kirloskar
powergen

7.5-20 kVA

CPCBIV+ COMPLIANT

INDIA'S LARGEST FLEET OF GENSETS

BETTER POWER
FOR A

limitless

TOMORROW


BETTER POWER
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limitless
TOMORROW

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.

7.5-20 kVA TECHNICAL SPECIFICATIONS

Prime Rating at rated rpm (as per ISO8528)		kVA	7.5	10	15	20
		kW	6	8	12	16
Genset Model			KG4-7.5WS1	KG4-10WS1	KG4-15WS1	KG4-20WS1
Frequency		Hz	50			
Power Factor		lagging	0.8			
Voltage		V	230 (1Ø) & 415 (3Ø)			
Governing class (As per ISO 8528 Part-V)			G2			
DG set Noise level at 1 meter		dBA	<75 (Genset with canopy)			
Fuel tank capacity (Standard DG set)		Ltrs	28	32	32	40
✪Weight of genset with canopy (approx..)^	Dry	Kg	545	585	605	680
	Wet (w/o fuel)	Kg	550	590	610	690
Overall dimensions of genset ^	Length	mm	1600	1800	1850	2180
	Width	mm	760	760	760	905
	Height	mm	1050	1050	1050	1150
Electrical Battery Starting Voltage		Volts-DC	12			

ENGINE

Engine Model		2R550NA 4G1	3R550NA 4G1	3R550TC 4G1	3R550TA 4G1
Rated output (Prime Continuous rating as per ISO 8528-1)	kW	7.9	11	15.4	18.8
	HP	10.74	15	20.9	25.5
Cooling system		Liquid			
No. of cylinder	Number	2	3	3	3
Cubic capacity[2]	Ltrs	1.09	1.65	1.65	1.65
Bore x Stroke	mm	86 x 94	86 x 94	86 x 94	86 x 94
Rated Speed	RPM	1500			
Aspiration	NA/TC/TA	NA	NA	TC	TA
Lube Oil change period	hrs.	500			
Lube oil Sump Capacity (max)	Ltrs	3.8	5.95	5.95	5.95
Coolant Capacity (Engine + Radiator)	Ltrs	3.4	3.78	4.2	5

ALTERNATOR

Insulation Class		Class H			
Alternator Efficiency (at 100% load) 0.8 pf**	%	82.4	80.3	85.2	88.6
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			

^ Tolerances Apply
✪ These Weight are for handling & transportation only
** Efficiency of Alternator as per standards IEC60034-1

Notes
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.

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 carfully
- Insist on installation in line with Kirloskar guidelines
- Ensure adeqate size and proper connection of cables
- Understand the Genset operation & maintenance procedures during commissioning
- Follow routine maintenance protocols through authorised Kirloskar service dealers

Genset kVA 7.5 to 20 kVA Features

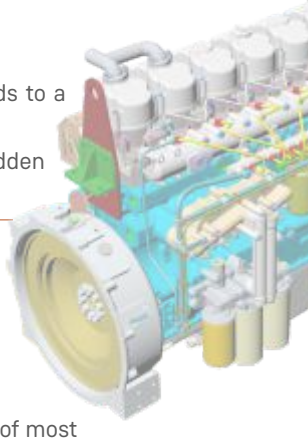
Prime rating and Stand-by rating

'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.

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 a unique combination of CPCB norm compliance and enhanced fuel efficiency. Across the range, Kirloskar Gensets offer substantial savings in fuel cost.

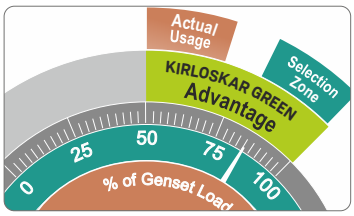
O2E Series (Optimal Operating Efficiency):

Genset ratings are selected based on the present load and future expansion. Fuel efficiency of most Gensets is optimized at the full rating of the Genset.

