

INDIA'S #1 GENSET BRAND

40 - 160 kVA



India's first IOT enabled Genset
The Complete Power Back-up Solution

EFFICIENCY HAS A NEW NAME

40 - 160 kVA

Prime Rating at rated rpm (as per ISO 8528) ¹		kVA	40	45
		kW	32	36
Genset Model			KG1- 40WSE	KG1 - 45WSE
Frequency		Hz	50	50
Power factor		lagging	0.8	0.8
Voltage		V		
Governing class (As per ISO 8528 Part-V)			G2	G2
Noise level		dBA	<75	<75
Fuel Consumption #	At 100% Load	Ltrs/Hr	9.2	10.3
	At 75% Load		7.4	8.7
	At 50% Load		5.5	5.9
Fuel tank capacity		Ltrs	100	100
Weight of genset with canopy (apprx...)	Dry	Kg	1180	1180
	Wet	Kg	1215	1215
Overall dimensions of genset [^]	Length	mm	2750	2750
	Width	mm	1050	1050
	Height	mm	1493	1493
Electrical Battery starting voltage		Volts-DC	12	12
ENGINE				
Engine Model			3R1040TA G1	3R1040TA G1
Rated output (Prime Continuous rating as per ISO 8528-1)		kW	41.2	41.2
		HP	56	56
No. of cylinder		Number	3	3
Cubic capacity ²		Ltrs	3.12	3.12
Bore x Stroke		mm	105 x 120	105 x 120
Rated Speed		RPM	1500	1500
Aspiration		NA/TC/TA	TA	TA
Lube Oil change period		hrs.	500	500
Lube oil Sump Capacity		Ltrs	8	8
Coolant Capacity		Ltrs	11.5	11.5
ALTERNATOR				
Insulation Class			Class H	Class H
Alternator Efficiency (at 100% load) 0.8 pf *		%	88.4	88.2
Max Voltage Dip at Full Load 0.8 pf Lag		sec	< 16 %	< 16 %
Max Time to build up rated voltage at Rated RPM			< 5 sec provided engine reach the rated speed	

Notes

[^] Tolerances Apply

With 0.845 Specific Gravity of diesel (5% Tolerance)

§ These Weight are for handling & transportation only, ±5 % tolerance apply

* Efficiency of Alternator as per standards IEC60034-1

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

+ Silencer inside canopy and bolt-less canopy is available only up-to 62.5kVA

Engine

- Industries most reliable engines, proven over decades
- Low emission, high efficiency engines
- Compact, robust and rugged design
- 500 hours lube-oil change period



Canopy

- Silencer inside canopy⁺
- Aesthetically designed bolt-less canopy for enhanced product life
- Weather and sound resistant enclosure
- Ease of access and serviceability
- Insulation confirms to UL94-HF1 class for flammability

Controller

- Microprocessor based with graphical LCD display
- Best in class monitoring and diagnostic capability
- Communication configuration enabled

Alternator

- Best in class efficiency
- Minimum harmonics interference
- Vacuum pressure impregnation
- Epoxy gel coating on the winding

62.5		82.5		100		125		160	
50		66		80		100		128	
KG1- 62.5WSE		KG1- 82.5WS		KG1-100WS		KG1-125WS		KG1-160WS	
50		50		50		50		50	
0.8		0.8		0.8		0.8		0.8	
415 3Ø									
G2		G2		G3		G3		G3	
<75		< 75		< 75		< 75		< 75	
14.1		18.8		21.9		27.4		36.6	
11.3		13.8		16.9		20.2		27.7	
7.5		9.9		12.2		15.3		19.1	
150		150		230		230		300	
1470		1710		2040		2090		2730	
1600		1840		2240		2290		3110	
2900		3200		3200		3200		4000	
1100		1100		1300		1300		1500	
1581		1595		1795		1795		1915	
12		12		12		12		12	
4R810TA G1		4R1040TA G1		4K1080TA G2		4K1080TA G2		6K1080TA G2	
61		74.8		114.7		114.7		147	
83		102		156		156		200	
4		4		4		4		6	
3.24		4.16		4.32		4.32		6.48	
96 x 112		105 x 120		105 x 125		105 x 125		105 x 125	
1500		1500		1500		1500		1500	
TA		TA		TA		TA		TA	
500		500		500		500		500	
10		10		14		14		18	
17.5		24		21		21		28	
Class H		Class H		Class H		Class H		Class H	
91		89.9		92		92.4		92.8	
< 20 %		≤ 20 %		≤ 20 %		≤ 20 %		≤ 20 %	
		the rated speed						< 1 sec provided engine reach the rated speed	

