



7.5-20 kVA

CPCBIV+
COMPLIANT

INDIA'S LARGEST
FLEET OF GENSETS



BETTER POWER
FOR A

limitless

TOMORROW

The background of the image is a high-angle aerial shot of a lush green forest. A narrow, paved path or road winds its way through the trees from the bottom left towards the top right. To the right of the path is a dark, calm body of water, possibly a lake or river. The overall scene is one of natural beauty and tranquility.

BETTER POWER
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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.



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 (10) & 415 (30)			
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
	Wet (w/o fuel)	Kg	550	590	610
Overall dimensions of genset ^	Length	mm	1600	1800	1850
	Width	mm	760	760	760
	Height	mm	1050	1050	1050
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 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

Genset kVA 7.5 to 20 kVA Features



Prime rating and Stand-by rating

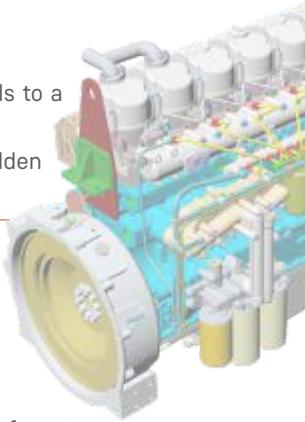
'Prime power' is designed for Unlimited hours, as compared to 'Emergency stand-by' designed for 200 hours in a year. Prime rated Gensets also permit 10% temporary overloading. Users need to carefully select the Genset rating to meet their requirement. Kirloskar offers Prime power as a standard offer. Contact Kirloskar for stand-by ratings.



No replacement to displacement

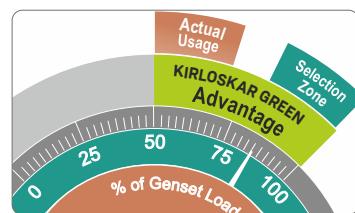
Engine capacity (cc) plays a vital role in Genset performance. Higher engine capacity leads to a robust and stable Genset performance.

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.

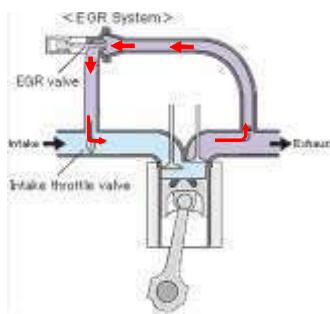


Exhaust gas recirculation (EGR)

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 CO₂.

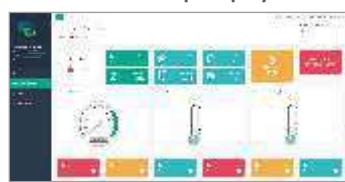
It is an effective strategy to control NOx (Nitrogen Oxides) Emissions from diesel engines.

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
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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

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.

KG645CR Controller



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.



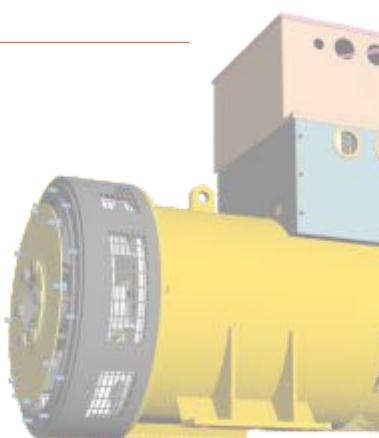
Alternator Features:

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

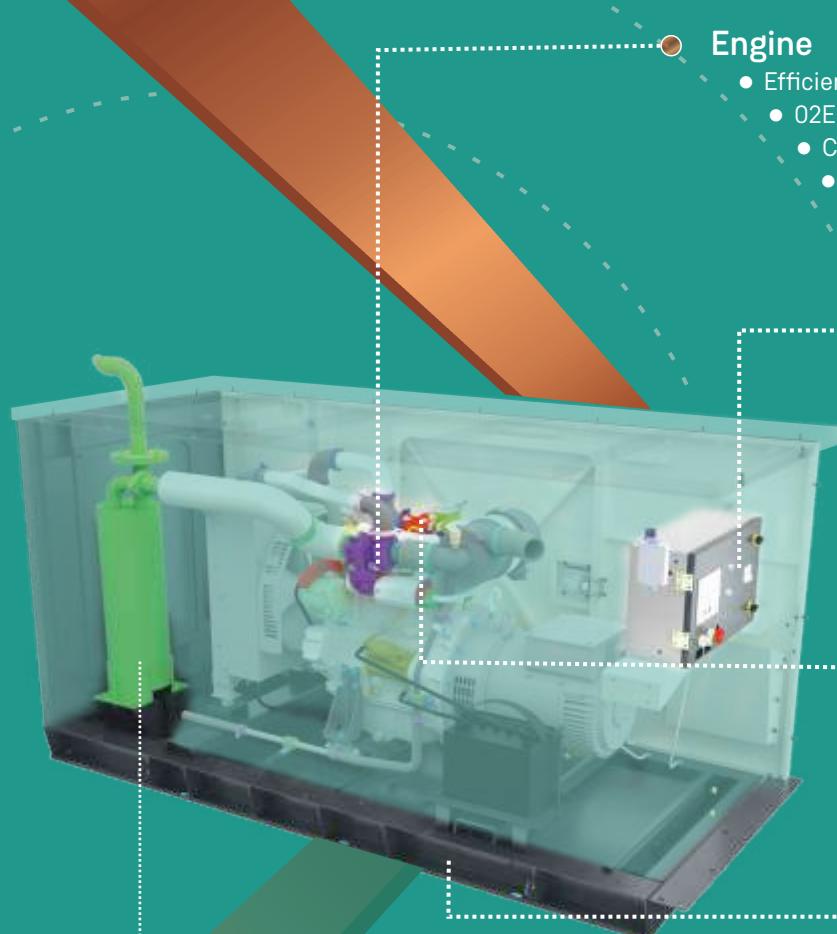


Compact footprint

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.



Glimpses **CPCB IV+** Genset (7.5-20 kVA)



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

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



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.helpdesk@kirloskar.com

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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
Genset Model	kW	66	80	100	128
Frequency	Hz			50	
Power Factor	lagging			0.8	
Voltage	V			415 (30)	
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.) ^a	Dry	Kg	1800	2170	2200
	Wet (w/o fuel)	Kg	1860	2230	2260
Overall dimensions of genset ^	Length	mm	3200	3200	3200
	Width	mm	1350	1350	1350
	Height	mm	1595	1796	1796
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
No. of cylinder	HP	105	156	156	200
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	

^a Tolerances Apply

^b 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.



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- Select the Genset rating as per the load-study and with sufficient margin for future load expansion
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Genset kVA 82.5-160 kVA Features



Prime rating and Stand-by rating

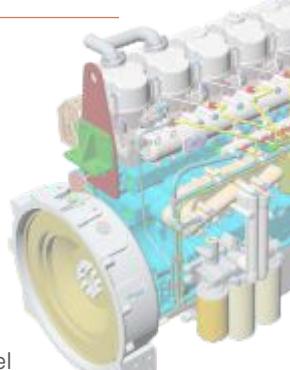
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No replacement to displacement

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*):

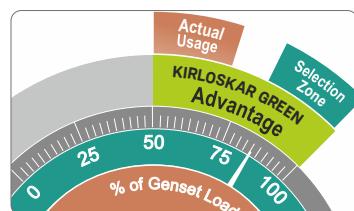
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In practice, Gensets rarely get loaded to full capacity. Power demand variations across day & night, weekdays & weekends, summer & winter lead to an average 50-70% loading on Gensets.

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

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KRM Desktop Display

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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

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

KG640C Controller



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.



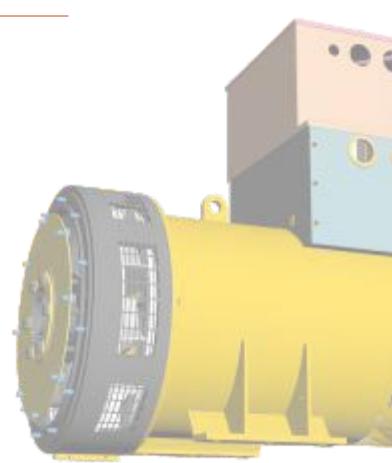
Alternator Features

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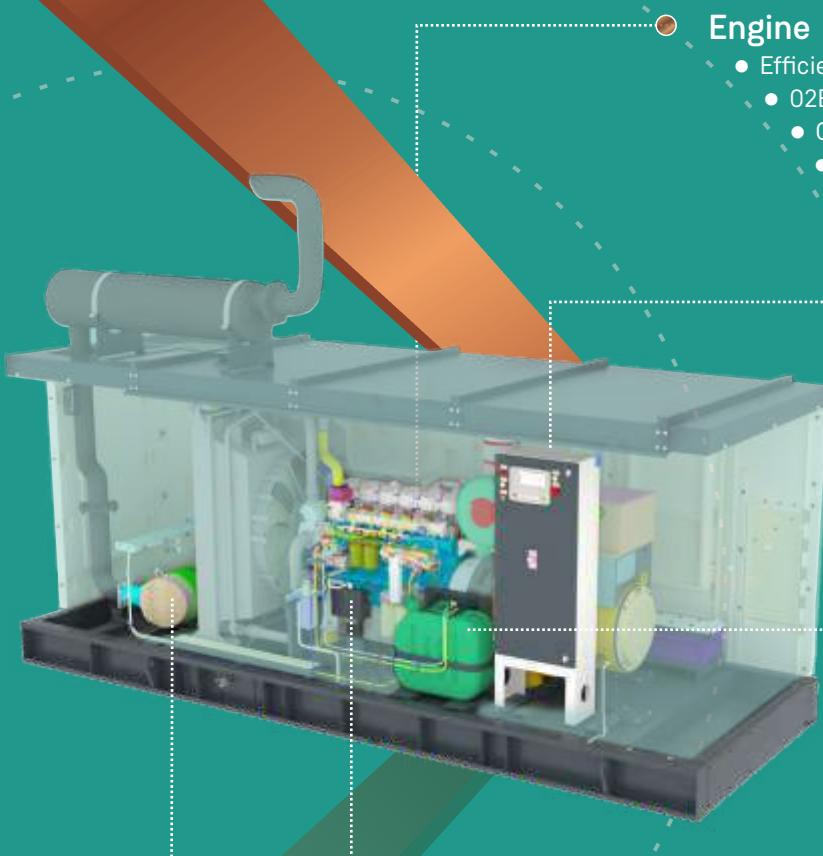


Compact footprint

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Glimpses **CPCB IV+** Genset (82.5-160 kVA)



Engine

- Efficient CRDi 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

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

O2E - Optimal operating efficiency
DEF - Diesel exhaust fluid
DCU - Dosing control unit
DOC - Diesel oxidation catalyst
SCR - Selective catalytic reduction



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A Kirloskar Group Company

Regd. Office: 13, Laxmanrao Kirloskar Road,
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INDIA



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- Tel: +91 (20) 2581 0341
- Fax: +91 (20) 2581 3208, 2581 0209
- Helpline: +91 8806 33 44 33
- koel.helpdesk@kirloskar.com

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320-750 kVA
CPCBIV+
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320-750 kVA TECHNICAL SPECIFICATIONS

Prime Rating at rated rpm (as per ISO8528)	kVA	320	400	500	625	750
	kW	256	320	400	500	600
Genset Model		KG4-320WS1	KG4-400WS11	KG4-500WS	KG4-625WS	KG4-750WS
Frequency	Hz			50		
Power Factor	lagging			0.8		
Voltage	V			415 (30)		
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	600	850	850	990	990
Weight of genset with canopy (approx.)^	Dry	Kg	4090	6220	6240	8150
	Wet (w/o fuel)	Kg	4200	6415	6435	8370
Overall dimensions of genset ^	Length	mm	4750	5575	5575	6500
	Width	mm	1700	2125	2125	2125
	Height	mm	2005	2610	2610	2710
Electrical Battery Starting Voltage	Volts-DC			24		

ENGINE

Engine Model		6SL90ETA 4G3	DV8ETA 4G2	DV8ETA 4G3	DV10ETA 4G2	DV12ETA 4G2
Rated output (Prime Continuous rating as per ISO 8528-1)	kW	279.5	360	447.2	561.1	662
	HP	380	490	608	763	900.6
No. of cylinder	Number	6	8	8	10	12
Cubic capacity ²	Ltrs	8.86	15.92	15.92	19.9	23.88
Bore x Stroke	mm	118 x 135	130 x 150	130 x 150	130 x 150	130 x 150
Rated Speed	RPM			1500		
Aspiration	NA/TC/TA			TA		
Lube Oil change period	hrs.			500		
Lube oil Sump Capacity	Ltrs	27	40	40	50	73
Coolant Capacity (Engine + Radiator)	Ltrs	36	63.2	63.2	81.7	173.9
Adblue/DEF capacity	Ltrs	45		45 x 2		

ALTERNATOR

Insulation Class				Class H		
Alternator Efficiency (at 100% load) 0.8 pf**	%	95.3	93.4	94.8	95.7	94.7
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

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Genset kVA 320 to 750 kVA Features



Prime rating and Stand-by rating

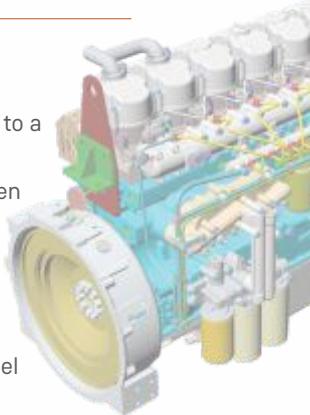
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No replacement to displacement

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-in-class 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.

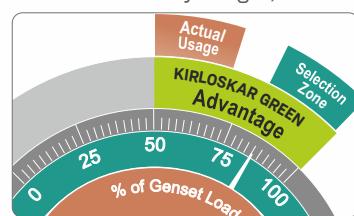
O2E Series (Optimal Operating Efficiency):

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.



**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



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

KG745 Controller



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
- Synchronization

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:

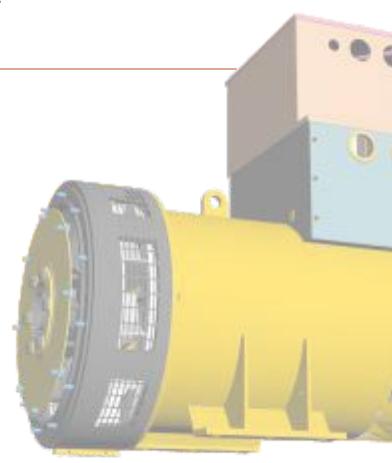


Kirloskar Alternator is compact in design & comes with AREP winding and Digital AVR. Auxillary Regulation Excitation Principle (AREP) winding improves the Non-linear load handling capability, Motor starting capacity. Advanced Digital AVR improves the Voltage regulation and Response time.

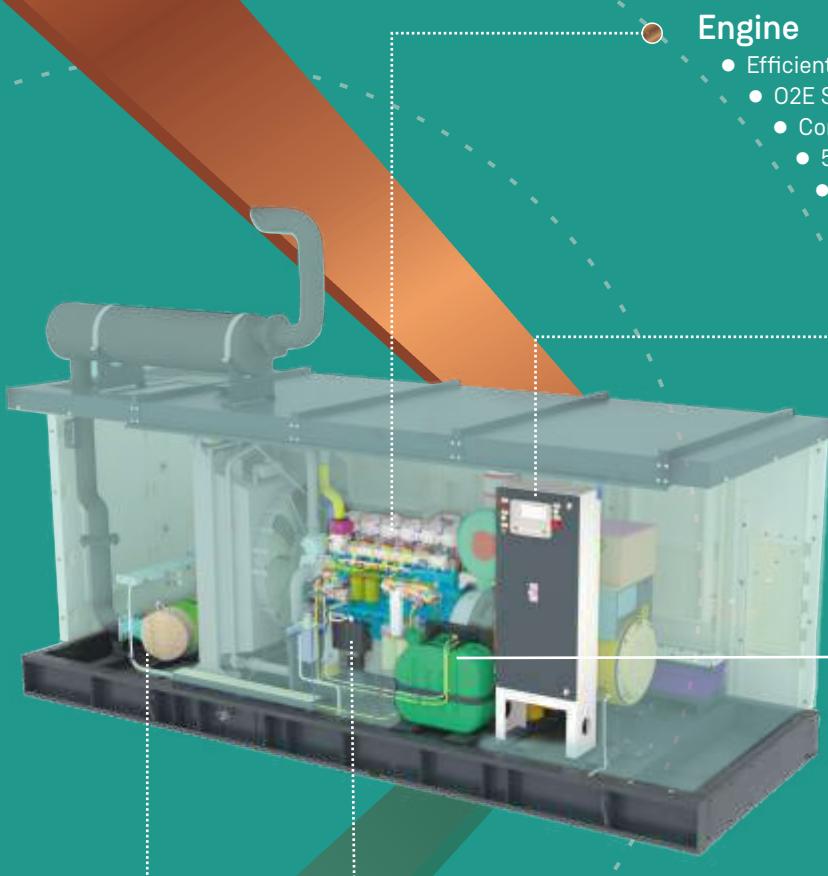
Compact footprint:



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.



Glimpses CPCB IV+ Genset (320-750 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

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

O2E - Optimal operating efficiency
 DEF - Diesel exhaust fluid
 DCU - Dosing control unit
 DOC - Diesel oxidation catalyst
 SCR - Selective catalytic reduction



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UNMATCHED PERFORMANCE.

KIRLOSKAR OIL ENGINES LIMITED
A Kirloskar Group Company

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INDIA



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- Tel: +91 (20) 2581 0341
- Fax: +91 (20) 2581 3208, 2581 0209
- Helpline: +91 8806 33 44 33
- koel.helpdesk@kirloskar.com

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Product improvement is a continuous process. Kindly contact Kirloskar Oil Engines Ltd. for latest information.
Images are for illustration purposes only.



