

**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	10	12.5	15	15	20	25	
	kW	6	8	8	10	12	12	16	20	
Genset Model	-	KG4-7.5SAS1	GK4-10WS	KG4-10AS1	KG4-12.5AS	KG4-15AS1#	GK4-15WS	GK4-20WS	GK4-25WS	
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 1 m with genset canopy	dBA	<75								
Fuel tank capacity (Standard DG set)	Ltrs	50	28	32	36	32	40	40	45	
Weight of genset with canopy (approx.)^	Dry	Kg	620	488	950	890	890	550	550	595
	Wet (w/o fuel)	Kg	670	500	1000	922	922	560	560	610
Overall dimensions of genset ^	Length	mm	1310	1670	1807	1807	1807	1940	1940	2129
	Width	mm	810	757	1050	1050	1050	905	905	950
	Height	mm	1600	1050	1408	1408	1408	1100	1100	1261
Electrical Battery Starting Voltage	Volts-DC	12								

## ENGINE

Engine Model	-	EA10NA 4G1	2GK550NA 4Sr1	HA294NA 4G1	HA294NA 4G1	HA294NA 4G1	3GK550TC 4Sr2	3GK550TC 4Sr1	3GK550ETA 4Sr1
Rated output (Prime Continuous rating as per ISO 8528-1)	kW	7.3	10.5	15.1	15.1	15.1	15.4	18.8	26.5
	HP	10	14.08	20.5	20.5	20.5	21	25.5	36
Cooling system		Air cooled	Water Cooled	Air cooled	Air cooled	Air cooled	Water Cooled	Water Cooled	Water Cooled
No. of cylinder	Number	1	2	2	2	2	3	3	3
Cubic capacity	Ltrs	0.95	1.09	1.88	1.88	1.88	1.64	1.64	1.64
Bore x Stroke	mm	102 x 116	86 x 94	100 x 120	100 x 120	100 x 120	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					TC	TC	TA
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	5.95	5.95	5.95
Coolant Capacity (Engine + radiator)	Ltrs	NA	5.25	NA	NA	NA	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	82.6	85	85.2	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  
 # 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 Site Conditions other than standard operating conditions consult Kirloskar Oil Engines for available prime power.

· For intermediate ratings, kindly contact nearest Kirloskar office.  
 · KRM is optional scope

# 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.



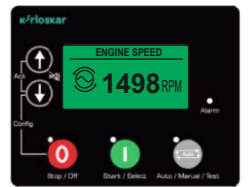
**Best Fluid Efficiency (Fuel)**  
 Kirloskar Gensets offer enhanced fuel efficiency extends to substantial savings in fuel cost with Optimal Operating Efficiency



**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 : KG640C, KG640H & 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

## 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.



Glimpses  
**CPCB IV+**  
Genset (7.5 - 25 kVA)

**Inbuilt Silencer**

Inbuilt Silencer support for Noise level  
Space saving

**Engine**

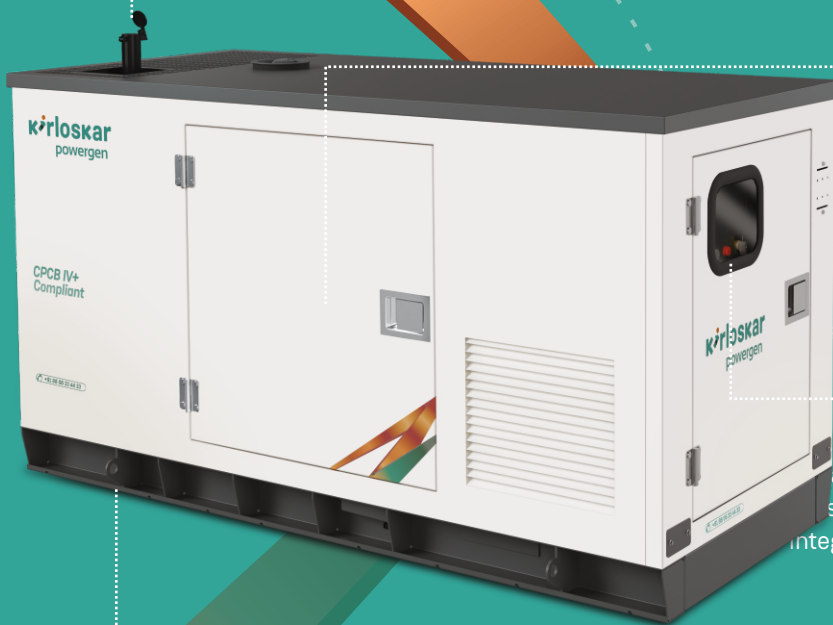
Efficient System  
E Series • Low emission, high efficiency engine  
Compact, Robust and Rugged Design  
100 hours •ube-oil change period

**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<sup>#</sup>



### 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.

<sup>#</sup> 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

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INDIA



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T O M O R R O W



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Stamp of  
Authorised  
Representative