In practice, Gensets rarely get loaded to full capacity. Power demand variations across day & night, weekdays & weekends, summer & winter lead to an average 50-70% loading on Gensets.

Considering this practical situation, Kirloskar has extended fuel efficiency optimization from 100%, right up to 50% of rated load.

Combination of best-in-class fuel efficiency & O2E provides a double advantage.

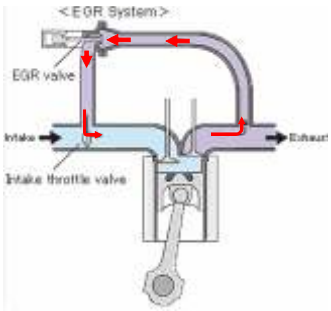


Exhaust gas recirculation (EGR)

EGR is used to reduce NOx emitted by the engine. By recirculating exhaust gases into the engine's cylinder, a percentage of the air is replaced with CO_2.

It is an effective strategy to control NOx (Nitrogen Oxides) Emissions from diesel engines.

Some part of exhaust gas is recirculated in the combustion chamber. Once mixed, the concentration of the oxygen in the fresh air is reduced and the temperature of the fresh air is increased slightly.



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 service dealer in case of any emergency break-down.

KRM Desktop Display

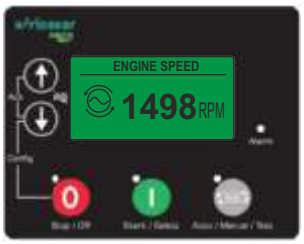
Ask your Dealer for KRM login details & password

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.

State of the art Genset Controller

KG645CR Controller



Kirloskar Genset put the command in your hands. 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
- Lube oil Pressure, Engine Temperature, RPM, Run Hours, Number of starts, Fuel Level, Auto / Manual Stop, Battery charge condition, AMF feature

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, High Engine Temperature, Low/High battery voltage, Low Fuel Level, Over Crank protection, Routine maintenance indicator, Genset Test Facility, Mains Frequency

Optional Features:

- Modbus Communication

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.

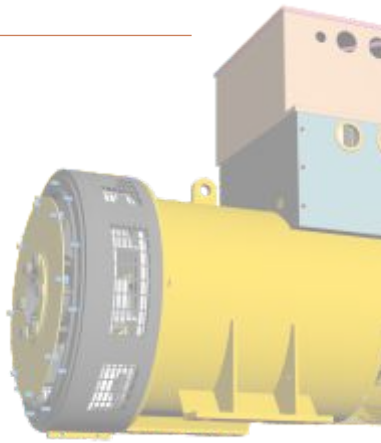
Thus, Kirloskar Gensets offer you many years of trouble-free performance; backed by the assurance of prompt support. Peace-of-mind driven by product reliability and low cost of ownership.

Alternator Features:

