

**ḳrloskar**  
powergen

15 - 250 kVA

# DEDICATED NATURAL GAS GENSET



**CPCB IV+  
COMPLIANT**

**INDIA'S LARGEST  
FLEET OF GENSETS**

Complying to India's  
Latest Emission Norms

**BETTER POWER  
FOR A**

*limitless*

**T O M O R R O W**

BETTER POWER  
FOR A

*limitless*

T O M O R R O W

A RICH HERITAGE OF OVER A CENTURY OF  
ENGINEERING EXCELLENCE.

Kirloskar power generating sets prioritize user experience, delivering exceptional features and benefits. Streamlined installation and enhanced dependability to expedited service, reduced maintenance costs, and optimized performance.

Kirloskar Powergen sets itself apart with groundbreaking engineering that establishes new industry benchmarks.



*limitless* POTENTIAL, SUSTAINABLE PRACTICES

Our state-of-the-art manufacturing facility embodies our commitment to sustainable practices. We partner with nature to power the facility itself, transforming waste into valuable resources. This focus on sustainability inspires both our workforce and surrounding communities. It's here, where cutting-edge technology meets exceptional skills, that we engineer solutions to empower limitless possibilities.



Discover our Plant with a  
QR Code Scan.

## Specification Data of Gas Generator

Prime Rating at rated RPM (as per ISO8528)		kVA	15 (ESP)	30	58.5	125	250
		kW	12	24	46.8	100	200
Genset Model			<b>KG1-15AS NG1</b>	<b>KG4-30 WS NG1</b>	<b>KG1-62.5WS NG1</b>	<b>KG1-125WS NG1</b>	<b>KG1-250WS NG1</b>
Frequency		Hz	50				
Power factor		lagging	0.8				
Voltage		V	230 (1Ø) & 415 (3Ø)	230 (1Ø) & 415 (3Ø)	415 (3Ø)		
Steady-state Governing class (As per ISO 8528-5)			G3				
Noise level @ 75% rated load		dBA	< 75 @ 1 metres				
Fuel consumption*	At 100 % Load	SCM	4	9.1	15.5	29.3	58.8
	At 75 % Load		3.5	7.1	12.5	23.2	47.2
	At 50 % Load		3.1	5.5	9.9	17.8	35.7
Inlet Gas pressure requirement		Min (Bar)	1	1	0.5	0.5	1
		Max (Bar)	4	4	4	4	4
Weight of genset with canopy (approx.) <sup>^</sup>	Dry	Kg	850	1100	2500	3600	5700
Overall dimensions of genset <sup>#</sup>	Length	mm	1740	2550	3325	3750	5100
	Width	mm	1050	1122	1225	1500	2000
	Height	mm	1410	1410	1800	1980	2410
Electrical battery starting voltage		Volts-DC	12	12	12	24	24
<b>ENGINE</b>							
Engine Model			<b>HA294 NG1</b>	<b>3R1040NG1</b>	<b>6R1080 NG1</b>	<b>SL90TA NG1</b>	<b>DV8TA NG1</b>
Rated output <sup>§</sup>	kW		15.1	30.1	61	114.7	228
	HP		20.5	42	83	156	310
No. of cylinder	Number		2	3	6	6	8
Cubic capacity	Ltrs.		1.89	3.1	6.49	8.86	15.92
Bore x Stroke	mm		100 x 120	105X20	105 x 125	118 x 135	130 x 150
Rated speed	RPM		1500				
Aspiration	NA/TC/TA		NA	NA	NA	TA	TA
Lube Oil change period	hrs.		500				
Lube oil sump capacity	Ltrs.		5	9	17	27	46
Coolant capacity	Ltrs.		NA	14	25	30	30
<b>ALTERNATOR</b>							
Insulation Class			Class H				
Alternator efficiency (at 100% load) 0.8 pf		%	86	82.2	91	92.5	92.5
Max voltage dip at full load 0.8 pf lag			< 20 %				
Max time to build up rated voltage at rated RPM			< 5 sec provided engine reach the rated speed				

Prime Rating at rated RPM (as per ISO8528)

The maximum power of engines is declared at NTP conditions and an appropriate deration factor will be applicable with respect to Natural Gas genset site altitude and ambient air conditions. The effect of the fuel quality should also take into account on performance. i.e. Methane %: Min 88% & Calorific Value of Fuel: Min 8500 Kcal/m<sup>3</sup>

■ \* A tolerance of +/- 5% will applicable as per IS 8528 Standard. ■ # Dimensions are approximate and vary with options. ■ ^ Genset weight tolerance 50 Kg ■ SB- Standby SCM- Standard Cubic Meter

Minimum 70 methane number required Above specifications are subject to change without prior notice due to continuous technical development.



- Ready to use Genset – Plug & Play
- Compliant to latest CPCB norms
- Clean & Safe fuel
- Lower Operating cost
- No storage of fuel
- No handling / transportation of fuel. Online & Metered.
- Constant fuel quality & No adulteration.
- Electronic ECU & Carburation system
- Remote monitoring system
- 1 year / 3000 hours warranty on complete Genset

# Genset kVA 15-250 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. Users need to carefully select the Genset rating to meet their requirement. Kirloskar offers Prime power as a standard offer. Contact Kirloskar for stand-by ratings.



## Genset Monitoring at Your Finger Tips

Kirloskar gensets are enabled with Kirloskar remote monitoring system which shares Real Time Genset information and location services. It can be accessed via mobile device or desktop. Kirloskar remote monitoring system also highlights any parameter which needs special attention. These critical indication alerts are sent to user mobile via text message. It also alerts nearest services dealer in case of any emergency break-down.



