Increasing equipment productivity is something that is first on our minds. The G Series with its improved power, torque and torque backup give excellent engine response, improved equipment drivability and more importantly stable performance across a wide performance RPM range.

It is here that the customer will find a comprehensive range of choice and flexibility on greaves engine so that it is delivered to you tailor made for your equipment.

Clean & Silent

The G Series meets current emission norms BS II (CEV) and is upgradeable to BS III (CEV) norms making it a perfect longstanding partner for your equipment.

In the G Series, Greaves has concentrated on reducing the basic noise map of the engines. From design changes in the combustion chamber to designing of a quieter front gear train, from using stiffened block structures to introducing a layer of water between the cylinder and block exterior – focused effort has been put into making a clean and a silent engine.

Rugged & Reliable

Durability, Ruggedness and Reliability were the key deliverables in mind when the G series was conceptualized. The G Series delivers on all of this and is made to operate in the harshest of conditions. A strengthened crankcase and stiffer cylinder blocks offer rigidity, where as the new balancer design reduces vibrations.

The G series engines have a modern layout, free from piping and hoses thus eliminating possible failure points. This makes it a perfect rugged and a reliable power pack for any equipment.



Design Features... The G SERIES

All engines in the Greaves G Series Range provide the following features and benefits.

- Individual Cylinder Heads :** economical and Easier to replace. No special tools are required. This facilitates major servicing without removed of engine from the equipment.
- Integral Oil Cooler:** The oil cooler is built into the engine block. Therefore there are no external leak paths and hoses resulting in improved reliability and ruggedness.
- Gear Driven Integral Water Pump:** A high speed, gear driven positive water pump enables belt free operation and eliminates a possible breakdown avenue.
- Deep Skirted Crankcase:** Makes the engine more durable and rugged. This makes the engine a perfect power pack for varied applications.
- Independent Twin Belt Fan Drive:** The Fan drive is mounted independent of the water pump and is driven by a twin belt system providing extended reliability.
- Wet Cylinder Liners:** This ensures ease of serviceability and dissipates heat faster than dry liners.
- Automotive Grade Gear Train:** This ensures that the G series has the most silent noise map in the business.
- Commonality of Spare Parts:** The entire range has common working parts. Less basic maintenance spares to store for user.

STANDARD G SERIES RATINGS

3G11 T	– 76 hp @ 2200rpm, 80hp @ 2500rpm.
4G11 T	– 108hp @ 2200rpm, 94 hp @ 1500rpm,
4G11 TW	– 144 hp @ 2200rpm
4G11 TA	– 125 hp @ 1500rpm, 135 hp @ 1800rpm

Ratings under continuous development.
Please contact GREAVES for other ratings.

Engine Model		3G11	4G11
Engine Configuration		In-line 3 Cylinder	In-line 4 Cylinder
Bore x Stroke	mm	105 x 130	
Displacement	cc	3375	4500
Combustion System		Direct Injection	
Aspiration Systems		Turbo Charged (T)	Turbo Charged (T) Turbo After-cooled (TW/TA)
Cooling System		Forced Water Cooled	Forced Water Cooled
Compression Ratio		16.2 : 1 (T)	16.2 : 1 (T, TW and TA)
Governing		Mechanical A1	
Length	mm	698 (T)	857 (T) / (TW) 875 (TA)
Width	mm	772 (T)	772 (T) / (TW) / (TA)
Height	mm	802(T)	845 (T) 860 (TW) / (TA)
Standard Lube Oil Sump Capacity	liters	8.5	10.5
Dry Weight	Kgs	390 (T)	465 (T) 485 (TW) / (TA)