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

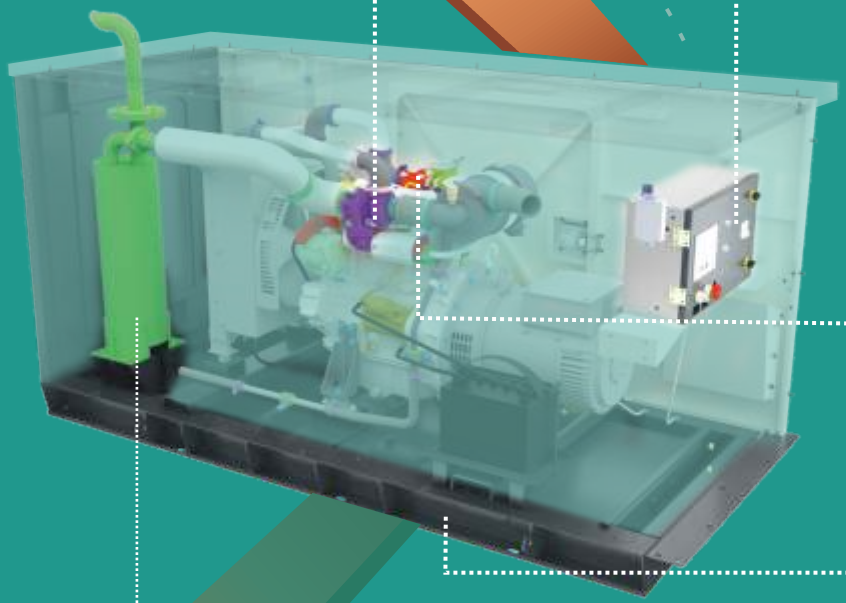
Compact footprint

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.



kirloskar powergen

Glimpses
CPCB IV+
Genset (7.5-20 kVA)



Engine
- Efficient System
- 02E 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

Exhaust Gas Recirculation (EGR) System
- EGR System used to reduce the level of NOx emitted by Engine

Base Frame
- High Quality Material

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

02E - Optimal operating efficiency

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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,
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20240610/REV01/A4 CPCB IV+7.5-20 kVA

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25-58.5 kVA

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25-58.5kVA TECHNICAL SPECIFICATIONS

Prime Rating at rated rpm (as per ISO8528)		kVA	25	30	40	58.5
		kW	20	24	32	46.8
Genset Model			KG4-25WS1	KG4-30WS1	KG4-40WS1	KG4-58.5WS
Frequency		Hz	50			
Power Factor		lagging	0.8			
Voltage		V	230 (1Ø) & 415 (3Ø)		415 (3Ø)	
Governing class (As per ISO 8528 Part-V)			G2			
DG set Noise level at 1 meter		dBA	<75 (Genset with canopy)			
Fuel tank capacity (Standard DG set)		Ltrs	50	72	100	165
✪Weight of genset with canopy (approx.)^	Dry	Kg	770	1025	1165	1460
	Wet (w/o fuel)	Kg	780	1040	1180	1485
Overall dimensions of genset ^	Length	mm	2330	2500	2750	2900
	Width	mm	950	950	1050	1100
	Height	mm	1260	1385	1495	1580
Electrical Battery Start in R Voltage		Volts-DC	12			

ENGINE

Engine Model		3R550ETA 4G1	3R1190ENA 4G1	3R1190ETA 4G1	4R810ETA 4G1
Rated output	kW	26.5	31	41.1	54.4
(Prime Continuous rating as per ISO8528-1)	HP	36	42	56	74
No. of cylinder	Number	3	3	3	4
Cubic capacity^2	Ltrs	1.65	3.57	3.57	3.24
Bore x Stroke	mm	86 x 94	110 x 125	110 x 125	96 x 112
Rated Speed	RPM	1500			
Aspiration	NA/TC/TA	TA	NA	TA	TA
Lube Oil change period	hrs.	500			
Lube oil Sump Capacity (max)	Ltrs	5.95	7	7	10
Coolant Capacity	Ltrs	4.9	10	8.3	12.7

ALTERNATOR

Insulation Class	Class H				
Alternator Efficiency (at 100% load) 0.8 pf**	%	87.9	88.4	87.9	90.8
Max Voltage Dip at Full Load 0.8 pf lag		< 20 %	< 16 %	< 16 %	< 20 %
Max Time to build up rated voltage at Rated RPM		< 2 sec, provided engine reach the rated speed			

^ Tolerances Apply
✪ These Weight are for handling & transportation only
** Efficiency of Alternator as per standards IEC60034-1

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Genset kVA 25 to 58.5 kVA Features

Prime rating and Stand-by rating

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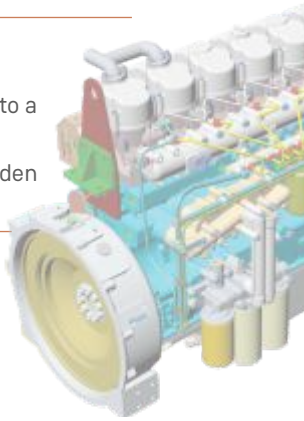