25-58.5 kVA

CPCBIV+
COMPLIANT

INDIA'S LARGEST
FLEET OF GENSETS



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TOMORROW

The background image is an aerial photograph showing a dense forest of green trees on the left, a dark blue body of water on the right, and a paved path or road that curves from the bottom left towards the top right.

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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.



25-58.5 kVA 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
	Wet (w/o fuel)	Kg	780	1040	1180
Overall dimensions of genset ^	Length	mm	2330	2500	2750
	Width	mm	950	950	1050
	Height	mm	1260	1385	1495
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

^o 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 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

Genset kVA 25 to 58.5 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.

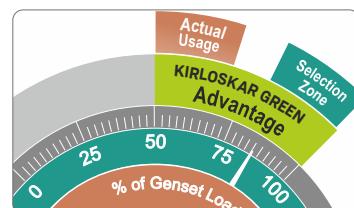
O2E Series (Optimal Operating Efficiency):

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.

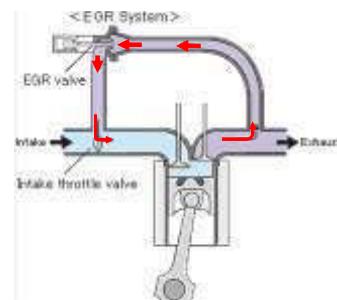


Exhaust gas recirculation (EGR)

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 CO₂.

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.



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

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.

KG640C Controller



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.



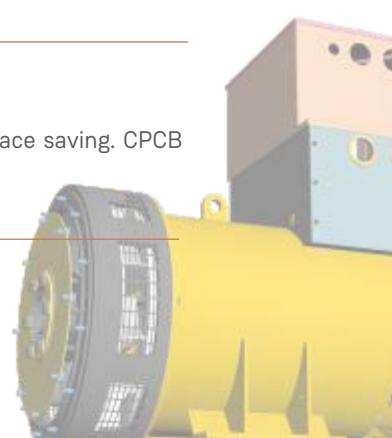
Alternator Features

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

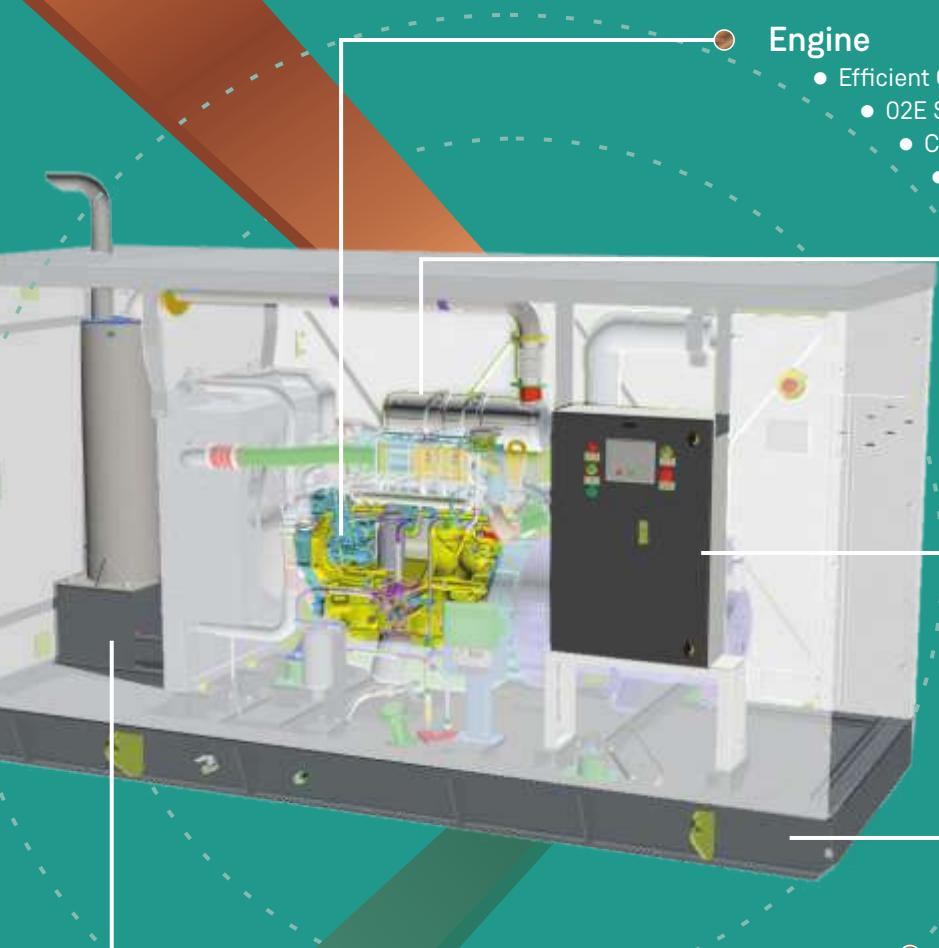


Compact footprint

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.



Glimpses **CPCB IV+** Genset (25-58.5 kVA)



Engine

- Efficient CRDi System
- O2E 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



SHAPING THE FUTURE.
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INGENIOUS DESIGN.
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KIRLOSKAR OIL ENGINES LIMITED
A Kirloskar Group Company

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- koel.helpdesk@kirloskar.com

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200-250 kVA

CPCBIV+
COMPLIANT

INDIA'S LARGEST
FLEET OF GENSETS



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TOMORROW

The background of the image is a high-angle aerial photograph of a landscape. A winding, light-colored path or road cuts through a dense forest of green trees. To the right of the path is a dark, calm body of water, possibly a lake or river. The overall scene is natural and serene.

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T O M O R R O W



A RICH HERITAGE OF OVER A CENTURY OF ENGINEERING EXCELLENCE.

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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
	Wet (w/o fuel)	Kg	3150
Overall dimensions of genset ^	Length	mm	4200
	Width	mm	1450
	Height	mm	1900
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.

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For Site Conditions other than standard operating conditions consult Kirloskar Oil Engines for available prime power.



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- Select the Genset rating as per the load-study and with sufficient margin for future load expansion
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- Insist on installation in line with Kirloskar guidelines
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Genset kVA 200 to 250 kVA Features



Prime rating and Stand-by rating

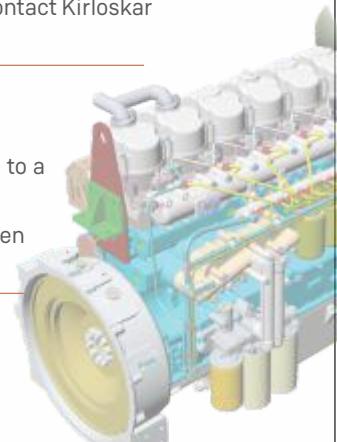
'Prime power' is designed for Unlimited hours, as compared to 'Emergency stand-by' designed for 200 hours in a year. Prime rated Gensets also permit 10% temporary overloading. Users need to carefully select the Genset rating to meet their requirement. Kirloskar offers Prime power as a standard offer. Contact Kirloskar for stand-by ratings.



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):

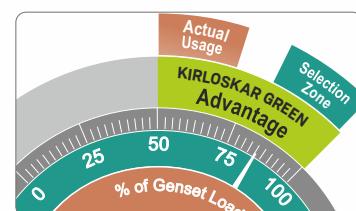
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Common Rail Direct Injection System (CRDi)

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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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*

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.

KG745 Controller



Monitoring Features:

- Phase Voltages & Currents, Frequency, Genset kVA, kW, kWh, kVAr, Power Factor, Canopy Temperature (optional)
- 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



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.

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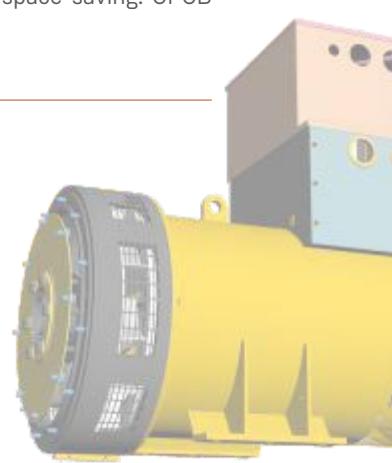
Alternator Features

Kirloskar Alternator is compact in design & comes with AREP winding and Digital AVR. Auxiliary 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.

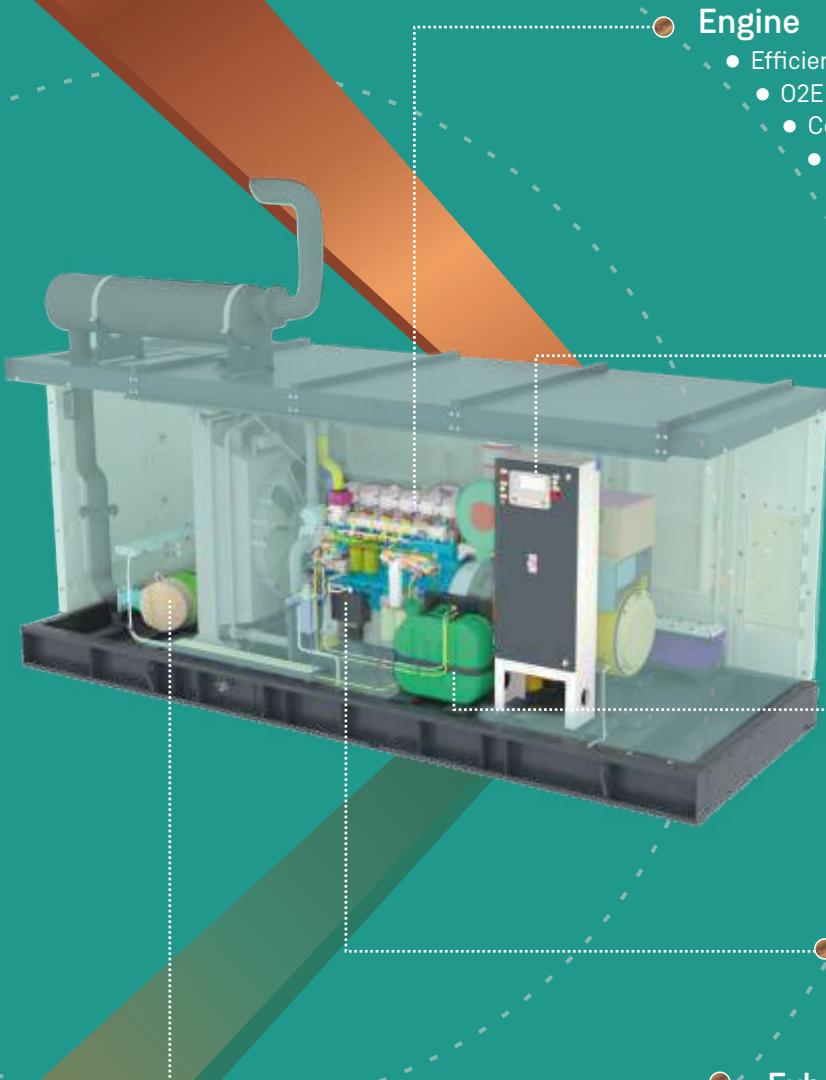


Compact footprint

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.



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

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

O2E - Optimal operating efficiency
 DEF - Diesel exhaust fluid
 DCU - Dosing control unit
 DOC - Diesel oxidation catalyst
 SCR - Selective catalytic reduction



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KIRLOSKAR OIL ENGINES LIMITED
A Kirloskar Group Company

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



BETTER POWER
FOR A

limitless

TOMORROW



- Tel: +91 (20) 2581 0341
- Fax: +91 (20) 2581 3208, 2581 0209
- Helpline: +91 8806 33 44 33
- koel.helpdesk@kirloskar.com

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TO THOSE WHO
POWER LIFE, WE SAY

MAY THE

D^OU^NG^ER



AIWAYS BE
WITH YOU



TECHNICAL SPECIFICATIONS		PETROL GENSET	
Rated output at 230V / 50Hz		kW ^s	2.8
Maximum rating ***		kW	3
Genset model		KCC-PE-2800 AS	
Rated current at unity PF	A		12.2
Maximum current at unity PF	A		13
Voltage	V		230
Noise Level (1 M) - for reference	Sound power level (L _{WA})	dB	≤ 86
Fuel consumption**	At rated Load	Ltrs/Hr	1.62
	At 75% rated Load		1.3
Fuel tank capacity	Ltrs		12.5
Recommended fuel			Unleaded Gasoline
Overall dimensions of Genset (L x W x H) [▲]	mm		820 x 480 x 630
Weight of Genset with canopy approx. ^	Kg		83
ENGINE			
Engine model		CCP196	
Rated output as per ISO 3046 (Prime continuous rating)	kW /HP	3.67 / 5	
Cubic capacity	cc	196	
Lube Oil change period ^s	Hrs	First 20 hr. then every 100 hr.	
Lube oil sump capacity	Ltrs	0.6	
Starting system		Electric / Recoil	
Low oil level alert, overload warning, battery charging		Yes	
Eco throttle		Available for optimum fuel consumption	
INVERTER			
%THD (Voltage)	%	≤ 5%	
Fuel gauge, AC output connector, AC circuit breaker		Yes	

This genset is single cylinder, air cooled with 50 Hz frequency, 230V single phase, 12V battery as standard features

** 5% Tolerance and with ECO mode

*** Some Electrical appliances take more power during startup than rated power

^s At NTP

Genset Model will be available in 4 wheel configuration

For regular operation do not exceed rated Power

[▲] Standard tolerances apply



INVERTER TECHNOLOGY

India's #1 Genset brand

- Over 1 million Gensets in service across the globe
- Specialised Genset manufacturer for more than seven decades; offers a wide range of power solutions up to 1500 KVA

Widest well-trained service network

- Supported by over 3000+ skilled engineers and over 450 well-equipped service outlets
- Centrally monitored services quality and response time
- Dial customer support and our authorized representative will be at your door step!
- Best in class serviceability

Low operating cost

- Low maintenance
- Best in class fuel efficiency

Kirloskar Green Solution

- Revolutionary sound absorption system makes the owner totally relaxed during power cut
- Complies with the latest noise regulation and emission norms

Inverter technology

- High power quality output
- Eco mode available

Enjoy the benefits of mobility and portability

- Rolls on wheels and is equipped with a wide length handle
- Truly Portable - Compact, low weight and low sound

Combined possible load on 2.8 kW*	LED Lights	CFL Lighting	Tube Light	Ceiling fan	Refrigerator	Computers	washing machine	TV LED Type 32 inch	Air conditioning	Any other units
Estimated equipment's watts	10	30	45	60	300	300	350	32		**
No. of units	8	8	6	6	1	2	1	2		

* This is just for illustration & various combinations as per respective needs are possible.

** However in Case of AC operation requirement, there would be change in other connected loads and as such you are requested to contact authorised Kirloskar green sales experts.

kirloskar
Oil Engines

www.kirloskaroilengines.com

Kirloskar Oil Engines Limited

A Kirloskar Group Company

Laxmanrao Kirloskar Road, Khadki,
Pune 411 003 INDIA.

88 06 33 44 33
koei.helpdesk@kirloskar.com



Stamp of
Authorised
Representative

A STEP AHEAD OF YOUR POWER NEEDS

10 kVA to 200 kVA Gensets



Mahindra Powerol Diesel Gensets

About Powerol

In 2001, Mahindra and Mahindra entered into the field of power generation through its engines under the brand name Mahindra Powerol that are propelling Diesel Generating Sets from 5 kVA to 625 kVA. Mahindra Powerol, known for its fuel efficiency and quick customer response is trusted by telecom & retail customers.

Within short span of time, Mahindra Powerol has garnered immense customer trust which shows its level of commitment and customer centric approach. Presently, its more than 400,000 gensets are powering different industries and applications in Indian and overseas market. Mahindra Powerol through its technology & service has taken deep stride in the engine and DG set industry. In a little over a decade, it has also expanded its footprint in South East Asia, Middle East and Africa.

Awards & Recognition



Superbrand Award



Japan's Deming Prize for TQM



Most Preferred Genset Brand in Telecom Segment

World Class Manufacturing



Mahindra engines are manufactured at the state-of-the art facilities located in Chakan near Pune & Nagpur.

These manufacturing facilities are equipped with:

- Fully automated, controlled environment engine assembly
- Conforms to latest certifications and quality standards
- Quality control systems to maintain highest level of engine quality standards

Sales & Service Network

- Over 400 sales & service touch points across India
- Wide and efficient network to serve you faster and better

Peace of mind service

Powerol sales & service touch points are available across the length & breadth of our country to provide Installation, Commissioning and after sales support. Over 2000 trained technicians are available at these centres for providing doorstep service. All the outlets are well equipped with the necessary spares. So wherever you are, we are always near to you.

Support is just a call away

Our customer care centre is equipped with the latest software for monitoring & time bound escalation till closure of the complaints. To make it simpler for our customers, a common Toll free no. is available for both sales and service support.

