

kirloskar
powergen

10 - 25 kVA
50 Hz GENSET



BETTER POWER
FOR A

limitless

T O M O R R O W

10- 25 kVA TECHNICAL SPECIFICATIONS

Prime Rating at rated rpm (as per ISO 8528)		kVA	10	15	20	25
		kW	8	12	16	20
Genset Model		-	GK4-10WS	GK4-15WS	GK4-20WS	GK4-25WS
Frequency		Hz	50			
Power Factor		Lagging	0.8			
Voltage		V	230 (1Ø) & 415 (3Ø)			
Governing class (As per ISO 8528 Part-V)		-	G2			
Noise level @ 1 m		dBA	<75			
Fuel Consumption*@	100% Load	Ltrs/hr	2.86	4.37	4.98	5.2
	75% Load		2.1	3.2	3.8	4.2
	50% Load		1.5	2.4	2.7	3.2
Fuel tank capacity (Standard DG set)		Ltrs	28	40	40	45
✚Weight of genset with canopy (approx.)^	Dry	Kg	488	550	550	595
	Wet (w/o fuel)	Kg	500	560	560	610
Overall dimensions of genset ^	Length	mm	1670	1940	1940	2129
	Width	mm	757	905	905	950
	Height	mm	1050	1100	1100	1261
Electrical Battery Starting Voltage (DC)		V	12			

ENGINE

Engine Model	-	2GK550NA 4Sr1	3GK550TC 4Sr2	3GK550TC Sr1	3GK550ETA 4Sr1
Rated output (Prime Continuous rating as per ISO 8528-1)	kW	10.5	15.4	18.8	26.5
	HP	14.08	20.65	25.21	35.53
Cooling system	-	Water Cooled			
No. of cylinder	No.	2	3	3	3
Cubic capacity	Ltrs	1.09	1.64	1.64	1.64
Bore x Stroke	mm	86x94	86x94	86x94	86x94
Rated Speed	RPM	1500			
Aspiration	NA/TC /TA	NA	TC	TC	TA
Lube Oil change period	hrs.	500			
Lube oil Sump Capacity (max)	Ltrs	5.95	5.95	5.95	5.95
Coolant Capacity (Engine + radiator)	Ltrs	5.25	6	6	6

ALTERNATOR

Insulation Class	-	H			
Alternator Efficiency (at 100% load) 0.8 pf**	%	82.6	85.2	88.6	88.9
Max Voltage Dip at Full Load 0.8 pf Lag	-	<20%			
Max Time to build up rated voltage at Rated RPM	-	< 2 sec provided engine reach the rated speed			

Conformance Standards: ISO 3046 | IS 1460 | ISO 9001 | ISO 8528 | IEC 60034-1

NOTES
 * With 0.845 Specific Gravity of diesel (5% Tolerance)
 @ These weight are for handling & transportation only
 ^ Tolerance Apply
 # Hand Cranking starting system
 ** Efficiency of Alternator as per standards IEC:60034-1

Above specifications are subject to change without prior notice due to continuous technical development.
 For intermediate ratings, kindly contact nearest Kirloskar office.
 For Site Conditions other than standard operating conditions consult Kirloskar Oil Engines for available prime power.
 KRM is additional scope



7 Easy steps for a happy Genset Ownership

- Insist on a load-study
- Select the Genset rating as per the load-study and with sufficient margin for future load expansion
- Apply site-selection guidelines carefully
- Insist on installation in line with Kirloskar guidelines
- Ensure adequate size and proper connection of cables
- Understand the Genset operation & maintenance procedures during commissioning
- Follow routine maintenance protocols through authorised Kirloskar service dealers

10 - 25 kVA FEATURES



Prime rating and Stand-by rating

'Prime power' is designed for Unlimited hours, as compared to 'Emergency stand-by' designed for 200 hours in a year. Prime rated Gensets also permit 10% temporary overloading. Kirloskar offers Prime power as a standard offer. Contact Kirloskar Oil Engines for stand-by ratings.



No replacement to displacement

Engine capacity (cc) plays a vital role in Genset performance. Higher engine capacity leads to a robust and stable Genset performance. Higher engine capacity also enables the Genset to respond quickly & positively to sudden load additions.



Reliability You Can Trust. Performance That Lasts.

Kirloskar Gensets are engineered for extreme durability and long-term value. Our engine range features proven engine platforms enhanced for better on-site serviceability and even greater toughness. Enjoy years of trouble-free power, backed by world-class support and lowest cost of ownership.



Best Fluid Efficiency (Fuel)

Kirloskar Gensets offer enhanced fuel efficiency extends to substantial savings in fuel cost with Optimal Operating Efficiency



Alternator Features:

Kirloskar Alternator is compact in design, rugged and best in class efficiency. Advanced Digital AVR improves the Voltage regulation and Response time.



State of the art Genset Controller

Micro-processor based Genset controllers display a host of genset parameters and put all controls at your fingertips.

Monitoring Features:

- Phase Voltages & Currents, Frequency, Genset kVA, kW, kWh, kVAr, Power Factor
- Engine Temperature, RPM, Run Hours, Number of starts, Fuel Level, Auto / Manual Stop, Battery charge condition, AMF feature at your fingertips.