No replacement to displacement

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Best Fluid Efficiency (Fuel)

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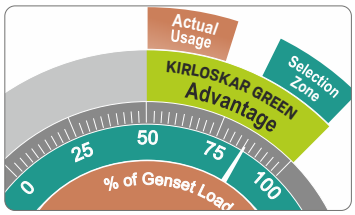

Exhaust gas recirculation (EGR)

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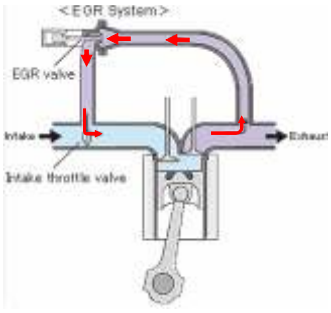

Common Rail Direct Injection System (CRDi):

Common rail diesel injection technology, popularly known as CRDi, provides a significant upgrade over traditional mechanical fuel injection systems. CRDi provides precise fuel control, multiple injections, enhanced performance, lower noise and reduced emissions. High pressure common rail system employed on Kirloskar CPCB IV+ Gensets maximizes fuel atomization, delivering a smooth and smoke free performance. Diesel filters with 'A' class filtration are used for CRDi Engines which enhances the filtration efficiency. Common rail fuel injection system will provide a new level of performance, efficiency, and reliability.

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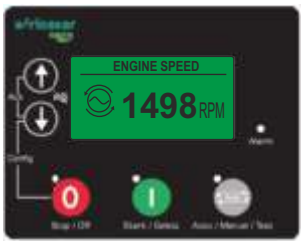
State of the art Genset Controller

KG640C Controller



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Monitoring Features:

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

Diagnostic Features:

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Optional Features:

- Modbus Communication

Peace-of-mind Ownership

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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.

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Compact footprint

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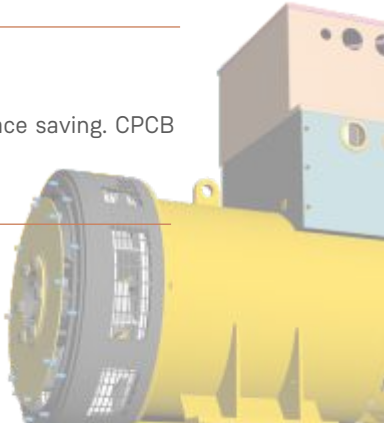

kirloskar powergen

Glimpses
CPCB IV+
Genset (25-58.5 kVA)

Engine
- Efficient CRDi System
- 02E Series: Low emission, high efficiency engine
- Compact, Robust and Rugged Design
- 500 hours lube-oil change period

Exhaust Gas Treatment System
- DOC system sets off the reaction to meet the CPCB norms
- Reduction in PM
- EGR System used to reduce the level of NOx emitted by Engine

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

Base Frame
- High Quality Material

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

O2E - Optimal operating efficiency
DOC - Diesel oxidation catalyst

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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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20240610/REV01/A4 CPCB IV+25-62.5 kVA

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82.5-160 kVA

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82.5-160 kVA TECHNICAL SPECIFICATIONS

Prime Rating at rated rpm (as per ISO8528)	kVA	82.5	100	125	160
	kW	66	80	100	128
Genset Model		KG4-82.5WS1	KG4-100WS1	KG4-125WS1	KG4-160WS11
Frequency	Hz	50			
Power Factor	lagging	0.8			
Voltage	V	415 (3Ø)			
Governing class (As per ISO 8528 Part-V)		G3			
Noise level	dBA	<75			
Fuel tank capacity (Standard DG set)	Ltrs	200	230	230	400
✪ Weight of genset with canopy (approx..)^	Dry	Kg	1800	2170	2200	2980
	Wet (w/o fuel)	Kg	1860	2230	2260	3050
Overall dimensions of genset ^	Length	mm	3200	3200	3200	4200
	Width	mm	1350	1350	1350	1450
	Height	mm	1595	1796	1796	1900
Electrical Battery Starting Voltage	Volts-DC	12			