Technical Specifications:

Genset Rating (kVA)	10	*15	15	*20	22.5	25	30	*30	*35	40	*45
Duty (Stand by / Prime)	Prime	Stand By	Prime	Stand By	Prime	Prime	Prime	Stand By	Stand By	Prime	Stand By
Power Rating (kW)	8	12	12	16	18	20	24	24	28	32	36
No. of Phases	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
Output Voltage (V)	230/415	230/415	230/415	230/415	230/415	230/415	230/415	230/415	230/415	230/415	230/415
Power Factor (lagging)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Current (A) (1 phase / 3 phase)	43.5/13.9	65.2/20.9	65.2/20.9	87/27.8	97.8/31.3	108.7/34.8	130.4/41.7	130.4/41.7	152.2/48.7	173.9/55.7	195.7/62.8
Frequency (Hz) / RPM	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500
Governing Class	G2	G2	G2	G2	G2	G2	G2	G2	G2	G2	G2
Starting system	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical
Fuel tank capacity (lt)	55	55	75	75	75	75	115	115	115	115	115
Genset dimensions (LxWxH ^{**}) (mm) approx	1700 x 900 x 1250	1700 x 900 x 1250	1875 x 900 x 1287	1875 x 900 x 1287	1875 x 900 x 1287	1875 x 900 x 1287	3 Phase: 2000 x 980 x 1280 1 Phase: 2200 x 980 x 1280	3 Phase: 2000 x 980 x 1280 1 Phase: 2200 x 980 x 1280	3 Phase: 2000 x 980 x 1280 1 Phase: 2200 x 980 x 1280	3 Phase: 2000 x 980 x 1280 1 Phase: 2200 x 980 x 1280	3 Phase: 2000 x 980 x 1280 1 Phase: 2200 x 980 x 1280
Genset weight (kg) approx	633	673	798	746	795	795	3 Phase: 935 1 Phase: 1026	3 Phase: 935 1 Phase: 1026	3 Phase: 926 1 Phase: 1026	3 Phase: 985 1 Phase: 1051	3 Phase: 998 1 Phase: 1120
Engine Specifications											
Make	Mahindra										
Model	2185 GM-C2	2205 GM-C2	3255 GM-C2	3285 GM-C2	3335 TGGM-C2	3385 ELSTCGM-C2	3445 TGIGM-C2	3385 ELSTCGM-C2	3445 TGIGM-C2	4575 TGIGM-C2	4575 TGIGM-C2
Power Output * (HP)	18	20	25	28	33	38.6	44	38.6	44	57	57
Aspiration	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Turbocharged	Turbocharged	Turbocharged & Intercooled	Turbocharged	Turbocharged & Intercooled	Turbocharged & Intercooled	Turbocharged & Intercooled
No. of cylinders	2	2	3	3	3	3	3	3	3	4	4
Bore x Stroke (mm)	88.9 x 110	88.9 x 120	88.9 x 110	88.9 x 110	88.9 x 101.6	88.9 x 120	88.9 x 110	88.9 x 120	88.9 x 110	88.9 x 110	88.9 x 110
Displacement (cc)	1366	1490	2048	2048	1892	2235	2048	2235	2048	2731	2731
Fuel consumption @ 75% load (lt/hr) [*]	2.4	2.7	3	3.6	4.3	4.7	5.7	-	-	7.3	-
Fuel consumption @ 100% load (lt/hr) [*]	2.9	3.6	3.8	4.8	5.7	6.2	7.3	-	-	9.9	-
Lube oil specification	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4
Total lube oil system capacity (liter)	6	6	6.5	6.5	7	7	7	7	7	10.5	10.5
Lube oil consumption (lt/hr) [*]	0.15% of Fuel Consumption										
Lube oil change period (hrs)	300 hrs. for oil top up, 600 hrs. for oil change										
Radiator coolant capacity (liters)	55	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Alternator Specifications											
Make	CG/LS	CG/LS	CG/LS	CG/LS	CG/LS	CG/LS	CG/LS	CG/LS	CG/LS	CG/LS	CG/LS
Enclosure Type	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
Voltage regulation	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Class of insulation	H	H	H	H	H	H	H	H	H	H	H
Maximum Unbalanced Load across Phases	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%

Notes:

Above specifications are subject to change without prior notice due to continuous product improvements.

All engines & alternators conform to respective IS standards

All the genset specifications conform to ISO 8528 standard

All Specifications are at Standard NTP operating conditions

* Considering 0.845 Specific Gravity of diesel, ± 5 % Tolerance

Engine Power at 110% load Fuel-High Speed diesel (HSD) IS 1460:2005

* Represent the Standby Ratings

§ Considering 0.89 Specific Gravity of Oil Engine Power will have ± 5 % Tolerance

** For CG only 3 Phase Configuration available

BB Height Without Silencer



Low Fuel Consumption

Low Ownership Cost

Long Life Reliable

Easy Serviceability

Technical Specifications:

Genset Rating (kVA)	50	62.5	75	82.5	100	125-4 Cyl	125-6 Cyl	150	180	180	200
Duty (Stand by / Prime)	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime
Power Rating (kW)	40	50	60	68	80	100	100	120	144	144	160
No. of Phases	3	3	3	3	3	3	3	3	3	3	3
Output Voltage (V)	415	415	415	415	415	415	415	415	415	415	415
Power Factor (lagging)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Current (A) (1phase / 3 phase)	69.6	87	104.4	114.8	139	173.7	173.7	222.4	250.2	278	278
Frequency (Hz) / RPM	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500
Governing Class	G2	G2	G2	G2	G2	G2	G2	G2	G2	G2	G2
Starting system	12 V DC Electrical	12 V DC Electrical	12 V DC Electrical	12 V DC Electrical	12 V DC Electrical	12 V DC Electrical	24 V DC Electrical				
Fuel tank capacity (lt)	185	185	180	160	250	250	250	388	388	388	388
Genset dimensions w/o Silencer (L x W x H*) (mm) approx.	2400 x 1050 x 1923	2400 x 1050 x 1923	3000 x 1150 x 2135	2950 x 1075 x 1575	3500 X 1230 X 1425	3500 X 1230 X 1425	3500 X 1230 X 1425	3900 X 1350 X 1745			
Genset weight (kg) approx.	1250	1293	1350	1500	1850	1850	1855	2425	2630	2630	2630
Engine Specifications											
Make	Mahindra					Mahindra mPower					
Model	4725 GMA-C2	4805 GMA-C2	41035 GM-C2	41125 AGM-C2	mPower41265G	mPower41565G	mPower51565G	mPower51895G	mPower52235G	mPower52485G	
Power Output (HP)	72	80	103	111.5	120	150	150	189	223	248	
Aspiration	Turbocharged & Intercooled	Turbocharged & Intercooled	Turbocharged & Intercooled	Turbocharged & Intercooled	TCA	TCA	TCA	TCA	TCA	TCA	
No. of cylinders	4	4	4	4	4	4	6	6	6	6	
Bore x Stroke (mm)	94 x 115	96 x 122	98 x 122	98 x 132	105 x 137	105 x 137	105 x 137	105 x 137	105 x 137	105 x 137	
Displacement (lt)	3.192	3.632	3.632	3.822	4.800	4.800	7.200	7.200	7.200	7.200	
Fuel consumption @ 75% load (lt/hr)*	9.5	11.3	13.5	13.5	17.3	21.4	21.4	27.8	28.7	33.3	
Fuel consumption @ 100% load (lt/hr)*	12.4	15.3	17.8	18.1	23.1	28	28	36.7	38.2	40.8	
Lube oil specification	SAE15W40 CI4	SAE15W40 CI4	SAE15W40 CI4	SAE 15W40 CI4	SAE 15W40 CI4+	SAE 15W40 CI4+	SAE 15W40 CI4+	SAE 15W40 CI4+	SAE 15W40 CI4+	SAE 15W40 CI4+	
Total lube oil system capacity (liter)	10	10	10	13.5	12.5	13.5	20.2	20.2	20.2	20.2	
Lube oil consumption (lt/hr)*	0.1% of Fuel Consumption										
Lube oil change period (hrs.)	300 hrs. for oil top up, 600 hrs. for oil change										
Radiator coolant capacity (liters)	12	15	18	18	18	18	22.5	25	24	24	
Alternator Specifications											
Make	CG/LS	CG/LS	CG/LS	CG/LS	CG/LS/Stamford/Equivalent						
Enclosure Type	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
Voltage regulation	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Class of insulation	H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H
Maximum Unbalanced Load across Phases	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%

Notes:

Above specifications are subject to change without prior notice due to continuous product improvements. All engines & alternators conform to respective IS standards.

All the genset specifications conform to ISO 8528 Standard. All Specifications are at Standard NTP operating conditions. * Considering 0.845 Specific Gravity of diesel, +5% Tolerance.

* Engine Power at 110% load Fuel: High Speed diesel [HSD IS 1480:2006] ** Represent the Standby Rating. *** Considering 0.89 Specific Gravity of Oil Engine Power will have ± 5% Tolerance.

** For DG only 3 Phase Configuration available. *** Height Without Silencer.



Available for 82.5 kVA and above

Super Shield is a 5 year all-inclusive coverage plan, which means zero repair charges, zero service charges and zero spares replacement costs for 5 years.



Mahindra & Mahindra Ltd.
Powerol Business, Powerol Building,
Gate No. 2, Akurli Road, Kandivali (E),
Mumbai - 400 101, India.

Dealer / OEM address



Toll free no.
1800 419 1999



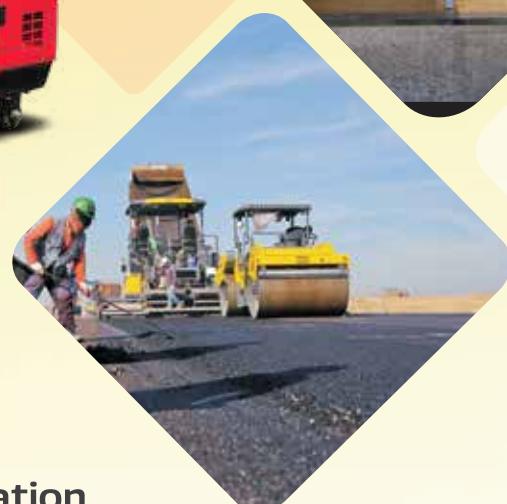
powerol@mahindra.com



mahindrapowerol.com

CPCB IV+

5kVA PORTABLE DIESEL GENSETS



- Compact Design
- Large Fuel Tank
- Available in Manual & AMF Configuration
- Easy Finance Options Available

Mahindra Powerol's Spectro series of portable genset is very convenient to use. It has sturdy wheels and long handle which allows easy mobility of the genset.

Along with being compact, it packs a powerful engine that gives a high genset power output.

It is Ideal for small offices, retail outlets, households, make shift shelters, small applications at off site infrastructure sites & any other small establishments.



DG SET SPECIFICATION

5kVA	
Rating @ 0.8 pf	5kVA
Control Panel	AMF/MCP
Size - L x W x H (mm)	1050 x 620 x 745
Fuel Tank Capacity (Ltrs)	15
Weight (kg.)	210
ENGINE	
Engine Model	KD15-441GSI4 (Lombardini)
Type	Direct Injection
BHP	8.2
RPM	3000
Cooling	Air Cooled
Aspiration	Naturally Aspirated
Cylinders - Bore x Stroke (mm)	1 - 86 x 76 & 4 Stroke
Displacement - cc	441
Governing System	Mechanical
Starting System	12 V DC, 35Ah
ALTERNATOR	
Make	NSM
Voltage (Volts)	230
Frequency (Hz)	50

- Above specifications are subject to change without notice due to continuous technical developments.



Mahindra & Mahindra Ltd.
Mahindra Powerol
MHEL, 1st Floor, Gate No. 12, A-1/1,
Talawade Chakan Rd, Chakan Industrial Area,
Phase-IV, Nigoje, Maharashtra, 410501.

Dealer /OEM address



Toll free no.
1800 419 1999



poweroldg@mahindra.com



mahindrapowerol.com

PRESENTING ALL NEW 125 kVA DIESEL GENSET

Superior Weight to Power Ratio





Genset Rating (kVA)	125
Phase / Voltage (V)	3/415
Power Factor	0.8 (lagging)
Current (A)	174
Governing class	G2 as per ISO 8528 Part V
Starting system	12 V DC Elec
Fuel tank capacity	250
Canopy dimensions w/o silencer (mm) (L x W x H) approx.	3500 X 1230 X 1425
Genset Weight (kg) approx.	1650
Rated Speed RPM	1500
Engine Specifications	
Engine Model	MPower41565G
No Of Cylinders	4
Rated Power (HP)	156
Aspiration	Turbocharged Aftercooled
Stroke	4 Stroke
BORE/STROKE (mm/mm)	105 X 137
Displacement (lit)	4.8
Fuel consumption @ 75% load (lit/hr) ^	21.4
Fuel consumption @ 100% load (lit/hr) ^	28
Lube oil specification	15W40 API Ci4+
Total lubrication system capacity (lit)	13.5
Lube oil consumption @ 100% load	0.1% of Fuel Consumption
Lube oil change period (hrs.)	500
Radiator coolant capacity (lit)	19
Alternator Specifications	
Enclosure Type	Ip23
Voltage regulation	±1%
Class of insulation	Class H
Maximum Unbalanced Load across Phases	0.25

Notes:

- Above specifications are subject to change without prior notice due to continuous product improvements
- All engines & alternators conform to respective IS standards
- All the genset specifications conform to ISO 8528 standard
- Fuel - High Speed Diesel (HSD IS 1460 : 2005)
- ^ Considering 0.845 specific gravity of diesel, 5% tolerance
- \$ Considering 0.89 specific gravity of oil
- All specifications are at standard NTP operating conditions

powerol
by **Mahindra**

Mahindra & Mahindra Ltd.
Powerol Business, Powerol Building,
Gate No. 2, Akurli Road, Kandivali (E),
Mumbai - 400 101, India.

Dealer / OEM address



Toll free no.
1800 419 1999



poweroldg@mahindra.com



mahindrapowerol.com

INTRODUCING THE ALL NEW 285 kVA & 315 kVA GAS GENSETS



Benefits of Mahindra Powerol Gas Genset



Low
operating cost



Zero
fuel handling



Low
noise level



Environment
friendly



Zero
pilferage

285kVA & 315kVA GAS GENSETS

ABOUT POWEROL

In 2001, Mahindra and Mahindra entered into the field of power generation through its engines under the brand name Mahindra Powerol that are propelling Diesel Generating Sets from 5kVA to 625kVA. Mahindra Powerol, known for its fuel efficiency and quick customer response is trusted by telecom & retail customers.

Within short span of time, Mahindra Powerol has garnered immense customer trust which shows its level of commitment and customer centric approach. Presently, its more than 400,000 gensets are powering different industries and applications in Indian and overseas market. Mahindra Powerol through its technology & service has taken a deep stride in the engine and genset industry. In a little over a decade, it has also expanded its footprint in South East Asia, Middle East and Africa.

GAS POWER SOLUTIONS

Mahindra Powerol, with its core engineering strengths & commitment to contribute towards a cleaner environment, has developed gas-powered gensets ranging from 10.5kVA to 315kVA complying with CPCB norms.

LOWEST OPERATING COST



*Actual saving depends on present market prices of HSD and NG

WORLD CLASS ENGINES

These technologically advanced engines come with the highest block loading capacity and produce zero particulate matter with the lowest carbon emissions. The engines are designed to ensure reliability, durability with unmatched performance. It not only offers the lowest maintenance cost but also gives high efficiency with lower fuel consumption. Self-diagnostics provide ease of operation & on-site maintenance.

No Particulate Matter



No SOX Emission

285kVA & 315kVA GAS GENSETS



CONTROL PANEL

- Inbuilt Control panel manufactured with 2 mm CRCA sheet
- MCCB of suitable rating with overload and short circuit protections
- Display of all parameters from outside thru glass door
- MCCB of suitable rating with necessary protections

ADVANCED CONTROLLER

- Powerzone controller with 4.3 Inch HMI Touchscreen colour display with inbuilt Bluetooth & WiFi and LAN Communication
- Synchronisation suitable, Inbuilt governor with Operator interface
- On board manual, Data logging and event recording
- Suitable for LAN and remote communication via Modbus
- Pre event history etc
- Configurable I/O and PLC

TECHNICAL SPECIFICATIONS

Genset Rating (kVA)	285	315
Duty [Standby/ Prime]	Prime	Standby
Power Rating @ 100% kWe (in KW)	228	252
No. of Phases	3 Ph	
Output Voltage (V)	415	
Power Factor (lagging)	0.8	
Current (A)	398.4	438.2
Frequency (Hz) & RPM	50/1500	
Governing Class	G2 as per ISO 8528 part 5	
Genset dimensions (L x W x H) in mm	5225 X 1700 X 3248 (inclde Silencer)	
Genset weight (kg)	6500	
Engine Specification		
Make	Generac	Generac
Model	G14.2 L	G14.2 L
Rated Power at 100% Load (HP)	370	
Aspiration	Turbocharged, Aftercool	
No. of cylinders	6	6
Bore x Stroke (mm)	135 X 165	135 X 165
Displacement (cc)	14.2	14.2
Fuel consumption @ 75% load (kg/hr) **	33.9	41
Fuel consumption @ 100% load (kg/hr)**	42.8	54.3
Starting system	24 V DC Electric	
Lube oil specification	API CG4 15W40	
Total lubrication system capacity (Ltr)	34.4	
Lube oil consumption @ full load (%)	0.062	0.062
Lube oil change period (hrs.)	500	500
Radiator coolant capacity (Ltr)	55	
Alternator		
Make	LS	
Enclosure Type	IP 23	
Voltage regulation	+/-1%	
Class of insulation	Class H	
Maximum Unbalanced Load across Phases (%)	25	

Above specifications are subject to change without notice due to continuous technical developments.

* A tolerance value of +5% will be applicable on declared power values

** A tolerance of +5% shall be applicable on fuel consumption values on account of product to product variation due to engine & +3% of tolerance due to alternator product to product variation

Gas Density: 0.667 Kg/m³ (at NTP)

285 kVA & 315 kVA GAS GENSETS



ACOUSTIC ENCLOSURE

- Canopy is designed to meet MoEF/ CPCB norms of 75 dBA @ 1mtr at 75% load under free field conditions
- Compact Size with ease of access and serviceability
- Insulation material used PU Foam with high quality noise absorbent
- Pretreatment process and UV resistant powder coating of all parts to withstand extreme environment
- Illumination arrangement inside canopy
- Parts processed on CNC machines for consistency in quality and workmanship

SEGMENTS



HEALTHCARE



DATA CENTERS



CNG FILLING STATION



PUBLIC INFRASTRUCTURE



COMMERCIAL BUILDINGS



FACTORY & INDUSTRY



TELECOMMUNICATIONS



RESIDENTIAL BUILDINGS



TRANSPORTATION INFRASTRUCTURE

PEACE OF MIND SERVICE

Powerol sales & service touch points are available across the length & breadth of our country to provide Installation, Commissioning and after sales support. Over 2000 trained technicians are available at these centres for providing doorstep service. All the outlets are well equipped with the necessary spares. So wherever you are, we are always near to you.

