

INDIA'S #1 GENSET BRAND

15 - 160 kVA



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

EFFICIENCY HAS A NEW NAME

15 - 160 kVA

Prime Rating at rated rpm (as per ISO 8528) ¹		kVA kW	15 12	20 16	25 20	30 24
Genset Model			KG1-15ASE1	KG1-20WSE1	KG1-25WSE	KG1-30WSE
Power factor		lagging	0.8	0.8	0.8	
Voltage		V	230 (1Ø) & 415 (3Ø)			
Governing class (As per ISO 8528 Part-V)						
Fuel Consumption #	At 100% Load	Ltrs/Hr				
	At 75% Load		3	3.8	4.4	5.8
Fuel tank capacity		Ltrs	45	65	65	65
Weight of genset with canopy (approx.)	Dry	Kg	810	880	1040	1040
	Wet	Kg	860	930	1090	1090
Overall dimensions of genset [^]			1740	2205	2500	2500
			1050	950	950	950
			1474	1294	1294	1294
Electrical Battery starting voltage		Volts-DC	12	12	12	12
ENGINE						
Engine Model			HA294 G1	2R1040 G1	3R1040T G1	3R1040T G1
Rated output (Prime Continuous rating as per ISO 8528-1)						
No. of cylinder		Number	2	2	3	3
Cubic capacity ²		Ltrs	1.88	2.08	3.12	3.12
Coolant Capacity		Ltrs	NA	9	14.5	14.5
ALTERNATOR						
Alternator Efficiency (at 100% load) 0.8 pf		%	85.2	88.6	89	87.9
Max Voltage Dip at Full Load 0.8 pf Lag		sec	< 20 %	< 16 %	< 16 %	< 16 %
Max Time to build up rated voltage at Rated RPM						

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 Kirtoskar Oil Engines for available prime power.

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

40 32	45 36	62.5 50	82.5 66	100 80	125 100	160 128
KG1- 40WSE	KG1 - 45WSE	KG1- 62.5WSE	KG1- 82.5WS	KG1-100WS	KG1-125WS	KG1-160WS
50	50	50	50	50	50	50
0.8	0.8	0.8	0.8	0.8	0.8	0.8
415 3Ø						
G2	G2	G2	G2	G3	G3	G3
<75	<75	<75	< 75	< 75	< 75	< 75
9.2	10.3	14.1	18.8	21.9	27.4	36.6
7.4	8.7	11.3	13.8	16.9	20.2	27.7
5.5	5.9	7.5	10.3	12.2	15.3	19.1
100	100	150	150	230	230	300
1180	1180	1470	1710	2040	2090	2730
1215	1215	1600	1840	2240	2290	3110
2750	2750	2900	3200	3200	3200	4000
1050	1050	1100	1100	1300	1300	1500
1493	1493	1581	1595	1795	1795	1915
12	12	12	12	12	12	12
3R1040TA G1	3R1040TA G1	4R810TA G1	4R1040TA G1	4K1080TA G2	4K1080TA G2	6K1080TA G2
41.2	41.2	61	74.8	114.7	114.7	147
56	56	83	102	156	156	200
3	3	4	4	4	4	6
3.12	3.12	3.24	4.16	4.32	4.32	6.48
105 x 120	105 x 120	96 x 112	105 x 120	105 x 125	105 x 125	105 x 125
1500	1500	1500	1500	1500	1500	1500
TA	TA	TA	TA	TA	TA	TA
500	500	500	500	500	500	500
8	8	10	10	14	14	18
11.5	11.5	17.5	24	21	21	28
Class H	Class H	Class H	Class H	Class H	Class H	Class H
88.4	88.2	91	89.9	92	92.4	92.8
< 16 %	< 16 %	< 20 %	< 20 %	< 20 %	< 20 %	< 20 %
< 5 sec provided engine reach the rated speed						

