



Enriching Lives

KIRLOSKAR GENERATING SETS



For All Your
Power Needs



KIRLOSKAR OIL ENGINES LIMITED





Kirloskar Oil Engines Limited

Engineering Excellence



Kirloskar Oil Engines Limited (KOEL), head quartered in Pune, India, has global presence serving industries such as Power Generation, Tractors, Construction, Earth Moving, Mining, Material Handling, Automotive and Agriculture.

Kirloskar Oil Engines Limited is India's largest diesel engine manufacturer. The integrated design, manufacturing and service facility of the company makes it a formidable player in the genset and engine manufacturing industry.

The superior quality products are supported by a team of over 2,500 highly qualified professionals.

Product Range:

- Engines
- Generating Sets
- Pumpsets
- Engine Bearings and Engine Valves

Manufacturing & Design Capability



KOEL has the ability to conceptualize, design, develop, manufacture and supply a wide range of power generating products. The designs are benchmarked with the best in the global Industry.

Techniques such as concurrent engineering and rapid prototyping are employed to comprehensively address speed and quality of design. Latest development tools such as ProE, 3-D Solid Modeling, FEA, Ansys are employed.

Our Emission Centre ensures a high level of performance efficiency in our products. Major components of a genset - Engine, Control system and Canopy- are designed and manufactured in-house.

Kirloskar Generating Sets are used for various continuous and stand-by power applications, which includes, infrastructure, domestic and commercial establishments, hospitals, shopping malls, etc. Our Gensets are also used in the industrial sector for various manufacturing units, cold storages and other such continuous power applications.



Kirloskar Genset

A Prime Mover to the Telecom Industry



Kirloskar Generating Sets power Cellular telecommunication in Africa, Middle East, South East Asia and Indian Sub-continent.

Kirloskar Generating Sets have been approved by major Telecom Equipment manufacturers for use with their BTS equipment. These sets power over 60% of the telecommunication exchanges in India.

Our superior products are supported by customized solutions to suit local needs and efficient after sales service. Training is provided to customers' technical teams to ensure that the downtime is minimum.

Standard Scope of Supply

- Engine & Alternator close coupled, mounted on a heavy-duty steel base with Anti Vibration mountings.
- Control panel c/w On/Off switch, voltmeter, ammeter Lube oil pressure and water temp gauge, electronic hour meter and MCB/MCCB.

Engine

- Kirloskar Oil Engines make water cooled diesel engine
- High engine temp and low oil pressure shut down system
- Lubricating oil and fuel filters
- Fuel lift pump
- Exhaust silencer (industrial type)
- 12V / 24V electric start

Alternator

- Single bearing, 4-pole brush less type complying with BS500 Part 99 & IEC 34.
- Solid state AVR with $\pm 1\%$ voltage regulation as standard
- Screen protected and drip proof enclosure
- Class "H" insulation on rotor and stator.

Optional

- Weather proof/ Sound proof canopy (including Residential silencer)
- Basic tool kit
- Remote monitoring through GSM
- Automatic mains failure , ATS panel
- Microprocessor based Genset controlling

Technical Specifications of Generating Set

380V/415V, 3-ph, 50 Hz, 0.8 p.f. @ 1500 rpm

Model	Prime Rating		Stand-by Rating		ENGINE			
	kVA	kW	kVA	kW	Type	Consumption*	Bore X Stroke(mm)	Capacity (cc)
KGW15	15.0	12	16.50	13.2	2R1040	3.80	105 X 120	2080
KGW17.5	17.5	14	19.00	15.2	2R1040	3.90	105 X 120	2080
KGW20	20.0	16	22.00	17.6	2R1040	3.90	105 X 120	2080
KGW30	30.0	24	33.00	26.4	3R1040	6.00	105 X 120	3120
KGW45	45.0	36	50.00	40.0	4R1040	8.00	105 X 120	4160
KGW62	62.5	50	70.00	56.0	4R1040T	11.50	105 X 120	4160
KGW82	82.5	66	90.75	72.6	4R1040TA	14.00	105 X 120	4160
KGW100	100.0	80	110.00	88.0	6R1080T	18.25	106 X 120	6495
KGW125	125.0	100	140.00	112.0	6R1080TA	22.00	106 X 120	6495
KGW160	160.0	128	178.00	142.4	SL9088TA	25.70	118 X 135	8860
KGW200	200.0	160	220.00	176.0	SL1500TA	30.90	118 X 135	8860
KGW250	250.0	200	275.00	220.0	SL8800TA	38.48	118 X 135	8860

* Consumption in lt/hr at 75% load, tolerance of +5%

T - Turbo charged

TA - Turbo charged After cooled

All above specifications are subject to change without prior notice.

Notes :

- 1(a) All above engine ratings are gross rated outputs to IS-1002, BS-5514, DIN-6271, ISO-3046/1 standards as appropriate.
- 1(b) All genset ratings are according to ISO-8528.
2. For continuous ratings 10% overload is permitted for 1 hour in every 12 hour consecutive run.
3. For standby ratings no further overload is permitted.
4. Power reduction : For ambient conditions (i.e. altitude, air temperature, humidity) other than the standard operating conditions, the engine output should be derated in accordance with relevant standards. Please consult local office for precise derating calculations.
5. In case the DG set is required for any specific application such as telecom, parallel operation, please consult local office.
6. For any other voltage other than specified, please consult local office.

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Authorized Distributor



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