SUPPORT IS JUST A CALL AWAY

Our customer care centre is equipped with the latest software for monitoring & time bound escalation till closure of the complaints. To make it simpler for our customers, a common Toll free no. is available for both sales and service support.

powerol
by mahindra

Mahindra & Mahindra Ltd.,
Powerol Business Powerol Building,
Gate No.2, Akurli Road, Kandivali (E),
Mumbai - 400101.

Dealer Stamp:



Toll free no.
1800 419 1099



powerol@mahindra.com



mahindrapowerol.com

India's first* gas powered genset from Mahindra Powerol



ABOUT POWEROL

In 2001, Mahindra and Mahindra entered into the field of power generation through its engines under the brand name Mahindra Powerol that are propelling Diesel Generating Sets from 5 kVA to 625 kVA. Mahindra Powerol, known for its fuel efficiency and quick customer response is trusted by telecom & retail customers.

Within short span of time, Mahindra Powerol has garnered immense customer trust which shows its level of commitment and customer centric approach. Presently, its more than 400,000 gensets are powering different industries and applications in Indian and overseas market. Mahindra Powerol through its technology & service has taken a deep stride in the engine and genset industry. In a little over a decade, it has also expanded its footprint in South East Asia, Middle East and Africa.

Gas Power Solutions

Mahindra, with its core engineering strengths and it's commitment to contribute towards cleaner environment, has developed India's first ever gas powered genset compliant to CPCB II norms.

Lowest operating cost



Benefits of Mahindra Powerol Gas Genset



Low operating cost



Zero fuel handling



Low noise level



Environment friendly



Zero pilferage

Technology



Water Cooled Turbocharger
for maximum power output



Dump valve for improved Block loading

Technical Specifications

General Specification						
Generator Rating [kVA]	10.5	15	20	25	100	125
Duty (Standby/Prime)	Prime	Prime	Prime	Prime	Prime	Prime
Power Rating @ 100% kVA [in kW]	8.4	12	16	20	80	100
No. of Phases	1 Ph / 3 Ph	1 Ph / 3 Ph	1 Ph / 3 Ph	1 Ph / 3 Ph	3 Ph	3 Ph
Output Voltage [V]	230/415	230/415	230/415	230/415	415	415
Power Factor (lagging)	0.8	0.8	0.8	0.8	0.8	0.8
Current [A]	458/148	652/209	87/278	1087/348	139	174
Frequency (Std & RPM)	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500
Governing Class	ISO 3046/1 part 5					
Generator Dimensions [L x W x H] in mm	1875 X 1000 X 1185	1875 X 1000 X 1185	2285 X 1030 X 1255	2285 X 1030 X 1255	3750 x 1300 x 1700	3750 x 1300 x 1700
Generator weight (kg)	780	785	857	860	2610	2260
Engine Specification						
Make	Mahindra	Mahindra	Mahindra	Mahindra	Mahindra	Mahindra
Model	mGreenG235NGCA+	mGreenG235NGCA+	mGreenG235NG	mGreenG235NG	mPowerG150GDC	mPowerG150GDC
Rated Power at 100% Load, HP	23	23	33	33	156	156
Aspiration	NA	NA	NA	NA	TG	TG
No. of cylinders	3	3	4	4	6	6
Bore x Stroke [mm]	88.9 x 110	88.9 x 110	88.9 x 101.6	88.9 x 101.6	106 x 137	106 x 137
Displacement [cc]	2048	2048	2523	2523	7118	7118
Fuel Consumption @ 75% Load [kg/hr] ^a	2.0	2.4	3.6	4	16	20
Fuel Consumption @ 100% Load [kg/hr] ^{a,b}	2.3	3.1	4.4	5	90	95
Starting System	12 V DC Electrical	12 V DC Electrical	12 V DC Electrical	12 V DC Electrical	24 V DC Electrical	24 V DC Electrical
Lube Oil Specification	Maximis CNG Plus	Maximis CNG Plus	Maximis CNG Plus	Maximis CNG Plus	Maximis CNG Plus	Maximis CNG Plus
Total Lubrication System Capacity [Ltr]	6.5	6.5	7	7	20.2	20.2
Lube Oil Consumption @ Full Load ^c	0.15% of fuel consumption					
Lube Oil Change Period [hrs.]	500	500	500	500	500	500
Polybutylene Coolant Capacity [liter]	5.5	5.5	10	10	24	24
Alternator Specification						
Make	CG/LB/9F	CG/LB/9F	CG/LB	CG/LB	CG/LB	CG/LB
Enclosure Type	IP23					
Voltage Regulator	+/- 1% with 4% engine governing					
Class of insulation	Class H					
Maximum Unbalanced Load across Phases	25%					

Above specifications are subject to change without notice due to continuous technical development.

^a A tolerance of +/- 5% will applicable on declared power values.

^b Generator Height (ex. without alternator)

^c A tolerance of +/- 5% shall be applicable on fuel consumption values on account of product to product variation due to engine & +/- 3% of tolerance due to alternator product to product variations.

Gas Density : 0.667 Kg/m³

Certified NG Fuel System components



Zero Pressure regulator



Fuel Control Valve



High Tension Ignition Coil



Gas Air Mixer

World Class Manufacturing



Mahindra engines are manufactured at the state-of-the-art facilities located in Chakan near Pune & Nagpur.

These manufacturing facilities are equipped with:

- Fully automated, controlled environment engine assembly
- Conforms to latest certifications and quality standards
- Quality control systems to maintain highest level of engine quality standards

Engineering Capabilities and Facilities:

- Dedicated R&D set-up at Mahindra Research Valley (MRV) Chennai
- New rating developments
- In-house engine and genset design capability
- Modern equipments & software for design development and upgradation of engines, acoustic enclosure systems and control.
- Test cells for R&D testing

Peace of mind service

Powerol sales & service touch points are available across the length & breadth of our country to provide installation, commissioning and after sales support. Over 2000 trained technicians are available at these centres for providing doorstep service. All the outlets are well equipped with the necessary spares. So wherever you are, we are always near to you.

Support is just a call away

Our customer care centre is equipped with the latest software for monitoring & time bound escalation till closure of the complaints. To make it simpler for our customers, a common toll free no. is available for both sales and service support.



Mahindra & Mahindra Ltd.,
Powerol Business, Powerol Building,
Gate No.2, Akurli Road, Kandivali (E),
Mumbai - 400101.

Dealer Stamp:



Toll free no.
1800 419 1999



powerol@mahindra.com



mahindrapowerol.com

250 kVA & 320 kVA Gensets

Technical Specifications:

Genset Rating (kVA)	250	320
Genset Rating (kW)	200	256
Phase / Voltage (V)	3 / 415	
Power Factor (lagging)	0.8	
Current (A) (3 Phase)	348	445
Frequency (Hz) RPM	50 / 1500	
Governing Class	G2	
Starting System	24	
Fuel Tank Capacity (lit)	425	570
Genset Dimensions (L x W x H) (mm) approx	3990 x 1500 x 1770	4550 x 1600 x 1780
Genset Weight (Kg.)	3300	3550
Engine Specification		
Make	Mahindra mPOWER	Mahindra mPOWER
Model	mPower63105G	mPower63905G
Power Output# (HP)	310	390
Aspiration	TCA	
No. of cylinders	6	
Bore x Stroke (mm)	116.6 x 146.1	
Displacement (Lit)	9.3	9.3
Fuel consumption @ 75% load (lit/hr) ^	41.2	51.5
Fuel consumption @ 100% load (lit/hr) ^	54.1	67.4
Lube Oil Specification	15W40 Ci4+	
Lube Oil Refill Quantity (lit)	30	
Lube Oil Consumption @ Full Load \$	0.1% of Fuel Consumption	
Lube Oil Change Period (hrs.)	500	
Radiator Coolant Refill Quantity (lit)	31	45
Alternator Specification		
Make**	CG/Stamford	CG/LS/Stamford
Enclosure Type	IP23	IP23
Voltage regulation	±1%	±1%
Class of insulation	H	H
Maximum Unbalanced Load across Phases	25%	25%

Notes: Above specifications are subject to change without prior notice due to continuous product improvements. All engines & alternators conform to respective IS standards
All the genset specifications conform to ISO 8528 standard. Fuel-High Speed Diesel (HSDIS 1460:2005)

^ Considering 0.845 specific gravity of diesel, 5% tolerance, \$ Considering 0.89 specific gravity of oil, * For Standby duty, contact Powerol authorized representative

All specifications are at standard NTP operating conditions



Mahindra & Mahindra Ltd.
Powerol Business, Powerol Building,
Gate No. 2, Akurli Road, Kandivali (E),
Mumbai - 400 101, India.

Dealer / OEM address

250-320 kVA - JAN 21

75 Mahindra
Rise.

powerol
by Mahindra

TECHNOLOGY MEETS EFFICIENCY

Mahindra Powerol Diesel Gensets

Presenting
**250 kVA &
320 kVA**



Actual product colour may vary



Toll free no.
1800 419 1999



poweroldg@mahindra.com



mahindrapowerol.com

Powered by **mPOWER** Series Engines

250 kVA & 320 kVA Gensets

Features and Benefits



Advanced Engine

- CRDe technology for better fuel efficiency and emission
- Fully electronic engine, has excellent transient response capability.
- These electronic engines have better diagnostics and troubleshooting capability.
- Highest block loading capacity which makes it ideal for heavy duty applications
- Multi-stage air filter helps in smooth functioning even in dusty conditions

Genset Controller

Premium controller that delivers accurate metering, best in class protection for optimum genset performance. With Genset controller, the genset is always protected against breakdowns from electrical or mechanical flaws and thereby ensures maximum uptime.

Key features

- Compatible with Auto Mains Failure facility
- 50 Log events memory storage
- Comes with RS 485 port for modbus communication as standard scope
- Activation time delay for oil pressure, coolant temperature, voltage and frequency faults
- Routine maintenance & service alerts
- 5 configurable inputs
- Sleep mode
- Remote start & stop facility



Genset Monitoring (Key Parameters)

- Generator/load power (kW, kVA, kVAr, pf), generator/load current, battery voltage.
- RPM, running hours, oil pressure, engine temperature and fuel level

Genset Protection (Key Parameters)

- High engine temperature, low oil pressure, engine over/under speed,
- Over current, over/under voltage, Charging alternator low voltage

Smart DG

Mahindra's Genset Monitoring System makes possible monitoring of all the critical performance parameters anytime from anywhere. It is an end to end ecosystem that connects product and customers over a cloud platform. This helps in better diagnostics of the genset for pro-active maintenance and thereby improving uptime of the genset.

Important features:

- Live information of critical genset performance parameters through Dashboard
- Real-time alerts and notifications
- Scheduled maintenance reminders over SMS and E mail
- Analytical reports for performance check

250 kVA & 320 kVA Gensets

'Lowest Foot Print' point should be under main heading 'Acoustic Enclosure' instead Fuel Tank.

Alternator

- Brushless type, screen protected, revolving field, self-excited alternator conforming to IS/IEC 60034-1
- 3 Phase reconnect type winding with 12 terminals brought out for connection
- Superior winding for harmonic reduction
- Epoxy coating for consistent performance in all weather conditions.
- Better transient response capability



Acoustic Enclosure

- Unique trapezoidal design, makes it aesthetically appealing
- Designed to operate in extreme climatic conditions in temperatures ranging from -10 °C. to 55 °C. without any external aid.
- Superlative fade resistant paint can last longer in tough weather conditions.
- Draw out type fuel tank for easy maintenance
- Fire retardant acoustic and insulation material for better safety
- Lowest foot print



Fuel Tank

- Capacitive Fuel Unit (Highest accuracy level)
- Ease in Fuel Filling (Outside Canopy)



Optional Accessories

PMG alternator, Space Heater, RTD/BTD, Coolant / Oil heater, Synchronization. For more details kindly contact our authorised representative

Unique Service Offering: Powerol Super Shield Plan

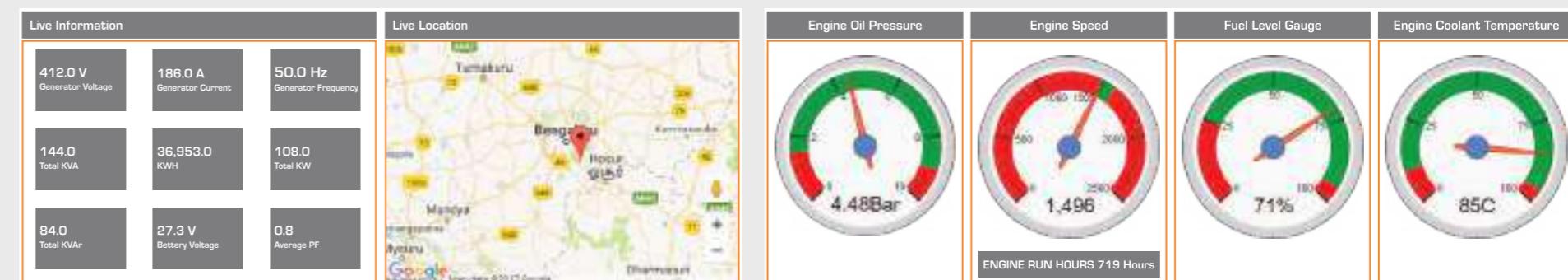
With SUPER SHIELD plan, Powerol takes its reliability even further. Super Shield is a 5-year all-inclusive coverage plan. Which means, zero repair charges, zero service charges and zero spare replacement costs, for five whole years.

Sales & Service Network

- Wide and efficient network to serve you faster and better.
- Over 400 sales and service touch points across India

Support is just a call away

Our customer care centre is equipped with the latest software for monitoring & time bound escalation till closure of the complaints. To make it simpler for our customers, a common Toll free number is available for both sales and service support.





Technical Specifications:

Genset Specification			
Genset Rating (kVA)*	400	500	625
Power Rating (kW)	320	400	500
No. of Phase		3	
Output Voltage (V)		415	
Power Factor (lagging)		0.8	
Current (A) (1 Phase/3Phase)	556	695	869
Frequency (Hz) RPM		50/1500	
Governing Class		G2	
Starting System	24 V DC Electrical		
Fuel Tank Capacity (lit)	700		800
Genset dimensions (L x W x H) (mm) approx.	5000 x 1900 x 2303		5850 x 2000 x 2300
Genset Weight (kg) approx.	5200	5800	7500
Engine Specification			
Make / Series	Perkins		
Engine Model	2206D-E13TAG3	2506D-E15TAG2	2806D-E18TAG 1A
Power Output # (Kw)	367	453	540
Aspiration	TCA		
No. of Cylinders	6		
Bore x Stroke (mm)	130 X 157	137 X 171	145 X 183
Displacement (lit)	12.5	15.2	18.1
Fuel Consumption @ 75% load (lit/hr) ^	65.5	78.6	97
Fuel Consumption @ 100% load (lit/hr) ^	90.5	101	130
Total lubrication system capacity (lit)	40	62	71
Lube Oil Consumption @ Full Load \$	0.1% of Fuel Consumption		
Lube Oil Change Period (hrs.)	500		
Radiator Coolant Capacity (lit)	51.4	48	55.6
Alternator Specification			
Make	CG/LS/Stamford/Equivalent		
Enclosure Type	IP23		
Voltage Regulation	±1%		
Class of Insulation	H		
Maximum Unbalanced Load across Phases	25%		

Above specifications are subject to change without prior notice due to continuous product improvements. All engines & alternators confirm to respective IS standards. All the genset specifications are as per ISO 8528 standard. Fuel - High Speed Diesel (HSD) IS 1460:2005). ^ Considering 0.850 specific gravity of diesel 5% tolerance. \$ Considering 0.89 specific gravity of oil. * For Standby duty, contact Powerol authorized representative. All specifications are at standard NTP operating conditions. All the above gensets conform to the latest CPCB norms of <75 dbA

TECHNOLOGY MEETS EFFICIENCY

Mahindra Powerol Diesel Gensets

Presenting
**400, 500,
625 kVA
Genset**



400, 500 & 625 kVA Gensets

Features and Benefits



Advanced Engine

- MEUI technology for better fuel efficiency and emission
- Excellent transient response capability
- Equipped with ADEM 4 system for better diagnostics and troubleshooting capabilities
- High block loading capacity makes it suitable for heavy duty applications
- Multi-stage air filter helps in smooth functioning even in dusty conditions

Genset Controller

Premium controller that delivers accurate metering, best in class protection for optimum genset performance. With Genset controller, the genset is always protected against breakdowns from electrical or mechanical flaws and thereby ensures maximum uptime.

