



Enriching Lives

Power Ideas for you



Power, Performance, Peace of Mind.





About us...

Kirloskar Engines: Prime mover to the Indian nation.

Kirloskar Oil Engines Limited founded in 1946 and popularly known as KOEL is India's leading manufacturer of the finest and widest range of diesel engines – from 3 hp to 800 hp and from 2400 hp to 11000 hp. The Kirloskar engines are manufactured in both air-cooled and water-cooled version. Our engines (with annual manufacturing volumes exceeding 320,000 engines) are manufactured in a most eco-friendly environment in India at our Pune – Khadki, Kolhapur – Kagal, Rajkot, Nashik, Plants. The manufacturing plants are well equipped with most advance and high-tech machineries, having state of the art cutting edge technology for machining of all the critical components. Kirloskar engines are used as prime movers in Industrial, Agriculture, Power generation as well as Marine Applications.

The engine manufacturing facilities are continually upgraded and improved to ensure the requisite quality at competitive cost. Critical components like crankcases, crankshafts, camshafts, gear casing, cylinder heads and connecting rod are manufactured in-House. KOEL also manufactures for its exclusive use, Special Purpose Machines to achieve critical degrees of precision that international specifications demand.

We pursue highest quality adherence for zero defect

“The certification demonstrates our commitment to excellence”

- 🌿 ISO 9001 certification for Quality Management System since 1992 by ABS QE, Inc.
- 🌿 ISO/TS 16949:2002 for Quality Management System since 2007 by ABS QE, Inc.
- 🌿 ISO 14001 certification for Environment Management System since 1999 by TUV NORD.
- 🌿 OHSAS 18000:2007 certificate for Health, Safety & Environment since 2009 TUV NORD.

At Kirloskar, we believe that the industry and the environment can, and must, coexist in a mutually beneficial way. Bringing this thought into practice is what has driven us to manufacture the engine that are not only eco-friendly, but are also manufactured in an environment-friendly way.

Effective support to the product sold is available through the distributors selling the product. Trained technicians and availability of spares at the distributor locations helps minimize the engine downtime.

All pervasive IT in operations

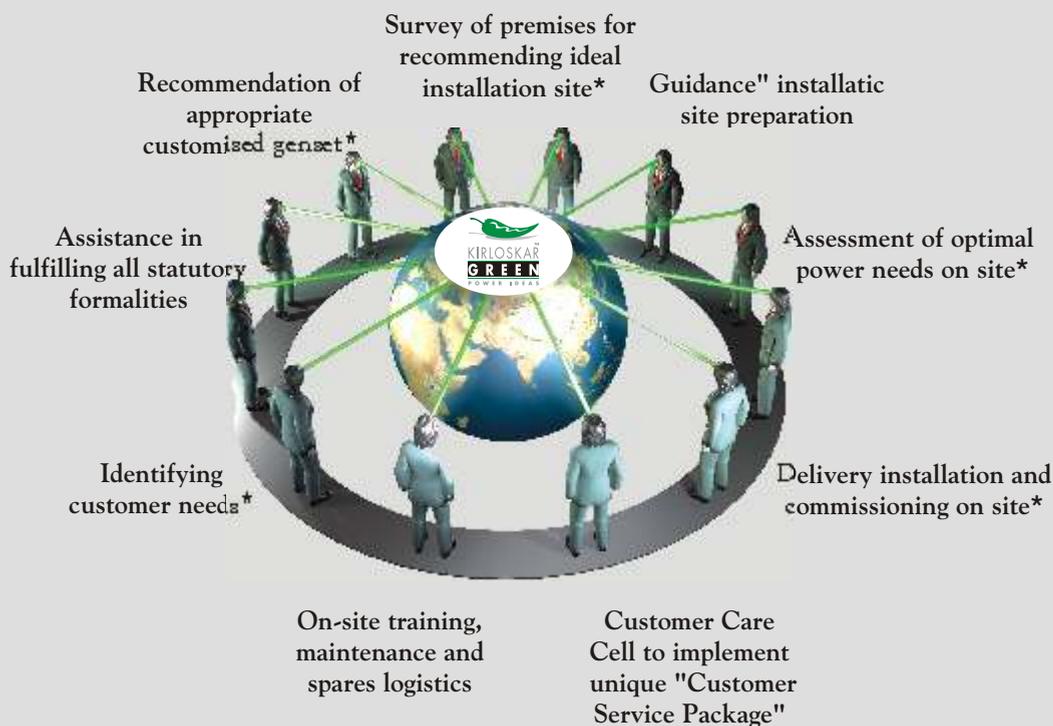
Having foreseen the power of the IT to transform the businesses, way back in 1998 KOEL installed the world's leading Enterprise-wide Solution (ERP) - Oracle®. This installation is noted to be one of the most comprehensive installations of Oracle in the manufacturing industry. The installation of ERP in 1998 was followed up with net enabled business processes in 2000. With this initiative, Kirloskar Service Dealers, OEM's, Area Sales Offices, Suppliers and the Logistic providers form a digital community that is ever ready to respond to each customer need efficiently.

