

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
First Consumation #	At 100% Load	Ltrs/Hr	9.2	10.3
Fuel Consumption #	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 (approx)	Dry	Kg	1180	1180
	Wet	Kg	1215	1215
Overall dimensions of senset	Length	mm	2750	2750
Overall dimensions of genset [^]	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 IS	O 8528-1)	kW	41.2	41,2
		HP	5ô	5ô
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
rated Speed	Aspiration		TA	TA
Aspiration Lube Oil change period		hrs.	500	500
Aspiration Lube Oil change period		hrs. Ltrs	500 8	500 8
Aspiration Lube Oil change period Lube oil Sump Capacity				
Aspiration Lube Oil change period Lube oil Sump Capacity Coolant Capacity		Ltrs	8 11.5	8
Aspiration Lube Oil change period Lube oil Sump Capacity Coolant Capacity ALTERNATOR Insulation Class		Ltrs	8	8
		Ltrs	8 11.5	8 11.5
Aspiration Lube Oil change period Lube oil Sump Capacity Coolant Capacity ALTERNATOR Insulation Class		Ltrs Ltrs	8 11.5 Class H	8 11.5 Class H

Notes

Alternator

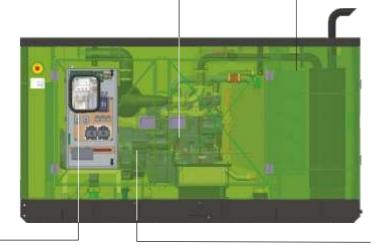
standards

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

[^] Tolerances Apply

[#] With 0.845 Specific Gravity of diesel (5% Tolerance)
\$ These Weight are for handling & transportation only, ±5% tolerance apply

Efficiency

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 %	<u>≤</u> 20 %	<u>≤</u> 20 %	<u>≤</u> 20 %	≤ 20 %
	the rated speed			< 1 sec provided engine reach the rated speed