Key features

- Compatible with Auto Mains Failure facility / AMF ready
- 500 event log memory storage
- Comes with RS 485 port for modbus communication as standard scope
- Activation time delay for oil pressure, coolant temperature, voltage and frequency faults
- Routine maintenance & service alerts
- 7 configurable inputs and 4 DC outputs
- Sleep mode
- Remote start & stop facility
- Engine run time scheduler



Genset Monitoring (Key Parameters)

- Generator/load power (kW, kVA, kVAr, pf), generator/load current, battery voltage.
- RPM, running hours, oil pressure, engine temperature and fuel level

Genset Protection (Key Parameters)

- High engine temperature, low oil pressure, engine over/under speed,
- Over current, over/under voltage, Charging alternator low voltage
- Engine overload protection

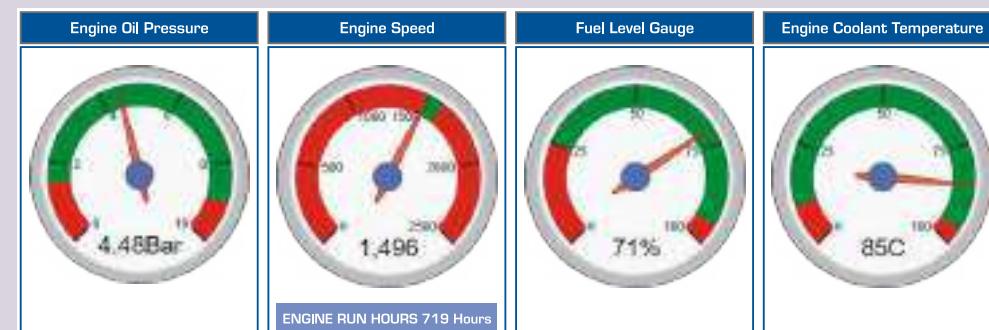
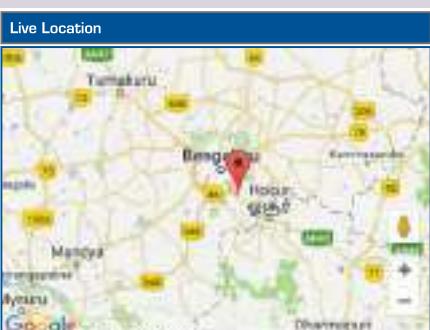
Smart DG

Mahindra's Genset Monitoring System makes possible monitoring of all the critical performance parameters anytime from anywhere. It is an end to end ecosystem that connects product and customers over a cloud platform. This helps in better diagnostics of the genset for pro-active maintenance and thereby improving uptime of the genset.

Important features:

- Live information of critical genset performance parameters through Dashboard
- Real-time alerts and notifications
- Scheduled maintenance reminders over SMS and E mail
- Analytical reports for performance check

Live Information		
412.0 V Generator Voltage	186.0 A Generator Current	50.0 Hz Generator Frequency
144.0 Total KVA	36,953.0 KWH	108.0 Total KW
84.0 Total KVar	27.3 V Battery Voltage	0.8 Average PF



400, 500 & 625 kVA Gensets

Alternator

- Brushless type, screen protected, revolving field, self-excited alternator conforming to IS/IEC 60034-1
- 3 Phase reconnect type winding with 12 terminals brought out for connection
- Superior winding for harmonic reduction
- High non-linear load capability
- Epoxy coating for consistent performance in all weather conditions.
- Better transient response capability
- 2/3 pitch winding for 3rd harmonic elimination



Acoustic Enclosure

- Use of latest CFD, CAE & NVH tools in design
- Designed to operate in extreme climatic conditions in temperatures ranging from -10 °C. to 55 °C. without any external aid.
- Superlative fade resistant paint can last longer in tough weather conditions.
- Draw out type fuel tank for easy maintenance
- Fire retardant acoustic and insulation material for better safety.



Optional Accessories

PMG alternator, Space Heater, RTD/BTD, Coolant / Oil heater, Synchronization. For more details kindly contact our authorised representative

Sales & Service Network

- Wide and efficient network to serve you faster and better.
- Over 400 sales and service touch points across India

Support is just a call away

Our customer care centre is equipped with the latest software for monitoring & time bound escalation till closure of the complaints. To make it simpler for our customers, a common Toll free number is available for both sales and service support.



HOW TO RUN YOUR PUMP WITHOUT POWER WITHOUT LOSING A SINGLE CUSTOMER

Presenting **CPCB IV+ Compliant Gensets**



RANGE: 10kVA TO 20kVA



Low Maintenance



400 Sales & Service
Touch Points



Product Life
Cycle Support



Best-in-class
Fuel Efficiency



Superior
Performance



Excellent Block
Loading Capacity



IoT
Features

Product Salient Feature

- Low operating & maintenance cost with service interval of 500Hrs/1 Year
- Wide Service Support Network across PAN India
- Supply to various rugged applications
- Proven engine in industry
- CPCB IV+ Complaint
- Single Window Warranty Policy
- Sales, Service, Spares, Warranty under one umbrella
- Low foot print
- Standard warranty of 2 Years/5000 Hours whichever is earlier for complete genset



Engine

- Mahindra Mechanical Engine, In-Line 4 stroke, radiator cooled engine
- Low fuel consumption with inline fuel pump
- Dry type air cleaner with service indicator
- First fill of lube oil & coolant
- Electrical starter motor with soft start system
- Battery charging alternator
- 1 X 12 Volts DC battery



Alternator

- Brushless type, screen protected, revolving field,
- Self-excited alternator conforming to IS/IEC 60034-1
- A reliable long life with superior class 'H' insulation
- Higher motor starting capability.
- Better transient response
- Ease of maintenance with integrated components and outboard Exciter/Rotating Rectifier
- Lighter and more compact with sealed bearings for lesser maintenance and longer life



Controller

- SEDEMAC GC111X is a powerful ARM microprocessor based genset monitoring, metering and control system with full graphics LCD display for easy front panel access
- AMF, manual and remote start / stop modes for 1-ph & 3-ph gensets
- Backlit and full graphics display with power saving feature
- Engine parameter monitoring -Lube oil pressure, Engine coolant temperature, Fuel level, Battery voltage, Engine running hours
- AC Alternator parameter monitoring -Voltage LN & LL, Current, kW, kVA (Phase & Total), Frequency, kWh, PF
- Genset Protection:
 - Engine: Low lube oil pressure, High coolant temperature, Battery High/Low Volts, Fail to Start, Sensor failure, Low fuel level, Over speed
 - AC Alternator: Over/Under Voltage, Over/Under Frequency, Loss of AC sensing, Over frequency, Over Current, KW Overload, Unbalancing load
- Maintenance notification based on Engine Run Hour & due date
- Communication: USB port, RS485, CAN
- Fully configurable via front panel



Acoustic Enclosure

- Specially designed to meet stringent MoEF/ CPCB norms
- Designed to operate in extreme climatic conditions in temperatures ranging from -10 deg to 55 deg without any external aid
- Superlative fade resistant paint can last longer in tough weather conditions
- Draw out type fuel tank for easy maintenance
- Fire retardant acoustic and insulation material (PLI Foam/Rockwool) for better safety
- Lowest foot print
- Easy access for serviceable parts
- Pretreatment process with UV resistant powder coating of all parts
- A special Residential silencer is provided to control exhaust noise & emission
- Engine and alternator are mounted on a common MS fabricated base frame with AVM pads
- Ease in fuel filling (Outside Canopy)



Control Panel

- Powder Coated Control Panel for weather-proof and long lasting finish. The control panel consists of the following parts:
- SEDEMAC GC111X Controller
- Power Cable/ Bus bars with suitable capacity with incoming/outgoing terminals
- Indicating lamps for 'Load ON' and 'Set Running'
- Fuses/MCB's for control circuit safety protection
- MCCB of suitable rating with short circuit protections
- Battery Charger

Optional Accessories

- Remote Monitoring System
- Cold Starting System (Temperature range up to -20 deg)
- AMF/ATS/Sync. Controller/Sync. Panel
- PMG Alternator, Space heater, RTD/BTD

Remote Monitoring System

- Powerol generators are equipped with Real time remote monitoring system.
- Generator owners can monitor and diagnose their genset or entire fleet of generators from anywhere, anytime ensuring good health and efficiency of the generator.
- All these critical indication alerts & notifications are sent to user mobile or PC
- The generator sets can be monitored using the available web application and mobile (Android and iOS) application from any PC or mobile across the globe.



 Real-Time Monitoring	 Easy Installation
 Remote Management	 Plug & Play Device



Technical Specifications:

Genset Rating (kVA)	10	*15	15	*20
DG Model	M100DR	MB150DR	M150DR	MB200DR
Power Rating (kWe)	8	12	12	16
No. of Phases	1/3	1/3	1/3	1/3
Output Voltage (V)	230/415	230/415	230/415	230/415
Power Factor (lagging)	0.8	0.8	0.8	0.8
Current (A) (1Phase / 3Phase)	43.5/13.9	65.2/20.9	65.2/20.9	87/27.8
Frequency (Hz)/ RPM	50/1500	50/1500	50/1500	50/1500
Governing Class	G2	G2	G2	G2
Starting System	12 Volt DC	12 Volt DC	12 Volt DC	12 Volt DC
Fuel Tank Capacity (lit)	55	55	75	75
Genset Dimension (LxWxH ^(*)) (mm) Approx.	1750 X 900 X 1250	1750 X 900 X 1250	1990 X 900 X 1330	1990 X 900 X 1330
Engine Specification				
Make	Mahindra	Mahindra	Mahindra	Mahindra
Model	M2155G1	M2115G2	M3205G1	M3205G2
Fuel system	Mechanical	Mechanical	Mechanical	Mechanical
Rated Power Output [*] (HP)	16.3	18.3	22.7	25.2
Aspiration	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated
No. of Cylinders	2	2	3	3
Bore x Stroke (mm)	88.9 x 120	88.9 x 120	88.9 x 110	88.9 x 110
Displacement (Ltr)	1.5	1.5	2.0	2.0
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oil capacity (lit)	5	5	6.2	6.2
Lube Oil Change Period (hrs.)	500Hrs	500Hrs	500Hrs	500Hrs
Radiator Coolant Capacity (lit)	5.5	5.5	5.5	5.5
Alternator Specification				
Make	LS/CG	LS/CG	LS/CG	LS/CG
Enclosure Type	IP23	IP23	IP23	IP23
Voltage Regulation	+/- 1%	+/- 1%	+/- 1%	+/- 1%
Class of Insulation	H	H	H	H
Maximum Unbalanced load across Phases	25%	25%	25%	25%

Notes:

Above specifications are subject to change without prior notice due to continuous product improvements. 1 All engines & alternators conform to respective IS standards
 All the gennet specifications conform to ISD 6528 standard. 1 All Specifications are at Standard NTP operating conditions. 1 * Considering 0.845 Specific Gravity of diesel, +5 % Tolerance 1
 # Engine Power at 130 % load Fuel, High Speed diesel (ISD 151460:2005) 1 * Represent the Standby Ratings. 1 \$ Considering 0.89 Specific Gravity of Oil, Engine Power will have x 5 % Tolerance 1
 ** For CG only 3 Phase Configuration available 1 \$S Height Without Silencer



Low Fuel Consumption



Low Ownership Cost



Long Life Reliable



Easy Serviceability



**RANGE:
10kVA TO 20kVA**



powerol
by mahindra

Mahindra & Mahindra Ltd.

POWEROL DIVISION

MHEL, 1st Floor, Gate No.12, A-3/1, Talwade, Chakan Road,
Chakan Industrial Area, Phase IV, Nigdi, Maharashtra - 410503.

Dealer /OEM address



Toll free no.
1800 419 1999



powerol@ppm.mahindra.com



mahindrapowerol.com

POWERING THE GROWTH JOURNEY OF THE NATION

High Performance Gensets are now

Presenting **CPCB IV+ Compliant Gensets**



Range available for all Diesel & Gas Gensets
10kVA TO 320kVA



Low Maintenance



400 Sales & Service
Touch Points



Product Life
Cycle Support



Best-in-class
Fuel Efficiency



Superior
Performance



Excellent Block
Loading Capacity



IOT
Feature

Product Salient Feature

- Low operating & maintenance cost with service interval of 500Hrs/1 Year
- Wide Service Support Network across PAN India
- Supply to various rugged applications
- Proven engine in industry
- CPCB IV+ Complaint
- Remote Monitoring System as a standard feature
- Single Window Warranty Policy
- Sales, Service, Spares, Warranty under one umbrella
- Low footprint
- >Standard warranty of 2 Years/5000 Hours whichever is earlier for complete genset
- >5C Warranty for 5 Years/5000 Hours whichever is earlier



Engine

- Mahindra Electronic Engine, In-Line 4 stroke, radiator cooled engine
- CRDI engine with Low fuel consumption
- Dry type air cleaner with service indicator
- First fill of lube oil, coolant & DEF
- Electrical starter motor with soft start system
- Battery charging alternator
- 1 X 12 Volts DC battery



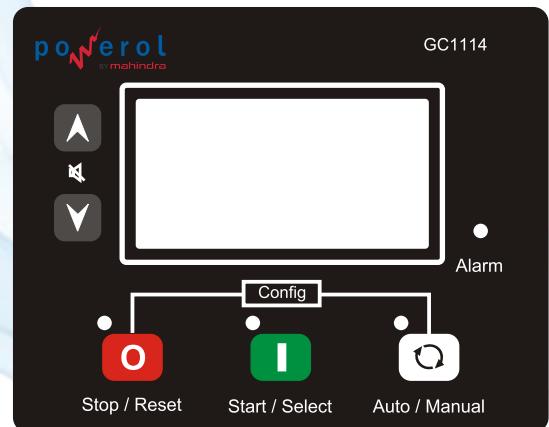
Alternator

- Brushless type, screen protected, revolving field.
- Self-excited alternator conforming to IS/IEC 60034-1
- A reliable long life with superior class 'H' insulation
- Higher motor starting capability.
- Better transient response
- Ease of maintenance with integrated components and outboard Exciter/Rotating Rectifier
- Lighter and more compact with sealed bearings for lesser maintenance and longer life



Controller

- SEDEMAC GC111X is a powerful ARM microprocessor based genset monitoring, metering and control system with full graphics LCD display for easy front panel access
- AMF, manual and remote start/stop modes for 1-ph & 3-ph gensets
- Backlit and full graphics display with power saving feature
- Engine parameter monitoring -Lube oil pressure, Engine coolant temperature, Fuel level, Battery voltage, Engine running hours
- AC Alternator parameter monitoring -Voltage L-N & L_L,
- Current, kW, kVA (Phase & Total), Frequency, kWH, PF
- Genset Protection:
 - Engine: Low lube oil pressure, High coolant temperature, Battery High/Low Volts, Fail to
 - Start, Sensor failure, Low fuel level, Over speed
 - AC Alternator: Over/Under Voltage, Over/Under Frequency, Loss of AC sensing, Over frequency, Over Current,
 - KW Overload, Unbalancing load
 - Maintenance notification based on Engine Run Hour & due date
 - Communication: USB port, RS485, CAN
 - Fully configurable via front panel



Acoustic Enclosure

- Specially designed to meet stringent MOEF/CPCB norms
- Designed to operate in extreme climatic conditions in temperatures ranging from -10 deg to 55 deg without any external aid
- Superlative fade resistant paint can last longer in tough weather conditions
- Draw out type fuel tank for easy maintenance
- Fire retardant acoustic and insulation material (PU Foam/Rockwool) for better safety
- Lowest foot print
- Easy access for serviceable parts
- Pretreatment process with UV resistant powder coating of all parts
- After Treatment System (ATS) for Emission compliance
- Engine and alternator are mounted on a common MS fabricated base frame with AVM pads
- Ease in fuel filling (Outside Canopy)



Control Panel

- Powder Coated Control Panel for weather proof and long lasting finish.
The control panel consists of the following parts:
 - SEDEMACGC111X Controller
 - Power Cable/ Bus bars with suitable capacity with incoming/ outgoing terminals
 - Indicating lamps for 'Load ON' and 'Set Running'
 - Fuses/MCB's for control circuit safety protection
 - MCCB of suitable rating with short circuit protections
 - Battery Charger

Optional Accessories

- Cold Starting System (Temperature range upto-20 deg.)
- AMF/ATS/Sync. Controller/Sync. Panel
- PMG Alternator, Space heater, RTD/BTD

Applications



Clinics



Industries



Residences



Small Offices

TECHNICAL SPECIFICATION

Genset Rating (kVA)	10	*15
DG Model	M10DR	MB15DR
Power Rating (kWe)	8	12
No. of Phases	1/3	1/3
Output Voltage (V)	230/415	230/415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	43.5/13.9	65.2/20.9
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G2	G2
Starting System	12 V DC electrical	12 V DC electrical
Fuel Tank Capacity (lit)	55	55
Genset Dimension (LxWxH \$\$) (mm) Approx.	1750 X 900 X 1250	1750 X 900 X 1250
Engine Specification		
Make	Mahindra	Mahindra
Model	M2155G1	M2155G2
Fuel System	Mechanical	Mechanical
Rated Power Output# (HP)	16.3	18
Aspiration	Naturally Aspirated	Naturally Aspirated
No. of Cylinders	2	2
Bore x Stroke (mm)	88.9 x 120	88.9 x 120
Displacement (Ltr)	1.5	1.5
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oll capacity (lit)	5	5
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	5.5	5.5
Alternator Specification		
Make	LS/CG	LS/CG
Enclosure Type	IP23	IP23
Volatge Regulation	+/- 1%	+/-1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%



Low Fuel Consumption



Low Ownership Cost



Long Life Reliable



Easy Serviceability

TECHNICAL SPECIFICATION

Genset Rating (kVA)	15	*20
DG Model	M15DR	MB20DR
Power Rating (kWe)	12	16
No. of Phases	1/3	1/3
Output Voltage (V)	230/415	230/415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	65.2/20.9	87/27.8
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G2	G2
Starting System	12 V DC electrical	12 V DC electrical
Fuel Tank Capacity (lit)	75	75
Genset Dimension (LxWxH \$\$) (mm) Approx.	1990 X 900 X 1330	1990 X 900 X 1330
Engine Specification		
Make	Mahindra	Mahindra
Model	M3205G1	M3205G2
Fuel System	Mechanical	Mechanical
Rated Power Output# (HP)	22.7	25.2
Aspiration	Naturally Aspirated	Naturally Aspirated
No. of Cylinders	3	3
Bore x Stroke (mm)	88.9 x 110	88.9 x 110
Displacement (Ltr)	2.0	2.0
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oll capacity (lit)	6.2	6.2
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	5.5	5.5
Alternator Specification		
Make	LS/CG	LS/CG
Enclosure Type	IP23	IP23
Volatge Regulation	+/- 1%	+/-1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%

