

karloskar
powergen

METHANOL GENSET

20 | 62.5 kVA



Better power for a
limitless
Tomorrow

Cleaner . Reliable . Flexible



A RICH HERITAGE OF OVER A CENTURY OF ENGINEERING EXCELLENCE.

Kirloskar powergen 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.



METHANOL GENSET

Experience a power solution that is both environmentally conscious and operationally superior



FUEL AGNOSTIC SOLUTIONS FOR EVOLVING POWER DEMANDS

In the global pursuit of net-zero emissions, businesses are increasingly seeking environmentally responsible fuel solutions. Kirloskar is at the forefront of this transition, providing adaptable power generation systems that meet the dynamic needs of modern industries.

Our M100 methanol gensets represent a robust and reliable power solution, engineered for applications requiring customizable power generation. Utilizing methanol as a sustainable and clean fuel, these gensets achieve a significant 20% reduction in CO₂ emissions compared to conventional diesel systems.

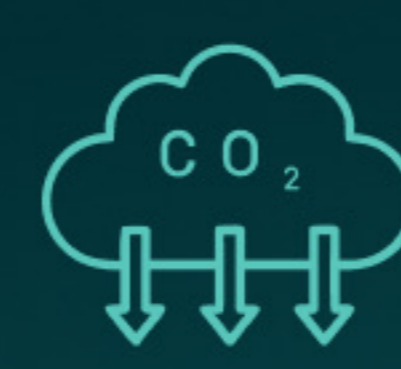
Equipped with advanced electronic governing systems, our methanol gensets offer seamless synchronization capabilities. This feature allows for effortless integration into complex power systems, ensuring operational continuity and efficiency.

Methanol's inherent versatility allows for blending with other fuels, enabling the creation of tailored power generation solutions. Designed for quiet operation and exceptional reliability, our gensets deliver clean energy without compromising performance.

BENEFITS



100%
Methanol



Reduces CO₂
emissions by 20%



Compact and
lightweight design



Spark ignition engine
technology



ECU-controlled governing
system



High-load acceptance
compliant with ISO 8528



Environment
friendly



Remote monitoring and
Onboard diagnostics



Corrosion-resistant fuel
tank and submersible
fuel pump



Optimized Noise
Vibration and Harshness
(NVH) levels

TECHNICAL SPECIFICATIONS

GENSET

Genset Rating	20 kVA	62.5 kVA
Engine Model	2R1040NA	6R1080NA
Type	Silent	Silent
Genset Power output (kVA)	20	62.5
Genset Power output (kWe)	16	50
Frequency (Hz)	50 Hz	50 Hz
Voltage (L-L) (V)	415	415
Voltage (L-N) (V)	230	230
Power Factor	0.8	0.8
Rated Alternator Efficiency @ 0.8	86.8	91.1
Phase	1ph / 3ph	3ph
Method of Starting	Electric (12VDC)	Electric (12VDC)
Battery Capacity	75 AH	130 AH
Governing class	G2	G2
Dimensions (L x W x H) Silent Height considered without silencer (mm y mm y mm)	2085 x 960 x 1300	3326 x 1337 x 1955

ENGINE

Engine Model	2R1040NA	6R1080NA
No. of Cylinders Nos	2	6
Configuration	Inline Water Cooled	Inline Water Cooled
Aspiration	Naturally Aspirated	Naturally Aspirated
Bore (mm)	105	105
Stroke (mm)	120	125
Engine Cubic Capacity (cc)	2078	6494
Compression Ratio	13:1	13.5:1
Valve Per Cylinder (Inlet / Exhsust)	1/1	1/1
Firing Order	1-2	1-5-3-6-2-4
Fuel	Methanol (M100)	Methanol (M100)
Combustion	Stoinchiometric, Premixed and spark ignited	
Rated Power (HP)	25.5	83
Rated Power (kW)	18.75	61
Rated RPM	1500	1500
Rated BMEP (Bar)l	7.36	7.7