***Ask your Dealer for KRM login details & password***



## On Board Diagnostics

Superior uptime. Genset comes with advanced diagnostic capabilities, this coupled with Kirloskar remote monitoring system provides real time monitoring of performance, emission and service critical parameters this helps for early diagnosis to fix the issues before system breakdown



## Peace-of-mind Ownership

Kirloskar Gensets have always been preferred for their robust design and reliability over long usage life. Kirloskar range carries the confidence of well-established and proven engine platforms. For compliance to revised CPCB norms, Kirloskar has carefully selected those technologies which not only retain, but enhance Gensets durability and on-site serviceability.

Thus, Kirloskar Gensets offer you many years of trouble-free performance; backed by the assurance of prompt support. Peace-of-mind driven by product reliability and low cost of ownership.



## Alternator Features

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



## Compact footprint

Kirloskar CPCB compliant Gensets are having compact footprint which results in space saving. CPCB compliant technology is upgraded by maintaining the compact footprint of Genset.

## THE VERSATILE POWER GENERATOR SOLUTION



FOOD INDUSTRY



HEALTHCARE



HOSPITALITY



MANUFACTURING



REAL ESTATE

# Glimpses CPCB IV+ Natural Gas Genset (15-250 kVA)

## Engine

- Fully Electronic controlled Engine
- Higher Cubic capacity results higher block loading
- Electronic carburation system for correct AFR
- Efficient HT Coil & Spark plugs for precise ignition
- Best in class fuel efficiency

## Exhaust System

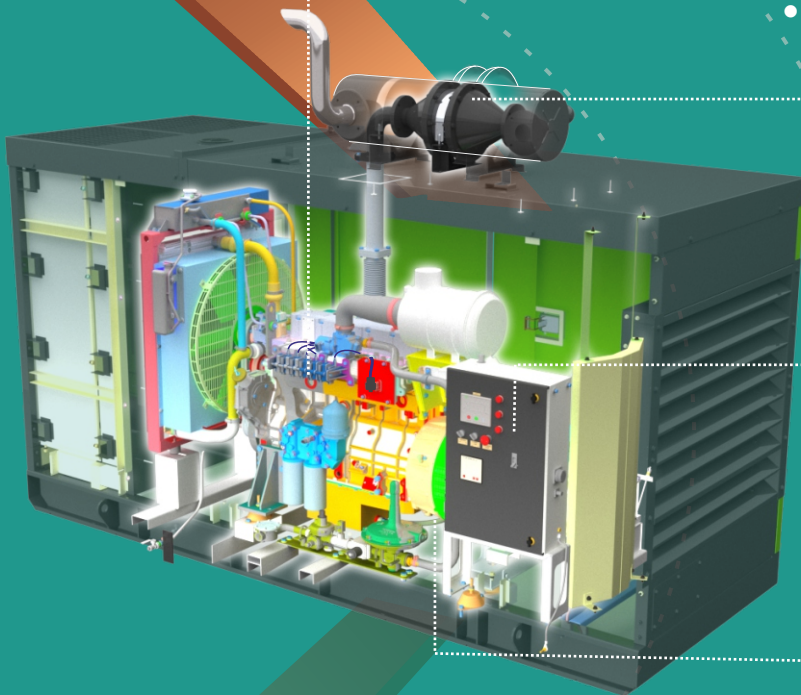
- In built catalytic convertor as standard scope
- Residential silencer with Protection cover
- Latest CPCB compliant exhaust System

## Controller

- Microprocessor based KG 645 controller
- Graphical LCD display
- Best in class Monitoring & diagnostic capability
- Integrable with AMF & Communication compatible

## Gas Train

- CPCB approved Gas train inside acoustic enclosure
- Consist of Gas filter, Solenoid & PRVs.
- Designed & developed to suit for genset application



# EFFICIENCY. INTEGRATED

## A KIRLOSKAR PROMISE

### Efficient Products

- India's first IoT enabled digital genset
- Designed for convenient user experience
- Best-in-class fuel efficiency delivered
- Compact design & long life product
- Optimized consumption of lubricant oil
- Optimized total cost of ownership (TCO)
- All products tested before delivery



### Efficient Solutions

- Load sizing for every single genset order
- One stop power back-up solutions
- Serves complete application gamut
- Highly trained & experienced team
- Non-conventional solutions (bio-diesel)
- Specific solution for harsh environments
- Exhaust mgmt., foundation, cabling etc.

### Efficient Service

- India's widest service dealer network
- Kirloskar connect-self-service application
- eFSR-Electronic field service report
- Over 6000 trained service engineers
- Over 600,000 machines under care
- 98%+ parts available at each outlet
- Flexible & economical AMC-Bandhan



### Efficient Network

- Consistent, reliable & long-established
- 250+ expert touch points across India
- 500+ solution oriented professionals
- Uniform customer experience across
- Central system for enquiry to PRF
- Fair trade practices & Price transparency

### Efficient Deliveries

- Cost-effective deliveries guaranteed
- Assured 7-day delivery of gensets
- Supports project management system
- Reduced working capital for customer
- Award-winning replenishment model
- Assurance of FRESH products always



### Efficient 24x7 Care

- 24x7 operational customer care centre
- Team of over 70 trained & focused exec.
- Tracking every service request till closure
- Centrally maintained CRM for all requests
- Satisfaction call after every SR closure
- Central sales lead tracking system
- Continuous NPS and CDI measurement

We offer products for every segment & take part in the India's growth story.



Infrastructure



Industry



IT/ITES



Hospitality



Health



Realty



Government



Logistics

**kirloskar**  
Oil Engines



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