Notes:

- Above specifications are subject to change without prior notice due to continuous product improvements
- All engines & alternators conform to respective IS standards
- All the genset specifications conform to ISO 8528 standard
- All Specifications are at Standard NTP operating conditions

TECHNICAL SPECIFICATION

Genset Rating (kVA)	20	*25
DG Model	M20DR	MB25DR
Power Rating (kWe)	16	20
No. of Phases	1/3	1/3
Output Voltage (V)	230/415	230/415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	97.8/31.3	108.7/34.8
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System	12 V DC electrical	12 V DC electrical
Fuel Tank Capacity (lit)	75	75
Genset Dimension (LxWxH \$\$) (mm) Approx.	1990 X 900 X 1330	1990 X 900 X 1330
Engine Specification		
Make	Mahindra	Mahindra
Model	M3205G3	M3205G3
Fuel System	Electronic	Electronic
Rated Power Output# (HP)	30.5	30.5
Aspiration	Turbocharged	Turbocharged
No. of Cylinders	3	3
Bore x Stroke (mm)	88.9 x 110	88.9 x 110
Displacement (Ltr)	2.0	2.0
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oll capacity (lit)	7	7
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	5.5	5.5
Alternator Specification		
Make	LS/CG	LS/CG
Enclosure Type	IP23	IP23
Volatge Regulation	+/- 1%	+/- 1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%

- Considering 0.845 Specific Gravity of diesel, +5% Tolerance
- Fuel - High Speed diesel (HSD IS 1460:2005)
- Represent the Standby Ratings
- Considering 0.89 Specific Gravity of Oil Engine Power will have + 5% Tolerance
- Height Without Silencer

TECHNICAL SPECIFICATION

Genset Rating (kVA)	25	30
DG Model	M25DR	M30DR
Power Rating (kWe)	20	24
No. of Phases	1/3	1/3
Output Voltage (V)	230/415	230/415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	108.7/34.8	130.4/41.7
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System	12 V DC electrical	12 V DC electrical
Fuel Tank Capacity (lit)	75	75
Genset Dimension (LxWxH \$\$) (mm) Approx.	1990 X 900 X 1330	2325 X 980 X 1330
Engine Specification		
Make	Mahindra	Mahindra
Model	M3205G4	M3205G5
Fuel System	Electronic	Electronic
Rated Power Output# (HP)	35.1	40.0
Aspiration	Turbocharged	Turbocharged & Intercooled
No. of Cylinders	3	3
Bore x Stroke (mm)	88.9 x 110	88.9 x 110
Displacement (Ltr)	2.0	2.0
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oll capacity (lit)	7	7
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	9.5	9.5
Alternator Specification		
Make	LS/CG	LS/CG
Enclosure Type	IP23	IP23
Volatge Regulation	+/-1%	+/-1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%

TECHNICAL SPECIFICATION

Genset Rating (kVA)	*35	40
DG Model	MB35DR	M40DR
Power Rating (kWe)	28	32
No. of Phases	1/3	1/3
Output Voltage (V)	230/415	230/415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	152.2 / 48.7	173.9 / 55.6
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System	12 V DC electrical	12 V DC electrical
Fuel Tank Capacity (lit)	115	115
Genset Dimension (LxWxH \$\$) (mm) Approx.	2325 X 980 X 1330	2325 X 980 X 1330
Engine Specification		
Make	Mahindra	Mahindra
Model	M3205G5	M4275G1
Fuel System	Electronic	Electronic
Rated Power Output# (HP)	40.0	51.8
Aspiration	Turbocharged & Intercooled	Turbocharged & Intercooled
No. of Cylinders	3	4
Bore x Stroke (mm)	88.9 x 110	88.9 x 110
Displacement (Ltr)	2.0	2.7
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oll capacity (lit)	7	10.5
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	9.5	9.5
Alternator Specification		
Make	LS/CG	LS/CG
Enclosure Type	IP23	IP23
Volatge Regulation	+/- 1%	+/-1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%

TECHNICAL SPECIFICATION

Genset Rating (kVA)	*45	50
DG Model	MB45DR	M50DR
Power Rating (kWe)	36	40
No. of Phases	1/3	3
Output Voltage (V)	230/415	415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	195.2/62.6	69.6
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System	12 V DC electrical	12 V DC electrical
Fuel Tank Capacity (lit)	115	115
Genset Dimension (LxWxH \$\$) (mm) Approx.	2325 X 980 X 1330	2600 X 1130 X 1575
Engine Specification		
Make	Mahindra	Mahindra
Model	M4275G1	V4355G1
Fuel System	Electronic	Electronic
Rated Power Output# (HP)	51.8	65.4
Aspiration	Turbocharged & Intercooled	Turbocharged & Intercooled
No. of Cylinders	4	4
Bore x Stroke (mm)	88.9 x 110	96 x 122
Displacement (Ltr)	2.7	3.5
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oll capacity (lit)	10.5	8.5
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	9.5	15
Alternator Specification		
Make	LS/CG	LS/CG
Enclosure Type	IP23	IP23
Volatge Regulation	+/-1%	+/-1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%

TECHNICAL SPECIFICATION

Genset Rating (kVA)	58.5	75
DG Model	M58.5DR	M75DR
Power Rating (kWe)	46.8	60
No. of Phases	3	3
Output Voltage (V)	415	415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	81.3	104.3
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System	12 V DC electrical	12 V DC electrical
Fuel Tank Capacity (lit)	156	169
Genset Dimension (LxWxH \$\$) (mm) Approx.	2600 X 1130 X 1575	3190 X 1225 X 1575
Engine Specification		
Make	Mahindra	Mahindra
Model	V4355G2	V4355G3
Fuel System	Electronic	Electronic
Rated Power Output# (HP)	75.5	101.3
Aspiration	Turbocharged & Intercooled	Turbocharged & Intercooled
No. of Cylinders	4	4
Bore x Stroke (mm)	96 x 122	96 x 122
Displacement (Ltr)	3.5	3.5
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oll capacity (lit)	8.5	11.5
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	15	19
Alternator Specification		
Make	LS/CG	LS/CG
Enclosure Type	IP23	IP23
Volatge Regulation	+/-1%	+/-1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%

TECHNICAL SPECIFICATION

Genset Rating (kVA)	82.5	100
DG Model	M82.5DR	M100DR
Power Rating (kWe)	66	80
No. of Phases	3	3
Output Voltage (V)	415	415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	114.8	139
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System	12 V DC electrical	12
Fuel Tank Capacity (lit)	169	250
Genset Dimension (LxWxH \$\$) (mm) Approx.	3190 X 1225 X 1575	3950 X 1350 X 1425
Engine Specification		
Make	Mahindra	Mahindra
Model	V4355G4	H4485G2
Fuel System	Electronic	Electronic
Rated Power Output# (HP)	101.3	126
Aspiration	Turbocharged & Intercooled	TCIC
No. of Cylinders	4	4
Bore x Stroke (mm)	96 x 122	105 x 137
Displacement (Ltr)	3.5	4.7
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oll capacity (lit)	11.5	13.5
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	19	19
Alternator Specification		
Make	LS/CG	LS/CG/Equivalent
Enclosure Type	IP23	IP23
Volatge Regulation	+/-1%	+/-1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%

TECHNICAL SPECIFICATION

Genset Rating (kVA)	125	160
DG Model	M125DR	M160DR
Power Rating (kWe)	100	128
No. of Phases	3	3
Output Voltage (V)	415	415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	174	222
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System	12	12
Fuel Tank Capacity (lit)	250	388
Genset Dimension (LxWxH \$\$) (mm) Approx.	3950 X 1350 X 1425	4201 X 1400 X 1745
Engine Specification		
Make	Mahindra	Mahindra
Model	H4485G1	H6725G2
Fuel System	Electronic	Electronic
Rated Power Output# (HP)	156	199
Aspiration	TCIC	TCIC
No. of Cylinders	4	6
Bore x Stroke (mm)	105 x 137	105 x 137
Displacement (Ltr)	4.7	7.2
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oll capacity (lit)	13.5	20.2
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	19	25
Alternator Specification		
Make	LS/CG/Equivalent	LS/CG/Equivalent
Enclosure Type	IP23	IP23
Volatge Regulation	+/-1%	+/-1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%

TECHNICAL SPECIFICATION

Genset Rating (kVA)	180	200
DG Model	M180DR	M200DR
Power Rating (kWe)	144	160
No. of Phases	3	3
Output Voltage (V)	415	415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	250	278
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System	12	12
Fuel Tank Capacity (lit)	388	388
Genset Dimension (LxWxH \$\$) (mm) Approx.	4201 X 1400 X 1745	4201 X 1400 X 1745
Engine Specification		
Make	Mahindra	Mahindra
Model	H6725G3	H6725G4
Fuel System	Electronic	Electronic
Rated Power Output# (HP)	223	247
Aspiration	TCIC	TCIC
No. of Cylinders	6	6
Bore x Stroke (mm)	105 x 137	105 x 137
Displacement (Ltr)	7.2	7.2
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oll capacity (lit)	20.2	20.2
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	24	24
Alternator Specification		
Make	CG/LS/Equivalent	CG/LS/Equivalent
Enclosure Type	IP23	IP23
Volatge Regulation	+/-1%	+/-1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%

TECHNICAL SPECIFICATION

Genset Rating (kVA)	250	320
DG Model	M250DR	M320DR
Power Rating (kWe)	200	256
No. of Phases	3	3
Output Voltage (V)	415	415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	348	445
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System	24	24
Fuel Tank Capacity (lit)	425	570
Genset Dimension (LxWxH \$\$) (mm) Approx.	4750 X 1600 X 2000	4750 X 1600 X 2000
Engine Specification		
Make	Mahindra Heavy Engines Ltd	Mahindra Heavy Engines Ltd
Model	H6935G1	H6935G2
Fuel System	Electronic	Electronic
Rated Power Output# (HP)	310	390
Aspiration	TCIC	TCIC
No. of Cylinders	6	6
Bore x Stroke (mm)	116.6 x 146.1	116.6 x 146.1
Displacement (Ltr)	9.3	9.3
Lube Oil Specification	15W40 Ci4+	15W40 Ci4+
Total Lube Oll capacity (lit)	35	35
Lube Oil Change Period (hrs.)	500 Hrs	500 Hrs
Radiator Coolant Capacity (lit)	31	45
Alternator Specification		
Make	CG/LS/Equivalent	CG/LS/Equivalent
Enclosure Type	IP23	IP23
Volatge Regulation	+/-1%	+/-1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%



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BY mahindra

Mahindra & Mahindra Ltd.

Mahindra Powerol
MHEL, 1st Floor, Gate No. 12, A-1/1,
Talawade Chakan Rd, Chakan Industrial Area,
Phase-IV, Nigoje, Maharashtra, 410501.

Local Contact



HOW TO KEEP YOUR BUILDING RUNNING WITHOUT POWEROL WITHOUT INTERRUPTIONS

Presenting **CPCB IV+ Compliant Gensets**



RANGE: 250kVA to 320kVA



Low Maintenance



400 Sales & Service
Touch Points



Product Life
Cycle Support



Best-in-class
Fuel Efficiency



Superior
Performance



Excellent Block
Loading Capacity



IoT
Feature

Product Salient Feature

- Low operating & maintenance cost with service interval of 500Hrs/1 Year
- Wide Service Support Network across PAN India
- Supply to various rugged applications
- Proven engine in industry
- CPCB IV+ Complaint
- Remote Monitoring System as a standard feature
- Single Window Warranty Policy
- Sales, Service, Spares, Warranty under one umbrella
- Low foot print
- Standard warranty of 2 Years/5000 Hours whichever is earlier for complete genset
- 5C Warranty for 5 Years)/5000 Hours whichever is earlier



Engine

- Mahindra Electronical Engine, 6 Cylinder In-Line 4 stroke, radiator cooled engine
- CROI engine with Low fuel consumption
- Dry type air cleaner with service Indicator
- First fill of lube oil, coolant & DEF
- Electrical starter motor with soft start system
- Battery charging alternator
- 2 No's X 12 Volts DC battery



Alternator

- Brushless type, screen protected, revolving field,
- Self-excited alternator conforming to IS/IEC 60034-1
- A reliable long life with superior class 'H' insulation
- Higher motor starting capability
- Better transient response
- Ease of maintenance with integrated components and outboard Exciter/Rotating Rectifier
- Lighter and more compact with sealed bearings for lesser maintenance and longer life



Controller

- SEDEMAC GC111X is a powerful ARM microprocessor based genset monitoring, metering and control system with full graphics LCD display for easy front panel access
- AMF, manual and remote start / stop modes for 1-ph & 3-ph gensets
- Backlit and full graphics display with power saving feature
- Engine parameter monitoring -Lube oil pressure, Engine coolant temperature, Fuel level, Battery voltage, Engine running hours
- AC Alternator parameter monitoring -Voltage L-N & LL, Current, kW, kVA (Phase & Total), Frequency, kWh, PF
- Genset Protection:
Engine: Low lube oil pressure, High coolant temperature, Battery/ High/Low Volts, Fail to Start, Sensor failure, Low fuel level, Over speed AC Alternator Over/Under Voltage, Over/Under Frequency, Loss of AC sensing, Over frequency, Over Current, kW Overload, Unbalancing load
- Maintenance notification based on Engine Run Hour & due date
- Communication: USB port, RS485, CAN
- Fully configurable via front panel



Acoustic Enclosure

- Specially designed to meet stringent MoEF/ CPCB norms
- Designed to operate in extreme climatic conditions in temperatures ranging from -10 deg to 55 deg without any external aid
- Superlative fade resistant paint can last longer in tough weather conditions
- Draw out type fuel tank for easy maintenance
- Fire retardant acoustic and insulation material (PU Foam/Rockwool) for better safety
- Lowest foot print
- Easy access for serviceable parts
- Pretreatment process with UV resistant powder coating of all parts
- After Treatment System (ATS) for Emission compliance
- Engine and alternator are mounted on a common MS fabricated base frame with AVM pads
- Ease in fuel filling (Outside Canopy)



Control Panel

- Powder Coated Control Panel for weather-proof and long lasting finish. The control panel consists of the following parts:
 - SEDEMAC GC111X Controller
 - Power Cable/ Bus bars with suitable capacity with incoming/outgoing terminals
 - Indicating lamps for 'Load ON' and 'Set Running'
 - Fuses/MCB's for control circuit safety protection
 - MCCB of suitable rating with short circuit protections
 - Battery Charger

Optional Accessories

- Cold Starting System (Temperature range up to -20 deg.)
- AMF/ATS/Sync. Controller/Sync. Panel
- PMG Alternator, Space heater, RTD/BTD

Remote Monitoring System

- Powervol generators are equipped with Real time remote monitoring system.
- Generator owners can monitor and diagnose their genset or entire fleet of generators from anywhere, anytime ensuring good health and efficiency of the generator.
- All these critical indication alerts & notifications are sent to user mobile or PC
- The generator sets can be monitored using the available web application and mobile (Android and iOS) application from any PC or mobile across the globe.





Technical Specifications:

Genset Rating (kVA)	250	320
DG Model	M2500R	M3200R
Power Rating (kWe)	200	256
No. of Phases	3	3
Output Voltage (V)	415	415
Power Factor (lagging)	0.8	0.8
Current (A) (1Phase / 3Phase)	348	445
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System	24 Volt DC	24 Volt DC
Fuel Tank Capacity (lit)	425	578
Genset Dimension (LxWxH ⁽¹⁾) (mm) Approx.	4750X 1600 X 2000	4750X 1600 X 2000
Engine Specification		
Make	Mahindra	Mahindra
Model	H693561	H693562
Fuel system	Electronic	Electronic
Rated Power Output ⁽²⁾ (HP)	310	390
Aspiration	Turbocharged & Intercooled	Turbocharged & Intercooled
No. of Cylinders	6	6
Bore x Stroke (mm)	116.6 x 146.1	116.6 x 146.1
Displacement (Ltr)	9.3	9.3
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oil capacity (lit)	35	35
Lube Oil Change Period (hrs)	500Hrs	500Hrs
Radiator Coolant Capacity (lit)	31	31
Alternator Specification		
Make	CG/LS/EQUIVELENT	CG/LS/EQUIVELENT
Enclosure Type	IP23	IP23
Voltage Regulation	+/- 1%	+/- 1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%

