

Oil Engines

TO THOSE WHO  
POWER LIFE, WE SAY

MAY THE

POWER

ALWAYS BE  
WITH YOU



**CPCB IV+  
COMPLIANT**

INDIA'S LARGEST  
FLEET OF GENSETS

82.5-160 kVA

BETTER POWER FOR A *limitless* TOMORROW

## 82.5-160 kVA

Prime Rating at rated rpm (as per ISO8528)		kVA	82.5	100	125	160
		kW	66	80	100	128
Genset Model			KG4-82.5WS1	KG4-100WS1	KG4-125WS1	KG4-160WS11
Frequency		Hz	50			
Power Factor		lagging	0.8			
Voltage		V	415 (3Ø)			
Governing class (As per ISO 8528 Part-V)			G3			
DG set Noise level at 1 meter		dBA	<75 (Genset with canopy)			
Fuel tank capacity (Standard DG set)		Ltrs	200	230	230	400
⚡Weight of genset with canopy approx..) ^	Dry	Kg	1800	2170	2200	2980
	Wet	Kg	1860	2230	2260	3050
Overall dimensions of genset ^	Length	mm	3200	3200	3200	4200
	Width	mm	1350	1350	1350	1450
	Height	mm	1595	1800	1800	1900
Electrical Battery Starting Voltage		Volts-DC	12			
ENGINE						
Engine Model			4R1190ETA 4G1	4K1080ETA 4G1	4K1080ETA 4G1	6K1080ETA 4G1
Rated output (Prime Continuous rating as per ISO 8528-1)	kW		77.2	114.7	114.7	147.1
	HP		105	156	156	200
No. of cylinder		Number	4	4	4	6
Cubic capacity²		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		Ltrs	10	14	14	25
Coolant Capacity		Ltrs	15	18	18	28
Adblue/ DEF capacity		Ltrs	25	25	25	45
ALTERNATOR						
Insulation Class			H			
Alternator Efficiency (at 100% load) 0.8 pf**		%	91	91.9	92.4	92.8
Max Voltage Dip at Full Load 0.8 pf lag			< 20%			
Max Time to build up rated voltage at Rated RPM			< 2 sec, provided engine reach the rated speed			

^ Tolerances Apply

⊗ These Weight are for handling & transportation only

\*\* Efficiency of Alternator as per standards IEC60034-1

Notes

AdBlue used should follow ISO 22241.  
Above specifications are subject to change without prior notice due to continuous technical development.  
For intermediate ratings, kindly contact nearest Kirloskar office.  
For Site Conditions other than standard operating conditions consult Kirloskar Oil Engines for available prime power.

### 7 Easy steps for a happy Genset Ownership

- Insist on a load-study
- Select the Genset rating as per the load-study and with sufficient margin for future load expansion
- Apply site-selection guidelines carefully
- Insist on installation in line with Kirloskar Green guidelines
- Ensure adequate size and proper connection of cables
- Understand the Genset operation & maintenance procedures during commissioning
- Follow routine maintenance protocols through authorized Kirloskar Green service dealers