ENGINE

Engine Model		4R1190ETA 4G1	4K1080ETA 4G1	4K1080ETA 4G1	6K1080ETA 4G1
Rated output (Prime Continuous rating as per ISO 8528-1)	kW	77.2	114.7	114.7	147.1
	HP	105	156	156	200
No. of cylinder	Number	4	4	4	6
Cubic capacity^2	Ltrs	4.76	4.32	4.32	6.48
Bore x Stroke	mm	110 x 125	105 x 125	105 x 125	105 x 125
Rated Speed	RPM	1500			
Aspiration	NA/TC/TA	TA			
Lube Oil change period	hrs.	500			
Lube oil Sump Capacity (max)	Ltrs	10	14	14	25
Coolant Capacity (Engine + Radiator)	Ltrs	15.1	17.7	17.7	28.9
Adblue / EF capacity	Ltrs	25			

ALTERNATOR

Insulation Class		Class H			
Alternator Efficiency (at 100% load) 0.8 pf**	%	91.1	89.6	91.9	92.4
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			

^ Tolerances Apply
✪ These Weight are for handling & transportation only
** Efficiency of Alternator as per standards IEC60034-1

Notes
AdBlue used should follow ISO 22241.
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- Insist on a load-study
- Select the Genset rating as per the load-study and with sufficient margin for future load expansion
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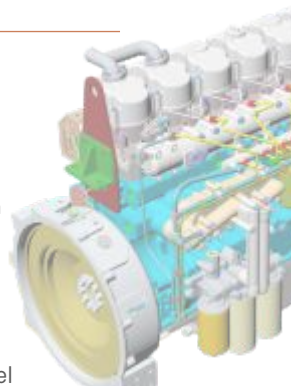
- Ensure adeqate size and proper connection of cables
- Understand the Genset operation & maintenance procedures during commissioning
- Follow routine maintenance protocols through authorised Kirloskar service dealers

Genset kVA 82.5-160 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.



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.

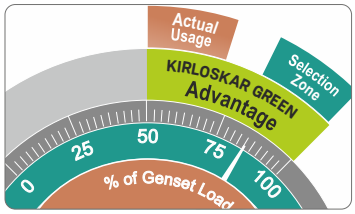
Best Fluid Efficiency (Fuel & DEF)

Kirloskar Gensets offer a unique combination of CPCB norm compliance and enhanced fuel efficiency. Across the range, Kirloskar Gensets offer substantial savings in fuel cost.

O2E Series (Optimal Operating Efficiency):

Genset ratings are selected based on the present load and future expansion. Fuel efficiency of most Gensets is optimized at the full rating of the Genset.

In practice, Gensets rarely get loaded to full capacity. Power demand variations across day & night, weekdays & weekends, summer & winter lead to an average 50-70% loading on Gensets.



Considering this practical situation, Kirloskar has extended fuel efficiency optimization from 100%, right up to 50% of rated load.

In line with fuel efficiency Kirloskar Genset ensures the better DEF efficiency and accordingly optimized the DEF tank size.

Combination of best-in-class fuel efficiency & O2E provides a double advantage.

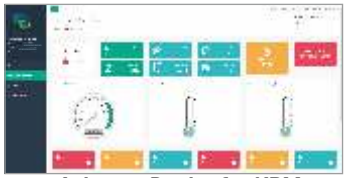
Common Rail Direct Injection System (CRDi)

Common rail diesel injection technology, popularly known as CRDi, provides a significant upgrade over traditional mechanical fuel injection systems. CRDi provides precise fuel control, multiple injections, enhanced performance, lower noise and reduced emissions. High pressure common rail system employed on Kirloskar CPCB IV+ Gensets maximizes fuel atomization, delivering a smooth and smoke free performance. Diesel filters with 'A' class filtration are used for CRDi Engines which enhances the filtration efficiency. Common rail fuel injection system will provide a new level of performance, efficiency, and reliability.