The Service dealerships are able to respond to customer needs quickly and efficiently by accessing round-the-clock the latest service information and parts availability over the internet, 24 hours a day, 365 days a year, including a leap year.

Kirloskar Green Power Facts

- Fully integrated Gensets & Power systems to meet current & future needs of customers.
- Over 50,000 Kirloskar Green Gensets manufactured annually.
- Market leader with full range from 2.5 kVA to 8000 kVA.
- Dominant market share in Indian subcontinent.
- Increasing market share for Gensets in Middle East Asia and Africa.
- Large number of satisfied customers from Manufacturing, Software, Construction, Infrastructure and Telecom sector in 320 kVA to 600 kVA range.
- Every 2nd Genset in India is a Kirloskar Green Genset.
- Over 75,000 Gensets all over India help to run the Indian Telecom Network.
- More than 15,000 Gensets deployed along the Indian Borders providing reliable power to the Defense forces.
- Worlds largest selling brand (in 15 to 250 kVA)

Complete Kirloskar Green Power Ideas For You



* With assistance from channel partners

The Kirloskar Green Advantage

- Complete Power Ideas from Genset selection to Total Power Management.
- Multiple sets for higher kVA requirements.
- Air-cooled & water cooled engines.
- Aesthetically superior, compact, fully integrated, weather proof acoustic enclosures.
- Widest range of power offerings.
- Lowest operating costs and extremely reliable.
- State-of-the-art engine & genset control system.
- Ideally suitable for critical industries like Constructions, Manufacturing, Textile, Telecom, Services etc.
- Winner of the Frost & Sullivan Voice of Customer Award in the "Best Bang for Buck" category in the Indian Genset Market.
- Effective sales and service support in all countries of operations.

Products at a glance

✿ Kirloskar Air & Water Cooled Engines

Air Cooled Engines (HA Series)

- 15 to 65 kVA Range.
- 2, 3, 4 and 6 Cylinder configuration.
- High Reliability and low maintenance cost.
- Auto belt tensioning system, resulting in increased belt life.
- Modular Design, No external piping.
- Ease of Maintenance.

Water Cooled Engines (R Series)

- 15 to 125 kVA Range.
- Most rugged engine in 2, 3, 4 and 6 cylinder configuration. Specially designed for heavy duty application.
- Wet liner design ensures high reliability and low maintenance cost.
- Modular Design, No external piping.

Water Cooled Engines (SL Series)

- 160 to 250 kVA Range.
- 6 Cylinder, Most Compact 8.8 Ltr. engine series.
- Lowest power to weight ratio in its class.
- Low fuel and oil consumption.
- Wet liner design ensures high reliability and low maintenance cost.

Water Cooled Engines (K Series)

- 275 to 600 kVA Range.
- World renowned technology 6, 8, 10 and 12 cylinder configuration.
- Flat SFC curve from 50 to 100% loads, unmatched fuel economy and lowest generating cost.
- Electronic governor for Isochronous governing and paralleling operations.
- Modular construction, No external piping.
- Ease of Maintenance.



