

kirloskar
powergen

7.5-25 kVA

CPCB IV+
COMPLIANT

INDIA'S LARGEST
FLEET OF GENSETS



BETTER POWER
FOR A

limitless

T O M O R R O W

7.5 - 25 kVA TECHNICAL SPECIFICATIONS

Prime Rating at rated rpm (as per ISO 8528)		kVA	7.5	10	12.5	15	15	20	25
		kW	6	8	10	12	12	16	20
Genset Model		-	KG4-7.5SAS1	KG4-10WS	KG4-12.5AS	KG4-15AS1*	KG4-15WS	KG4-20WS	KG4-25WS
Frequency		Hz	50						
Power Factor		Lagging	0.8						
Voltage		-	230 (1Ø) & 415 (3Ø)						
Governing class (As per ISO 8528 Part - V)		-	G2						
Noise level at 1m with genset canopy		dBA	<75						
Fuel tank capacity (Standard DG set)		Ltrs	50	28	36	32	40	40	45
Weight of genset with canopy (approx.) ^a	Dry	Kg	620	488	890	890	550	550	595
	Wet (w/o fuel)	Kg	670	500	922	922	560	560	610
Overall dimensions of genset ^A	Length	mm	1310	1670	1807	1807	1940	1940	2129
	Width	mm	810	757	1050	1050	905	905	950
	Height	mm	1600	1050	1408	1408	1100	1100	1261
Electrical Battery Starting Voltage		Volts-DC	12						

ENGINE										
Engine Model	-	EA10NA 4G1	2GK550NA 4SR1	HA294NA 4G1	HA294NA 4G1	3GK550TC 4SR2	3GK550TC 4SR1	3GK550TC 4SR1	3GK550ETA 4SR1	
Rated output (Prime Continuous rating as per ISO 8528-1)	kW	7.3	10.5	15.1	15.1	15.4	18.8	18.8	26.5	
	HP	10	14.08	20.5	20.5	21	25.5	25.5	36	
Cooling system		Air cooled	Water Cooled	Air cooled	Air cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	
No. of cylinder	Number	1	2	2	2	3	3	3	3	
Cubic capacity	Ltrs	0.95	1.09	1.88	1.88	1.64	1.64	1.64	1.64	
Bore x Stroke	mm	102 x 116	86 x 94	100 x 120	100 x 120	86 x 94	86 x 94	86 x 94	86 x 94	
Rated Speed	RPM	1500	1500	1500	1500	1500	1500	1500	1500	
Aspiration	NA/TC/TA	Naturally Aspirated								
Lube Oil change period	hrs.	500	500	500	500	500	500	500	500	
Lube oil Sump Capacity (max)	Ltrs	5	5.95	5	5	5.95	5.95	5.95	5.95	
Coolant Capacity (Engine + radiator)	Ltrs	NA	5.25	NA	NA	6	6	6	6	
Adblue/ DEF capacity	Ltrs	NA								

ALTERNATOR										
Insulation Class	-	Class H								
Alternator Efficiency (at 100% load) 0.8 pf**	%	78.1	82.6	85	85.2	85.2	88.6	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 0.8% Specific Gravity of diesel (5% Tolerance)
 ** For Site Conditions other than standard operating conditions consult Kirloskar Oil Engines for available prime power.
 * Tolerance Apply
 # Based on standard starting system
 # Efficiency as per standards IEC 60034-1

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



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.

7.5 to 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.



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
 Kirloskar Genset put the command in your hands. Microprocessor based Genset controllers display a host of genset parameters and put all controls at your fingertips.



Controller Models:
 KG64CC, KG64CH & KG645C

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

Glimpses
CPCB IV+
Genset (7.5 - 25 kVA)



Inbuilt Silencer

Inbuilt Silencer support for Noise level
Space saving

Engine

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

Controller

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

Base Frame

High Quality Material



Commercial



Hospitality



Small Business



Hospital

APPLICATIONS



Telecom



Rural Housing



Retail Stores



Villas

Anubandhan IV+

Unlock complete care for your
CPCB IV+ Diesel Genset



Refuel and Relax

Complete coverage for 5 years or 6000 hours*



Complete Range of Gensets

All-inclusive maintenance for gensets from 7.5 to 750 kVA



Optimised (TCO) Cost of Ownership

Considerable savings in maintenance cost over the period of 5 years



24x7 Support

Dependable 24x7 support for prompt resolution of breakdowns and major issues



Flexibility of Subscription

Customized package available at pre-commissioning & post-commissioning of genset



Customised Package

Packages designed as per genset running hours



One-Time Payment

Covers all services and spares for your DG set



Assured Genuine Spares and Services

Usage of Genuine Kirloskar spares serviced by Trained and Certified engineers.

* Whichever is earlier



5 YEARS
Extended Warranty*

For 5 critical components

*Condition Apply



SHAPING THE FUTURE.
DELIVERING POWER TO OVER 50+ 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
Fax: +91 (20) 2581 3208, 2581 0209
Helpline: +91 8806 33 44 33
koel.sales@kirloskar.com

Stamp of
Authorised
Representative