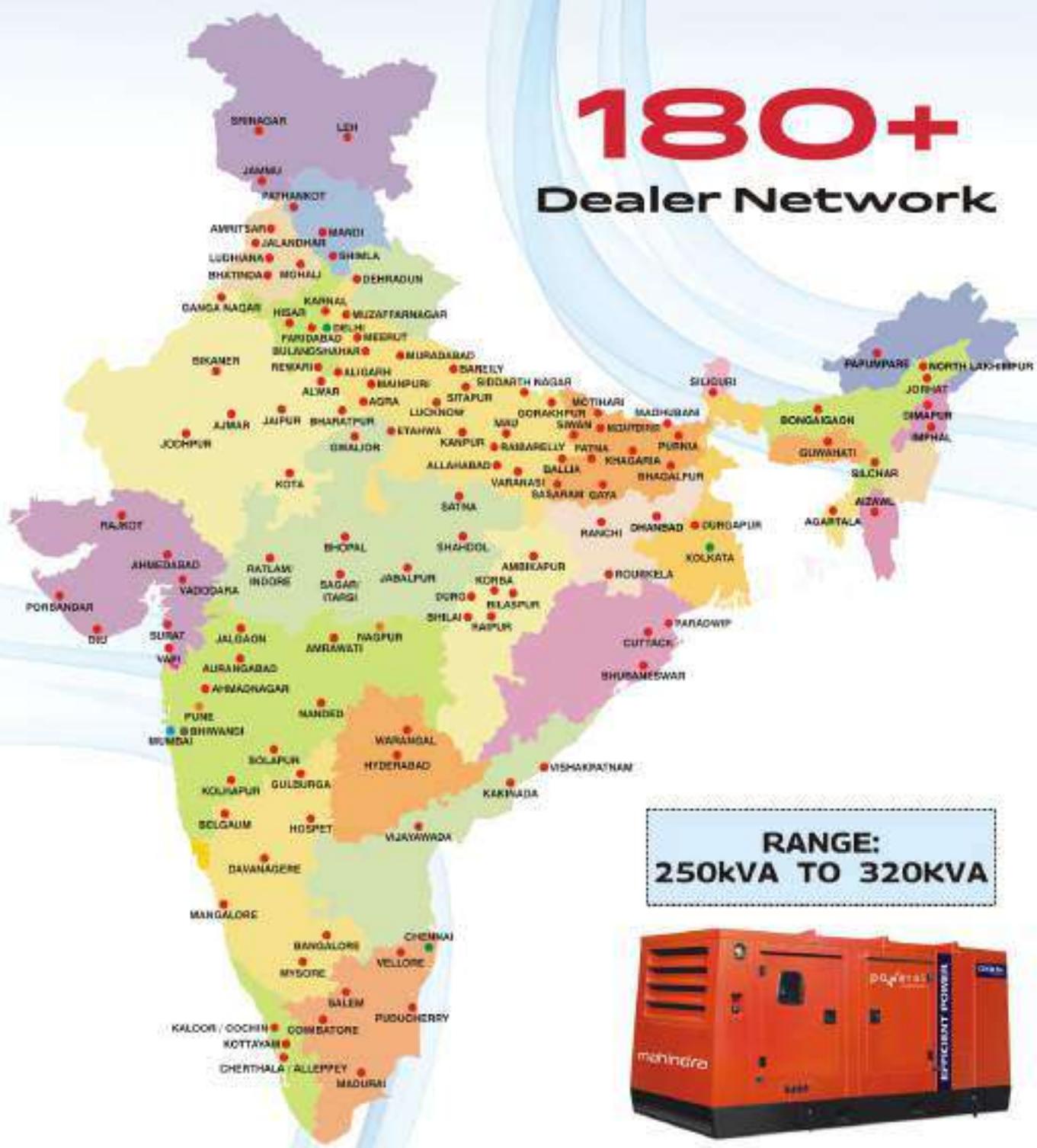
Notes:

Above specifications are subject to change without prior notice due to continuous product improvements. 1- All engines & alternators conform to respective IS standards. All the genset specifications conform to IS standards. 2- All specifications are at standard MTH operating conditions. 1- Considering certain Specific Gravity of Diesel (0.85), Tolerance. 2- Engine Power at ±10% load Fuel-High Speed diesel (HSDIS 14602005). 1- Represent the Standby Ratings. 2- Considering 0.98 Specific Gravity of Oil. Engine Power will have a 5% Tolerance. 3- For CG only 3 Phase Configuration available. 4- 55 Height without Silence.





180+
Dealer Network



RANGE:
250kVA TO 320kVA



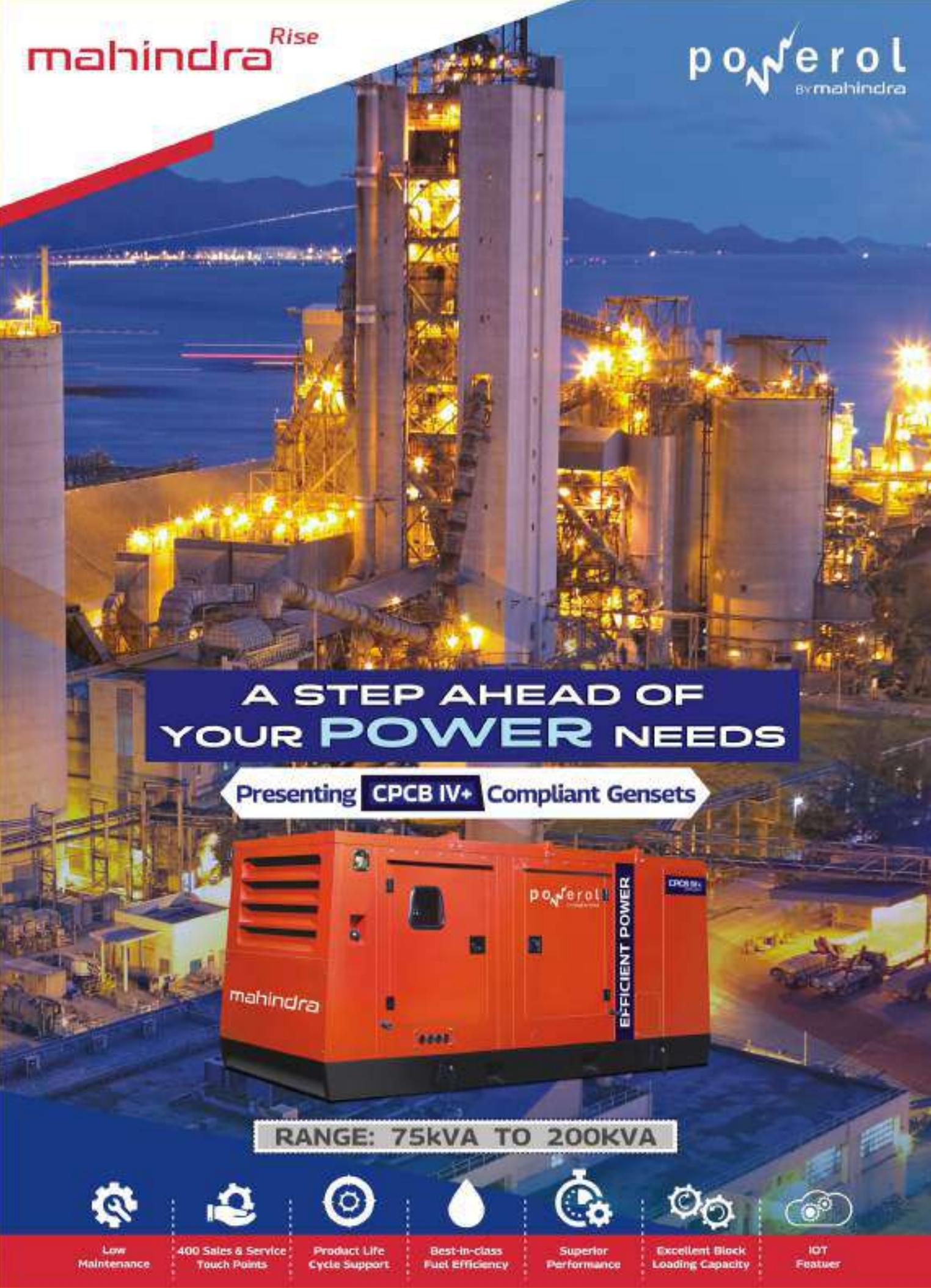
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POWEROL DIVISION

MHEL, 1st Floor, Gate No.12, A-1/1, Talwade, Chakan Road,
Chakan Industrial Area, Phase IV, Nigdi, Maharashtra - 410501.

Dealer /OEM address



A STEP AHEAD OF YOUR **POWER** NEEDS

Presenting **CPCB IV+** Compliant Gensets



RANGE: 75kVA TO 200kVA



Low Maintenance



400 Sales & Service
Touch Points



Product Life
Cycle Support



Best-in-class
Fuel Efficiency



Superior
Performance



Excellent Block
Loading Capacity



IoT
Features

Product Salient Feature

- Low operating & maintenance cost with service interval of 500Hrs/1 Year
- Wide Service Support Network across PAN India
- Supply to various rugged applications
- Proven engine in industry
- CPCB IV+ Complaint
- Remote Monitoring System as a standard feature
- Single Window Warranty Policy
- Sales, Service, Spares, Warranty under one umbrella
- Low foot print
- Standard warranty of 2 Years/5000 Hours whichever is earlier for complete genset
- SC Warranty for 5 Years//5000 Hours whichever is earlier



Engine

- Mahindra Electronical Engine, In-Line 4 stroke, radiator cooled engine
- CRDI engine with Low fuel consumption
- Dry type air cleaner with service indicator
- First fill of lube oil, coolant & DEF
- Electrical starter motor with soft start system
- Battery charging alternator
- 1 X 12 Volts DC battery



Alternator

- Brushless type, screen protected, revolving field,
- Self-excited alternator conforming to IS/IEC 60034-1
- A reliable long life with superior class 'H' insulation
- Higher motor starting capability.
- Better transient response
- Ease of maintenance with integrated components and outboard Exciter/Rotating Rectifier
- Lighter and more compact with sealed bearings for lesser maintenance and longer life



Controller

- SEDEMAC GC111X is a powerful ARM microprocessor based genset monitoring, metering and control system with full graphics LCD display for easy front panel access.
- AMF, manual and remote start / stop modes for 1-ph & 3-ph gensets
- Backlit and full graphics display with power saving feature
- Engine parameter monitoring -Lube oil pressure, Engine coolant temperature, Fuel level, Battery voltage, Engine running hours
- AC Alternator parameter monitoring -Voltage LN & LL, Current, kW, kVA (Phase & Total), Frequency, kWh, PF
- Genset Protection:
 - Engine: Low lube oil pressure, High coolant temperature, Battery/ High/Low Volts, Fail to Start, Sensor failure, Low fuel level, Over speed AC Alternator: Over/Under Voltage, Over/Under Frequency, Loss of AC sensing, Over frequency, Over Current, kW Overload, Unbalancing load
- Maintenance notification based on Engine Run Hour & due date
- Communication: USB port, RS485, CAN
- Fully configurable via front panel



Acoustic Enclosure

- Specially designed to meet stringent MoEF/ CPCB norms
- Designed to operate in extreme climatic conditions in temperatures ranging from -10 deg to 55 deg without any external aid
- Superlative fade resistant paint can last longer in tough weather conditions
- Draw out type fuel tank for easy maintenance
- Fire retardant acoustic and insulation material (PU Foam/Rockwool) for better safety
- Lowest foot print
- Easy access for serviceable parts
- Pretreatment process with UV resistant powder coating of all parts
- After Treatment System (ATS) for Emission compliance
- Engine and alternator are mounted on a common MS fabricated base frame with AVM pads
- Ease in fuel filling (Outside Canopy)



Control Panel

- Powder Coated Control Panel for weather-proof and long lasting finish. The control panel consists of the following parts:
 - SEDEMAC GC111X Controller
 - Power Cable/ Bus bars with suitable capacity with incoming/outgoing terminals
 - Indicating lamps for 'Load ON' and 'Set Running'
 - Fuses/MCB's for control circuit safety protection
 - MCCB of suitable rating with short circuit protections
 - Battery Charger

Optional Accessories

- Cold Starting System (Temperature range up to -20 deg.)
- AMF/ATS/Sync. Controller/Sync. Panel
- PMG Alternator, Space heater, RTD/BTD

Remote Monitoring System

- Powerol generators are equipped with Real time remote monitoring system.
- Generator owners can monitor and diagnose their genset or entire fleet of generators from anywhere, anytime ensuring good health and efficiency of the generator.
- All these critical indication alerts & notifications are sent to user mobile or PC.
- The generator sets can be monitored using the available web application and mobile (Android and IOS) application from any PC or mobile across the globe.





Technical Specifications:

Genset Rating (kVA)	75	82.5	100	125
DG Model	M75DR	M82.5DR	M100DR	M125DR
Power Rating (kWe)	60	66	80	100
No. of Phases	3	3	3	3
Output Voltage (V)	415	415	415	415
Power Factor (lagging)	0.8	0.8	0.8	0.8
Current (A) (1Phase / 3Phase)	104.3	114.8	139	174
Frequency (Hz)/ RPM	50/1500	50/1500	50/1500	50/1500
Governing Class	G3	G3	G3	G3
Starting System	12 Volt DC	12 Volt DC	12 Volt DC	12 Volt DC
Fuel Tank Capacity (lit)	169	169	250	250
Genset Dimension (LxWxH ^(mm)) (mm) Approx.	3190X 1225 X 1575	3190X 1225 X 1575	3950 X 1350 X 1425	3950 X 1350 X 1425
Engine Specification				
Make	Mahindra	Mahindra	Mahindra	Mahindra
Model	M433SG3	V435SG4	H44B5G2	H44B5G1
Fuel system	Electronic	Electronic	Electronic	Electronic
Rated Power Output ^a (HP)	93.7	101.3	126	156
Aspiration	Turbocharged & Intercooled	Turbocharged & Intercooled	Turbocharged & Intercooled	Turbocharged & Intercooled
No. of Cylinders	4	4	4	4
Bore x Stroke (mm)	96 x 122	96 x 122	105 X 137	105 X 137
Displacement (Ltr)	3.5	3.5	4.8	4.8
Lube Oil Specification	SAE 15W40 CI4+	SAE 15W40 CI4+	SAE 15W40 CI4+	SAE 15W40 CI4+
Total Lube Oil capacity (lit)	11.5	11.5	13.5	13.5
Lube Oil Change Period (hrs.)	500Hrs	500Hrs	500Hrs	500Hrs
Radiator Coolant Capacity (lit)	19	19	19	19
Alternator Specification				
Make	LS/CG	LS/CG	LS/CG/Equivalent	LS/CG/Equivalent
Enclosure Type	IP23	IP23	IP23	IP23
Voltage Regulation	+/- 1%	+/- 1%	+/- 1%	+/- 1%
Class of Insulation	H	H	H	H
Maximum Unbalanced load across Phases	25%	25%	25%	25%

NOTE:

Above specifications are subject to change without prior notice due to continuous product improvements. 1. All engines & alternators conform to respective IS standards.
All the genset specifications conform to ISO 8528 standard. 1. All specifications are at Standard NTP operating conditions. 1. * Considering 0.845 Specific Gravity of diesel, 15% Tolerance. 1. * Engine Power at 220% load/Fast High Speed diesel (ISO 5/1480/2005). 1. * Represent the Standby Ratings. 1.5 Considering 0.89 Specific Gravity of Oil. Engine Power will have ± 5% Tolerance. 1. For CD only 3 Phase configuration available. 1. 5% Height Without Silencer.





160	180	200
M160DR	M180DR	M200DR
128	144	160
3	3	3
415	415	415
0.8	0.8	0.8
222	250	278
50/1500	50/1500	50/1500
G3	G3	G3
12 Volt DC	12 Volt DC	12 Volt DC
388	388	388
4200 X 1400 X 1745	4200 X 1400 X 1745	4200 X 1400 X 1745
 		
Mahindra	Mahindra	Mahindra
H6725G2	H6725G3	H6725G4
Electronic	Electronic	Electronic
199	223	247
Turbocharged & Intercooled	Turbocharged & Intercooled	Turbocharged & Intercooled
6	6	6
105 X 137	105 X 137	105 X 137
7.2	7.2	7.2
SAE 15W40 CI4+	SAE 15W40 CI4+	SAE 15W40 CI4+
20.2	20.2	20.2
500Hrs	500Hrs	500Hrs
25	24	25
 		
LS/CG/Equivalent	CG/LS/Equivalent	LS/CG/Equivalent
IP23	IP23	IP23
+/- 1%	+/- 1%	+/- 1%
H	H	H
25%	25%	25%

**RANGE:
75kVA TO
200kVA**



powerol
by mahindra

Mahindra & Mahindra Ltd.

POWEROL DIVISION

MHEL, 1st Floor, Gate No.12, A-1/1, Talwade, Chakan Road,
Chakan Industrial Area, Phase IV, Nigdi, Maharashtra - 410501

Dealer /OEM address



Toll free no.
1800 419 1999



poweroldg@mahindra.com



mahindrapowerol.com

Our Products

Kirloskar Diesel Generator

30 kva Kirloskar Green Diesel Generator

Kirloskar Diesel Generator

Kirloskar 15 Kva Generator

5.5 KVA - PORTABLE DIESEL GENSET INVERTER TECHNOLOGY

Kirloskar 7.5 Kva Diesel Generator

Kirloskar 45 Kva Diesel Generator

Kirloskar 160 Kva Diesel Generator

Kirloskar 125 Kva Diesel Generator

35 Kva Kirloskar Diesel Generator

Kirloskar 500 Kva Diesel Generator

35 Kva Tata Diesel Generator

Diesel Generator

8 products available

Ashok Leyland Silent Diesel Generator

4 products available

Kirloskar Generator

4 products available

Power Generator

5 products available

Ashok Leyland Diesel Generator

3 products available

Ashok Leyland Generator

3 products available

Mahindra Diesel Generator

6 products available

Cummins Diesel Generator

2 products available

Silent Diesel Generator

2 products available

Mahindra Generator

1 product available

[+View All](#)

Kirloskar Diesel Generator

Wholesale Trader of a wide range of products which include 30 kva Kirloskar Green Diesel Generator, Kirloskar Diesel Generator, Kirloskar 15 Kva Generator, 5.5 kVA - PORTABLE DIESEL GENSET INVERTER TECHNOLOGY, Kirloskar 7.5 Kva Diesel Generator and Kirloskar 45 Kva Diesel Generator.