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.

KRM Desktop Display



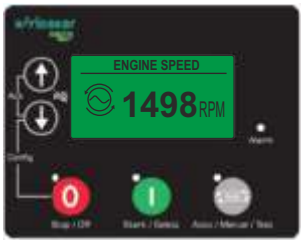
Ask your Dealer for KRM login details & password

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

State of the art Genset Controller

KG640C Controller



Kirloskar Genset put the command in your hands. 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
- Lube oil Pressure, Engine Temperature, RPM, Run Hours, Number of starts, Fuel Level, Auto / Manual Stop, Battery charge condition, AMF feature

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, High Engine Temperature, Low/High battery voltage, Low Fuel Level, Over Crank protection, Routine maintenance indicator, Genset Test Facility, Mains Frequency

Optional Features:

- Modbus Communication

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.

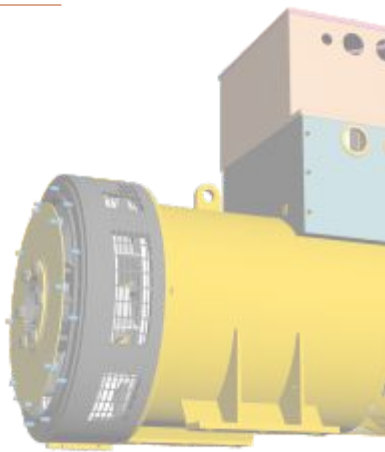
Thus, Kirloskar Gensets offer you many years of trouble-free performance; backed by the assurance of prompt support. Peace-of-mind driven by product reliability and low cost of ownership.

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.



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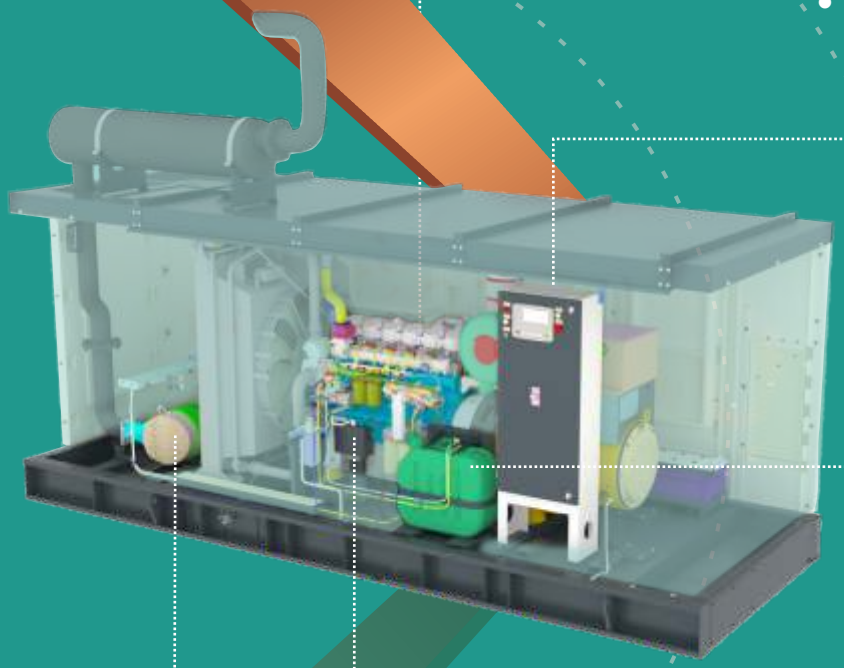
Glimpses
CPCB IV+
Genset (82.5-160 kVA)



Engine
- Efficient CRDi System
- 02E 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

DEF Tank
- DEF/Aqueous urea to sets off the chemical reaction with Exhaust gas
- Tank size is optimized in accordance to DEF consumption