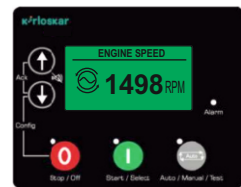
Diagnostic Features:

- Battery charging failure, Over/Under speed, Over Current, Over/Under Voltage, Over kW, Phase Seq., Phase missing, Mains Under voltage, Low fuel level
- Low Lube oil Pressure Switch, High Engine Temperature, Low/High battery voltage, Over Crank protection, Routine maintenance indicator, Genset Test Facility, Mains Frequency

Optional Features:

- Modbus Communication

Controller Models :
KG640C & KG645C



Inbuilt Silencer

- Inbuilt Silencer support for Noise level
- Good in Aesthetic
- Space saving



Controller

- Microprocessor based
- Graphical LCD display
- Best in class monitoring and diagnostic capability
- Integrable with AMF, Communication compatible

Engine

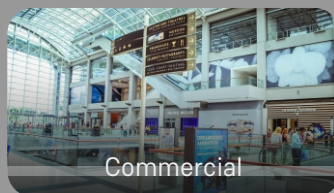
- Efficient System
- O2E Series: Low emission, high efficiency engine
- Compact, Robust and Rugged Design
- 500 hours lube-oil change period

Base Frame

- High Quality Material



Hospitality



Commercial



Villas



Small Business



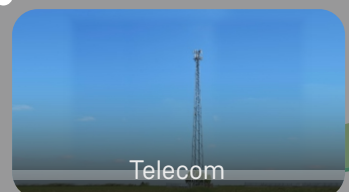
Retail Stores



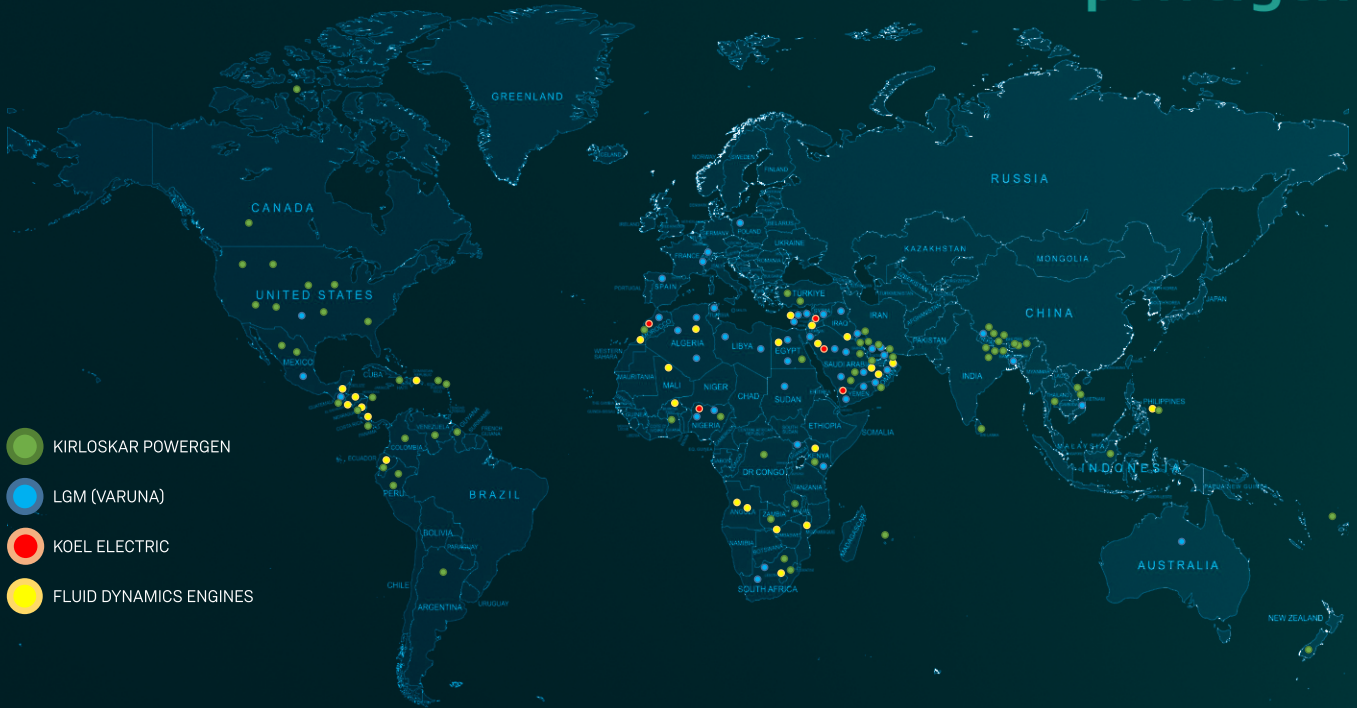
Rural Housing



Hospital



Telecom



SHAPING THE FUTURE.
DELIVERING POWER TO OVER 60+ COUNTRIES.

INGENIOUS DESIGN.
UNMATCHED PERFORMANCE.

KIRLOSKAR OIL ENGINES LIMITED

A Kirloskar Group Company

Regd. Office: 13, Laxmanrao Kirloskar Road,
Khadki, Pune, Maharashtra 411 003
INDIA



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Tel: +91 (20) 2581 0341

koel.sales@kirloskar.com

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