30 kva Kirloskar Green Diesel...
₹ 4,92,000/Piece



Kirloskar Diesel Generator
₹ 3,55,000/Piece



Kirloskar 15 Kva Generator
₹ 3,65,000/Piece



5.5 kVA - PORTABLE...
₹ 1,95,880/Piece



Kirloskar 7.5 Kva Diesel Generator
₹ 2,58,420/Piece



Kirloskar 45 Kva Diesel Generator
₹ 5,90,000/Piece



Kirloskar 160 Kva Diesel Generator
₹ 14,80,000/Piece



Kirloskar 125 Kva Diesel Generator
₹ 12,80,000/Piece



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30 kva Kirloskar Green Diesel Generator

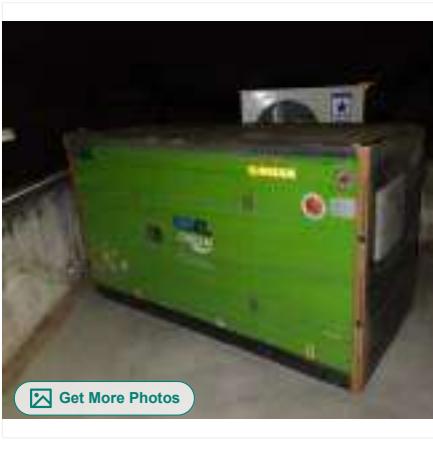
₹ 4,92,000/Piece [Get Latest Price](#)

[Product Brochure](#) [Watch Video](#)

Cooling System	Air Cooling
Voltage	415 V
Frequency	50 Hz
Rated Speed	1200 to 1600 RPM
Fuel Tank Capacity	850 Litre
Insulation Class	Class H
Dimensions	5375(L) x 2000(W) x 2408(H) mm
No Of Cylinder	8
Ingression Protection	IP 23
Short Circuit With Stand Time	3 sec
Power	1010 kVA
Rating (kVA)	30 Kva

KIRLOSKAR Green is one of the most competent Diesel Generator Set (Genset) manufacturers in India, which is designed to provide optimum power backup solutions ..

[Yes, I am interested!](#)



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Interested in this product?

[Get Best Quote](#)

Kirloskar Diesel Generator

₹ 3,55,000/Piece [Get Latest Price](#)

Minimum Order Quantity: 1 Piece

[Product Brochure](#) [Watch Video](#)

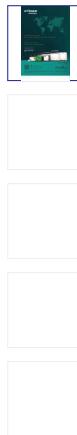
Phase	3-Phase
Engine Make	Kirloskar Diesel Generator
Model Number	2R1040 G1
Genset Brand	KOEL by Kirloskar
Power (kVA)	20 kva
Compliance	CPCB IV
Oil and oil filter change period	1 year
Length x Width x Height	2180 x 905 x 1150 mm
Country of Origin	Made in India

Kirloskar diesel generators are known for their reliability, durability, and fuel efficiency. They are used in a variety of applications, including commercial, industrial, and residential settings. Here are some features of Kirloskar diesel generators

Additional Information:

- Delivery Time: 1 to 2 weeks

[Yes, I am interested!](#)



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Interested in this product?

[Get Best Quote](#)

Kirloskar 15 Kva Generator

₹ 3,65,000/Piece [Get Latest Price](#)

[Product Brochure](#)

Power	15 kVA
Compliance	CPCB IV
Oil and oil filter change period	every 500 hours or two months
Length x Width x Height	1850 x 760 x 1050
Country of Origin	Made in India

Kirloskar 15 KVA . we will delivered all over India . we receive the happy and positive comments from the customer they are liked our service and we will fix very soon after the generator will out of the industry.

Additional Information:

- Delivery Time: 1 to 2 weeks from when payment is fully paid
- Packaging Details: the packing is very clean and neat without any damage at the same time it will delivered fast

[Yes, I am interested!](#)



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Interested in this product?

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5.5 kVA - PORTABLE DIESEL GENSET INVERTER TECHNOLOGY

₹ 1,95,880/Piece [Get Latest Price](#)

Minimum Order Quantity: 1 Piece

[Product Brochure](#)

Phase	Single Phase
Cooling System	Water Cooled
Voltage	230 V
Start Type	Electric Start
Structure Type	Silent
Frequency	50 Hz
Fuel Tank Capacity	12.5 Litres

Kirloskar model KG4-P-5.5AS
inverter type diesel generator L X W X H - 950 X 595 X 855 (mm)
Weight 170 kgs

Additional Information:

- Delivery Time: 1 to 2 weeks

[Yes, I am interested!](#)

**Kirloskar 7.5 Kva Diesel Generator**

₹ 2,58,420/Piece [Get Latest Price](#)

Minimum Order Quantity: 1 Piece

[Product Brochure](#)

Power	7.5 kVA
Compliance	CPCB IV
Length x Width x Height	1600 x 760 x 1050
Country of Origin	Made in India

Kirloskar three phase 7.5 KVA silent Diesel generator with CPCB IV +

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Interested in this product?

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Kirloskar 45 Kva Diesel Generator

₹ 5,90,000/Piece [Get Latest Price](#)[Product Brochure](#)

Compliance	CPCB IV
Oil and oil filter change period	5000 hours or 1 year
Length x Width x Height	2750 x 1050 x 1495
Country of Origin	Made in India

Kirloskar 45 KVA Diesel Generator . We delivered the generator all over India . Our customer given a good and positive comments . we delivered the generator neat and clean without any issues

Additional Information:

- Item Code: KG4-45WS1
- Delivery Time: 1 TO 2 weeks from when the payment is fully payed
- Packaging Details: it will be clean and neat without any issues and damages

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Interested in this product?

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Kirloskar 160 Kva Diesel Generator

₹ 14,80,000/Piece [Get Latest Price](#)[Product Brochure](#)

Power	160 kVA
Compliance	CPCB IV
Oil and oil filter change period	5000 hours or 1 years
Length x Width x Height	4200 x 1450 x 1900
Country of Origin	Made in India

Kirloskar 160 KVA Diesel Generator . we delivered all over india without any damage . we got a good and positive comments from our customer

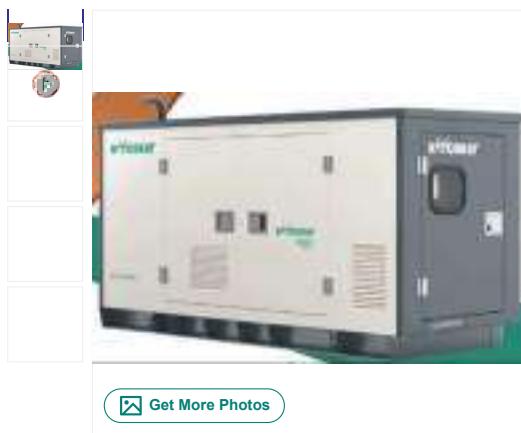
Additional Information:

- Item Code: KG4-160WS11
- Delivery Time: 1 to 2 weeks from when the payment is fully paid
- Packaging Details: the packing will be neat and clean without any damages

[Yes, I am interested!](#)

Kirloskar 125 Kva Diesel Generator

₹ 12,80,000/Piece [Get Latest Price](#)



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Interested in this product?

[Get Best Quote](#)

Minimum Order Quantity: **1 Piece**

[Product Brochure](#) [Watch Video](#)

Compliance	CPCB IV
Oil and oil filter change period	5000 hours or 1 years
Length x Width x Height	3200 x 1350 x 1790
Country of Origin	Made in India

Kirloskar 125 KVA diesel generator Engine model 4K1080ETA4G1
CPCB IV + Silent Generator with acoustic enclosure

Additional Information:

- Delivery Time: 1 to 2 weeks
- Packaging Details: the packing will be neat and clean without any damage

[Yes, I am interested!](#)



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35 Kva Kirloskar Diesel Generator

₹ 5,10,000/Piece [Get Latest Price](#)

[Product Brochure](#)

Oil and oil filter change period	5000 hours or 1 year
Length x Width x Height	2500 x 950 x 1385
Country of Origin	Made in India

Kirloskar 35 KVA Diesel Generator . We delivered the generator all over India . we got good and positive comments from our customer they liked our service . we delivered soon when the payment is fully payed. we fixed the Generator Clearly without any issues.

Additional Information:

- Item Code: KG4-35WS1
- Delivery Time: 1 TO 2 weeks from when fully payed
- Packaging Details: The Generator will be neat and clean our person will display clean without any issues.

[Yes, I am interested!](#)



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Kirloskar 500 Kva Diesel Generator

₹ 37,00,000/Piece [Get Latest Price](#)

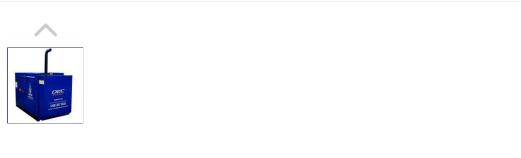
Compliance	CPCB IV
Oil and oil filter change period	5000 hours or 1 years
Length x Width x Height	5575 x 2125 x 2610
Country of Origin	Made in India

Kirloskar 500 KVA Diesel Generator. we delivered all over india without any damage .

Additional Information:

- Item Code: KG4-500WS
- Delivery Time: 1 to 2 weeks from when the payment will be fully paid
- Packaging Details: The packing will be neat and clean without any damage

[Yes, I am interested!](#)



35 Kva Tata Diesel Generator

₹ 4,85,000/Piece [Get Latest Price](#)

Minimum Order Quantity: **1 Piece**

[Product Brochure](#)



Power	35 kVA
Fuel Type	Diesel
Country of Origin	Made in India

TATA 35 KVA diesel generator . Engine Model 497 SPTC -4Cyl . with CPCB IV+ approved acoustic enclosure.

Additional Information:

- Delivery Time: 1 to 2 weeks

[Yes, I am interested!](#)

Interested in this product?

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	Diesel Generator 8 products available		Ashok Leyland Silent Diesel Generator 4 products available		Kirloskar Generator 4 products available
	Power Generator 5 products available		Ashok Leyland Diesel Generator 3 products available	View complete range	

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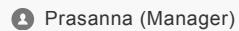
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Our Products**Diesel Generator**

ASHOK LEYLAND 15 Kva DG

Kirloskar Diesel Generator 320 Kva 1010 Kva

Ashok Leyland 82.5 Kva Generator

Ashok leyland 200 KVA DG set

30 Kva Tata Diesel Generator

TATA 82.5 KVA Diesel Generator

125 Kva Tata Diesel Generators

Retrofit Emission Control Device For Dg Set

Kirloskar Diesel Generator

11 products available

Ashok Leyland Silent Diesel Generator

4 products available

Kirloskar Generator

4 products available

Power Generator

5 products available

Ashok Leyland Diesel Generator

3 products available

Ashok Leyland Generator

3 products available

Mahindra Diesel Generator

6 products available

Cummins Diesel Generator

2 products available

Silent Diesel Generator

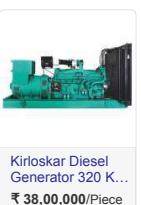
2 products available

Mahindra Generator

1 product available

[+View All](#)**Diesel Generator**

Our range of products include ASHOK LEYLAND 15 Kva DG, Kirloskar Diesel Generator 320 Kva 1010 Kva, Ashok Leyland 82.5 Kva Generator, Ashok leyland 200 KVA DG set, 30 Kva Tata Diesel Generator and TATA 82.5 KVA Diesel Generator.

ASHOK LEYLAND 15 Kva DG
₹ 3,03,000/PieceKirloskar Diesel Generator 320 Kva 1010 Kva
₹ 38,00,000/PieceAshok Leyland 82.5 Kva Generator
₹ 8,70,000/PieceAshok leyland 200 KVA DG set
Ask Price30 Kva Tata Diesel Generator
₹ 4,50,000/PieceTATA 82.5 KVA Diesel Generator
₹ 8,12,000/Piece125 Kva Tata Diesel Generators
₹ 10,12,000/PieceRetrofit Emission Control Device F...
Ask Price**ASHOK LEYLAND 15 Kva DG**₹ 3,03,000/Piece [Get Latest Price](#)

Minimum Order Quantity: 1 Piece

[Product Brochure](#)

Power	15 kVA
Cooling System	Water Cooling
Brand	Ashok Leyland
Frequency	50 Hz
Number of Cylinder	2 INLINE
Rated Speed	1500 RPM
Phase	Three Phase
Voltage	440 V
Model	H2G4DM15 NORMS IV+

Ashok leyland silent 15 KVA DG set Engine model no H2G4DM15 with CPCB IV + approved enclosure with 5 years warranty.

[Yes, I am interested!](#)[Get More Photos](#)

Interested in this product?

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Interested in this product?

[Get Best Quote](#)**Kirloskar Diesel Generator 320 Kva 1010 Kva**₹ 38,00,000/Piece [Get Latest Price](#)

Minimum Order Quantity: 1 Piece

[Product Brochure](#)

Compliance	CPCB IV
Length x Width x Height	7800 x 2300 x 2713 mm
Frequency	50 Hz
Fuel Type	Diesel
Phase	Three Phase
Voltage	415
Rpm	1500 RPM
Country of Origin	Made in India

1010 KVA/808 KW Kirloskar Diesel Generator Engine Model DV16ETA4G2 with CPCB IV+ Approved enclosure Fuel tank capacity 990 liters no.of Cylinders 16

Additional Information:

- Delivery Time: 2 to 3 weeks

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[Get Best Quote](#)

Ashok Leyland 82.5 Kva Generator

₹ 8,70,000/Piece [Get Latest Price](#)Minimum Order Quantity: **1 Piece**[Product Brochure](#)

Power	82.5kva
DG Size L x W	2850 x 1300 mm
Bore x Stroke (mm)	104 x 118 mm
H (Including Base) (mm)	1560 mm
System DC Voltage (Volt)	12 V
Country of Origin	Made in India

Ashok leyland 82.5 kva DG
CPCBIV+
Model H4G4DE82
no of cylinders 4
weight 1417 kgs
Silent dg set with enclosure

Additional Information:

- Delivery Time: 1 to 2 weeks

[Yes, I am interested!](#)[Get More Photos](#)

Interested in this product?

[Get Best Quote](#)

Ashok leyland 200 KVA DG set

[Get Latest Price](#)[Product Brochure](#)

DG Size L x W	4700 x 1600 mm
Bore x Stroke (mm)	112 x 135 mm
H (Including Base) (mm)	2020 mm
System DC Voltage (Volt)	24 V
Country of Origin	Made in India

Model no A6G4DE200
Silent DG with Enclosure
Fuel tank capacity 340 ltrs
no of cylinders 6
DG weight app 4500 kgs

Additional Information:

- Delivery Time: 1 - 2 weeks

[Yes, I am interested!](#)[Get More Photos](#)

Interested in this product?

[Get Best Quote](#)

30 Kva Tata Diesel Generator

₹ 4,50,000/Piece [Get Latest Price](#)Minimum Order Quantity: **1 Piece**[Product Brochure](#)

Power	30 kVA
Fuel Type	Diesel
Country of Origin	Made in India

TATA 30 KVA Diesel Generator . Engine Model 497 SPTC -4Cyl . with CPCB IV+ approved acoustic enclosure.

Additional Information:

- Delivery Time: 1 to 2 weeks

[Yes, I am interested!](#)

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Interested in this product?

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TATA 82.5 KVA Diesel Generator

₹ 8,12,000/Piece [Get Latest Price](#)

Minimum Order Quantity: 1 Piece

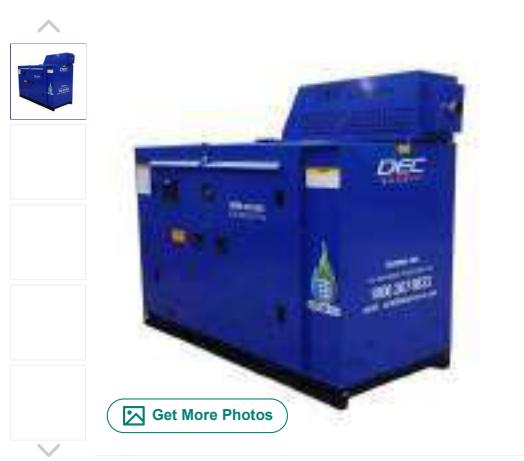
[Product Brochure](#)

Power	82.5 kVA
Fuel Type	Diesel
Country of Origin	Made in India

TATA 82.5 KVA Diesel Generator . Engine Model 497 TCIC -4Cyl with CPCB IV+ approved acoustic enclosure.

Additional Information:

- Delivery Time: 1 to 2 Weeks

[Yes, I am interested!](#)[Get More Photos](#)

Interested in this product?

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125 Kva Tata Diesel Generators

₹ 10,12,000/Piece [Get Latest Price](#)

Minimum Order Quantity: 1 Piece

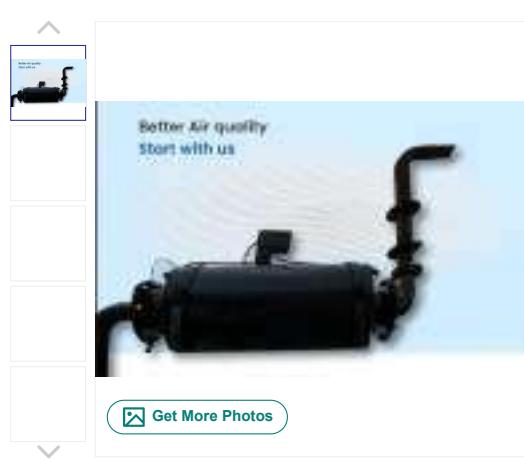
[Product Brochure](#)

Power	125 kVA
Fuel Type	Diesel
Country of Origin	Made in India

TATA 125 KVA Diesel Generator. Engine Model 697 TCIC -6Cyl with CPCB IV+ approved acoustic enclosure.

Additional Information:

- Delivery Time: 1 to weeks

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Interested in this product?

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Retrofit Emission Control Device For Dg Set

[Get Latest Price](#)

[Product Brochure](#)

A retrofit emission control device is a mechanism installed at the exhaust port of adiesel generator to reduce harmful emissions. Equipping Retrofitting Emission Control Equipment (RECD) for DG sets is an effective and most efficient way to reduce the harmful emissions in the exhaust.

[Yes, I am interested!](#)

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Kirloskar Diesel Generator
11 products available



Ashok Leyland Silent Diesel Generator
4 products available



Kirloskar Generator
4 products available



Power Generator
5 products available



Ashok Leyland Diesel Generator
3 products available

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