Supply Module & DCU
- Control & monitor the DEF

Exhaust Gas Treatment System
- DOC & SCR system sets off the reaction to meet the latest CPCB norms
- Reduction in NOx & HC
- Reduction in PM

02E - Optimal operating efficiency
DEF - Diesel exhaust fluid
DCU - Dosing control unit
DOC - Diesel oxidation catalyst
SCR - Selective catalytic reduction

kirloskar powergen

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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FOR A
limitless
TOMORROW

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Helpline: +91 8806 33 44 33
koel.helpdesk@kirloskar.com

20240610/REV01/A4 CPCB IV+82.5-180 kVA

kirloskar powergen

200-250 kVA

CPCBIV+ COMPLIANT

INDIA'S LARGEST FLEET OF GENSETS

BETTER POWER
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limitless

TOMORROW


BETTER POWER
FOR A
limitless
TOMORROW

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.

200-250 kVA TECHNICAL SPECIFICATIONS

Prime Rating at rated rpm (as per ISO8528)		kVA	200	250
		kW	160	200
Genset Model			KG4-200WS1	KG4-250WS1
Frequency		Hz	50	
Power Factor		lagging	0.8	
Voltage		V	415 (3Ø)	
Governing class (As per ISO 8528 Part-V)			G3	
DG set Noise level at 1 meter		dBA	<75 (Genset with canopy)	
Fuel tank capacity (Standard DG set)		Ltrs	400	600
✪ Weight of genset with canopy (approx..)^	Dry	Kg	3080	3990
	Wet (w/o fuel)	Kg	3150	4100
Overall dimensions of genset ^	Length	mm	4200	4750
	Width	mm	1450	1700
	Height	mm	1900	2005
Electrical Battery Starting Voltage		Volts-DC	12	24

ENGINE

Engine Model		6K1080ETA 4G2	6SL90ETA 4G2
Rated output (Prime Continuous rating as per ISO 8528-1)	kW	183.8	228
	HP	250	310
No. of cylinder	Number	6	6
Cubic capacity[2]	Ltrs	6.48	8.86
Bore x Stroke	mm	105 x 125	118 x 135
Rated Speed	RPM	1500	
Aspiration	NA/TC/TA	TA	
Lube Oil change period	hrs.	500	
Lube oil Sump Capacity	Ltrs	25	27
Coolant Capacity (Engine + Radiator)	Ltrs	28.9	36.4
Adblue/DEF capacity	Ltrs	45	

ALTERNATOR

Insulation Class		Class H	
Alternator Efficiency (at 100% load) 0.8 pf**	%	92.6	94
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	

^ Tolerances Apply
✪ These Weight are for handling & transportation only
** Efficiency of Alternator as per standards IEC60034-1

Notes
AdBlue used should follow ISO 22241.
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.

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 carfully
- Insist on installation in line with Kirloskar guidelines
- Ensure adeqate size and proper connection of cables
- Understand the Genset operation & maintenance procedures during commissioning
- Follow routine maintenance protocols through authorised Kirloskar service dealers

Genset kVA 200 to 250 kVA Features

Prime rating and Stand-by rating

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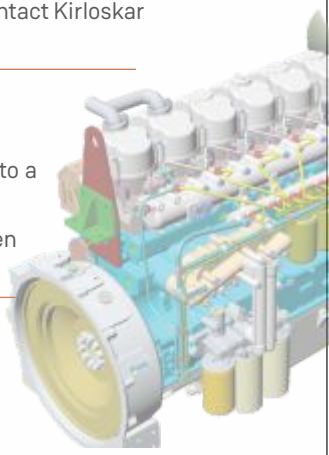

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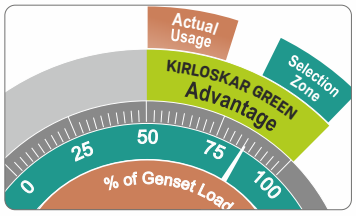