KIRLOSKAR POWERGEN PRODUCT PORTFOLIO

3 kW - 10 MW / 12500 kVA

Kirloskar Powergen Advanced Manufactured Gensets

kVA	Fuel	Emission Norms	kVA	Fuel	Emission Norms	Model No.	kVA	Fuel	Emission Norms	Model No.	
MOBILE & STATIONARY			HHP, OPTIPRIME & CUSTOM SOLUTIONS				UHHP, OPTIPRIME & CUSTOM SOLUTIONS				
3 kW	Petrol	CPCBIV+	125 kVA	Diesel	CPCBIV+	Dual Core 4R810	2500 kVA	Diesel	Stack	Dual Core DV16	
4 kW	Petrol	CPCBIV+	250 kVA	Diesel	CPCBIV+	Dual Core 4K1080	2500 kVA	Diesel	Stack	Dual Core K12	
5 kW	Petrol	CPCBIV+	320 kVA	Diesel	CPCBIV+	Dual Core 6K1080	2500 kVA	Diesel	CPCBIV+/Stack	Quad Core DV10	
3.5 kVA	Diesel	CPCBIV+	400 kVA	Diesel	CPCBIV+	Dual Core 6K1080	3000/3300 kVA	Diesel	Stack	Dual Core K12	
5 kVA	Diesel	CPCBIV+	500 kVA	Diesel	CPCBIV+	Dual Core 6K1080	3000 kVA	Diesel	CPCBIV+/Stack	Quad Core DV12	
7.5kVA	Diesel	CPCBIV+	500 kVA HD	Diesel	CPCBIV+	Dual Core SL90	4000 kVA	Diesel	CPCBIV+/Stack	Octacore PV6	
10 kVA	Diesel	CPCBIV+	500 kVA HD	Diesel	CPCBIV+	Quad Core 4K1080	4000 kVA	Diesel	CPCBIV+/Stack	Octacore DV8	
15 kVA	Diesel	CPCBIV+	640 kVA	Diesel	CPCBIV+	Dual Core SL90	4000 kVA	Diesel	Stack	Quad Core DV16	
15 kVA	Ethanol	CPCBIV+	700 kVA	Diesel	CPCBIV+	Dual Core SL90	5000 kVA	Diesel	Stack	Quad Core DV16	
12.5 kVA	PNG	CPCBIV+	1000/1010 kVA	Diesel	CPCBIV+/Stack	Dual Core PV6	5000 kVA	Diesel	Stack	Quad Core K12	
15 kVA	PNG	CPCBIV+	1000/1010 kVA	Diesel	CPCBIV+/Stack	Quad Core 6K	6000 / 6600 kVA	Diesel	Stack	Quad Core K12	
NATURAL GAS			1000/1010 kVA	PNG	CPCBIV+/Stack	Dual Core DV12	8000 kVA	Diesel	Stack	Quad Core K12 (2026)	
25/30 kVA	PNG	CPCBIV+	1000/1010 kVA	PNG	CPCBIV+/Stack	Quad Core DV8	10000 kVA	Diesel	Stack	Quad Core K16 (2027)	
62.5 kVA	PNG	CPCBIV+	2000 kVA	PNG	CPCBIV+/Stack	Quad Core DV12	Powergen HHP & Integrated Project Solutions				
82.5 kVA	PNG	CPCBIV+	1250 kVA	Diesel	CPCBIV+/Stack	Dual Core DV10	2 MW / 2500 kVA	Diesel	Stack	Industrial Power Systems	
125 kVA	PNG	CPCBIV+	1250 kVA	Diesel	CPCBIV+/Stack	Quad Core SL90	4 MW / 5000 kVA	Diesel	Stack	Industrial Power Systems	
250 kVA	PNG	CPCBIV+	1400 kVA	Diesel	CPCBIV+/Stack	Quad Core SL90	6 MW / 7500 kVA	Diesel	Stack	Industrial Power Systems	
320 kVA	PNG	CPCBIV+	1500 kVA	Diesel	CPCBIV+/Stack	Dual Core DV12	8 MW / 10000 kVA	Diesel	Stack	Industrial Power Systems	
500 kVA	PNG	CPCBIV+	2000 kVA	Diesel	CPCBIV+/Stack	Dual Core DV16	10 MW / 12500 kVA	Diesel	Stack	Industrial Power Systems	
			2000 kVA	Diesel	CPCBIV+/Stack	Quad Core PV6					



SHAPING THE FUTURE.
DELIVERING POWER GLOBALLY.

INGENIOUS DESIGN.
UNMATCHED PERFORMANCE.

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BETTER
POWER
FOR A

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TOMORROW

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Authorised
Representative

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