✿ Alternators

- Compact Brushless, Single Bearing Design.
- Best in Class Efficiency.
- Low vibration Levels.
- Positive voltage built-up.
- Special windings to reduce harmonics.
- State of the art, compact & high performance AVR.
- Epoxy gel coating to suit various environment conditions.

✿ Sound Attenuation Canopy

- Rugged design to withstand varying climatic conditions.
- Compact and aesthetically superior.
- Fully complying with internationally accepted sound norms.
- Fire retardant noise insulation material.

✿ Controls

- State of art engine and genset monitoring and safety system.
- Includes safety controls for low coolant temperature (for Water Cooled Genset) and high cylinder head temperature (for Air Cooled Gensets)

✿ Standard Scope of Supply

- Kirloskar diesel engine
- Compact Brushless, single bearing design alternator
- Formed base plate.
- Sound Attenuation Canopy. (for silent Genset)
- Powder coated sheet metal DG set control panel complete with in built digital control module for displaying voltage, current, frequency, hour run, lube oil pressure, temperature, MCB (below 45 kVA rating) or MCCB (45 kVA and above rating), wiring diagram pasted inside the panel.
- Fuel tank of capacity for 8hr running at 75% load complete with inlet spout strainer and fuel level indicator.
- 12V Electrical system up to 135 kVA rating, 24V electrical system for higher kVA rating.
- Automatic shut down incase of fault detection.



Technical Specifications of Standard Water Cooled Generating Sets :*

380V/415V, 3-ph, 50Hz, 0.8 pf @ 1500 rpm 220V/380V/440V, 3-ph, 60 Hz, 0.8 pf @ 1800 rpm

| Model | Engine Model | RPM | Continuous Rating | | Stand-by Rating | | Hz |
|------------|--------------|------|-------------------|-------------------------|-----------------|-----------------------|----|
| | | | Engine hp | Genset kVA (Prime duty) | Engine hp | Genset kVA (Stand-by) | |
| KG15W/WS | 2R1040 | 1500 | 27.0 | 15 | 29.7 | 16.5 | 50 |
| KG17.5W/WS | 2R1040 | 1500 | 27.0 | 17.5 | 29.7 | 19.3 | 50 |
| KG20W/WS | 2R1040 | 1500 | 27.0 | 20 | 29.7 | 22.0 | 50 |
| KG23W/WS | 2R1040 | 1800 | 30.0 | 23 | 33.0 | 25.0 | 60 |
| KG30W/WS | 3R1040 | 1500 | 42.0 | 30 | 46.2 | 33.0 | 50 |
| KG35W/WS | 3R1040 | 1800 | 46.0 | 35 | 50.6 | 38.5 | 60 |
| KG40W/WS | 4R1040 | 1500 | 56.0 | 40 | 61.6 | 44.0 | 50 |
| KG50W/WS | 4R1040 | 1800 | 62.0 | 45 | 66.0 | 49.5 | 60 |
| KG62W/WS | 4R1040T | 1500 | 83.0 | 62.5 | 91.3 | 68.8 | 50 |
| KG72W/WS | 4R1040T | 1800 | 90.0 | 72 | 99.0 | 79.2 | 60 |
| KG82W/WS | 4R1040TA | 1500 | 105.0 | 82.5 | 115.5 | 90.8 | 50 |
| KG87W/WS | 4R1040TA | 1800 | 112.0 | 87 | 123.2 | 95.7 | 60 |
| KG100W/WS | 6R1080T | 1500 | 127.0 | 100 | 139.7 | 110.0 | 50 |
| KG115W/WS | 6R1080T | 1800 | 148.0 | 115 | 162.8 | 126.5 | 60 |
| KG125W/WS | 6R1080TA | 1500 | 156.0 | 125 | 171.6 | 137.5 | 50 |
| KG135W/WS | 6R1080TA | 1800 | 171.0 | 135 | 188.1 | 148.5 | 60 |
| KG160W/WS | 6SL9088TA | 1500 | 198.0 | 160 | 217.8 | 176.0 | 50 |
| KG184W/WS | 6SL9088TA | 1800 | 226.4 | 184 | 249.0 | 202.4 | 60 |
| KG200W/WS | 6SL1500TA | 1500 | 248.0 | 200 | 272.8 | 220.0 | 50 |
| KG225W/WS | 6SL1500TA | 1800 | 279.0 | 225 | 306.9 | 247.5 | 60 |
| KG250W/WS | 6SL8800TA | 1500 | 310.0 | 250 | 341.0 | 275.0 | 50 |