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KG745 Controller

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Monitoring Features:

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- Lube oil Pressure, Engine Temperature, RPM, Run Hours, Number of starts, Fuel Level, Auto / Manual Stop, Battery charge condition, AMF feature

Diagnostic Features :

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

Optional Features:

- Modbus Communication

* Controller KG640C is only for 6K Engine

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Alternator Features

Kirloskar Alternator is compact in design & comes with AREP winding and Digital AVR. Auxillary Regulation Excitation Principle (AREP) winding improves the Non-linear load handling capability, Motor starting capacity. Advanced Digital AVR improves the Voltage regulation and Response time.

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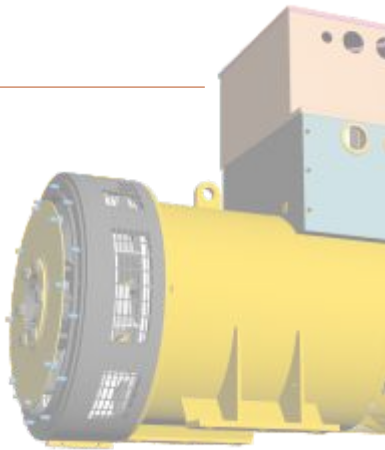

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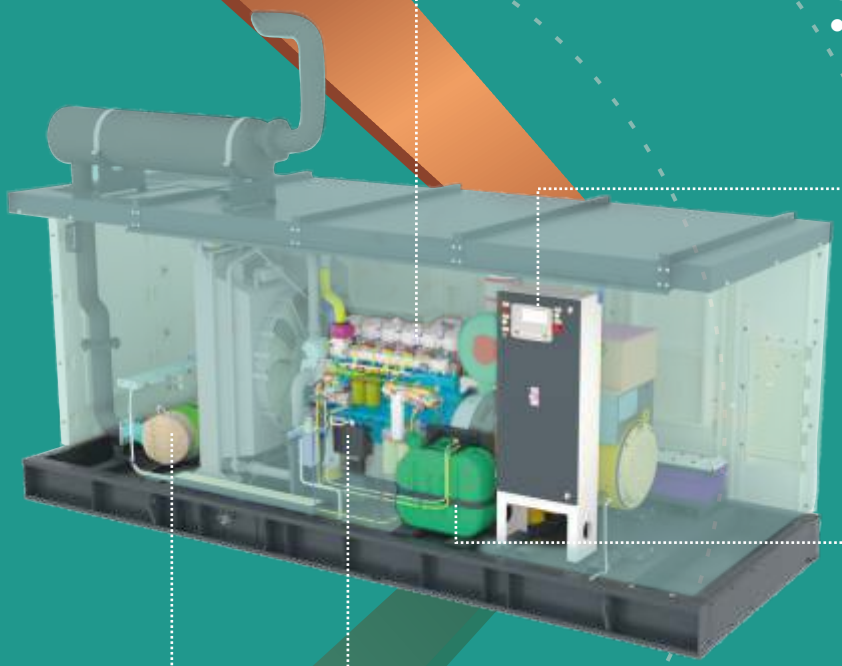
Glimpses
CPCB IV+
Genset (200-250 kVA)



Engine
- Efficient CRDi System
- O2E Series: Low emission, high efficiency engines
- Compact, Robust and Rugged Design
- 500 hours lube-oil change period
- Integral set - mounted radiator system, designed & tested for 50°C ambient temperature

Controller
- Microprocessor based
- Graphical LCD display
- Best in class monitoring and diagnostic capability
- Integrable with AMF, synchronization (optional) & communication compatible

DEF Tank
- DEF/ Aqueous urea to sets off the chemical reaction with Exhaust gas
- Tank size is optimized in accordance to DEF consumption

Supply Module & DCU
- Control & monitor the DEF

Exhaust Gas Treatment System
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20240610/REV01/A4 CPCB IV+200-250 kVA