Technical Specifications of Standard Air Cooled Generating Sets :*

380V/415V, 3-ph, 50Hz, 0.8 pf @ 1500 rpm 220V/380V/440V, 3-ph, 60 Hz, 0.8 pf @ 1800 rpm

| Model | Engine Model | RPM | Continuous Rating | | Stand-by Rating | | Hz |
|----------|--------------|------|-------------------|-------------------------|-----------------|-----------------------|----|
| | | | Engine hp | Genset kVA (Prime duty) | Engine hp | Genset kVA (Stand-by) | |
| KG15A/AS | HA294 | 1500 | 20.5 | 15 | 22.6 | 17.0 | 50 |
| KG17A/AS | HA294 | 1800 | 23.0 | 17 | 25.3 | 19.0 | 60 |
| KG25A/AS | HA394 | 1500 | 32.0 | 25 | 35.2 | 28.0 | 50 |
| KG30A/AS | HA394 | 1800 | 38.0 | 30 | 41.8 | 33.0 | 60 |
| KG35A/AS | HA494 | 1500 | 43.0 | 35 | 47.3 | 39.0 | 50 |
| KG40A/AS | HA494 | 1800 | 52.0 | 40 | 57.2 | 44.0 | 60 |
| KG45A/AS | HA494TC | 1500 | 56.0 | 45 | 61.6 | 50.0 | 50 |
| KG50A/AS | HA494 | 1800 | 65.0 | 50 | 71.5 | 55.0 | 60 |
| KG50A/AS | HA694 | 1500 | 65.0 | 50 | 71.5 | 55.0 | 50 |
| KG62A/AS | HA694 | 1800 | 78.0 | 62.5 | 85.8 | 69.0 | 60 |
| KG65A/AS | HA694TC | 1500 | 83.0 | 65 | 91.3 | 72.0 | 50 |
| KG75A/AS | HA694TC | 1800 | 98.0 | 75 | 107.8 | 83.0 | 60 |

* T / TC - Turbo charged
* TA - Turbo charged After cooled

*Notes:

- (a) Engine ratings are Gross rated outputs to IS-10002, BS-5514, DIN-6271, ISO-3046/1 standards as appropriate.
(b) Genset ratings are according to ISO 8528.
- For continuous ratings 10% overload is permitted for 1 hour in every 12 hours consecutive run.
- For stand-by ratings no further overload is permitted.
- KG...W/KG...A : Represents Open Type Gensets
KG...WS/KG...AS : Represents Silent Gensets.
- Power reduction : For ambient conditions (i.e altitude, air temperature, humidity) worse than the standard operating conditions, the engine output should be derated in accordance with relevant standards. Please consult KOEL for precise deration calculations.
- In case if the DG set is required for any specific application such as Telecom, AMF application, parallel operation, please consult KOEL.
- For any other voltage than specified, please consult Kirloskar Oil Engines Limited.

Worldwide presence of Kirloskar Green



- Afghanistan ■ Algeria ■ Angola ■ Benin ■ Brazil ■ Cambodia ■ Comores ■ Congo ■ Djibouti ■ Egypt ■ El Salvador ■ Ethiopia ■ Germany
- Ghana ■ Guatemala ■ Guinea ■ Honduras ■ Indonesia ■ Iran ■ Iraq ■ Italy ■ Jordan ■ Kenya ■ Kuwait ■ Lao PDR ■ Lebanon
- Liberia ■ Malawi ■ Maldives ■ Mauritius ■ Morocco ■ Myanmar ■ Namibia ■ Nepal ■ Nigeria ■ Oman
- Panama ■ Qatar ■ Saudi Arabia ■ Seychelles ■ South Africa ■ Spain ■ Sri Lanka ■ Sudan
- Syria ■ Tanzania ■ UAE ■ Uganda ■ UK ■ USA (Florida)
- Vietnam ■ Zambia



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