

PRESENTS

kirloskar

Oil Engines

POWER SOLUTIONS



Power, Performance, Peace of Mind!

KIRLOSKAR GREEN WATERCOOLED GENERATING SET RANGE – 3 PHASE, 4 WIRE, 50Hz

Voltage 380/220 (L-L / L-N)

Model	Open	KG15W	KG20W	KG30W	KG40W	KG62W	KG82W	KG100W	KG125W
	Silent	KG15WS	KG20WS	KG30WS	KG40WS	KG62WS	KG82WS	KG100WS	KG125WS
Generator									
Prime Power Output (PRP)	kVA	15	20	30	40	62,5	82,5	100	125
	kW	12	16	24	32	50	66	80	100
Standby Power Output (ESP)	kVA	16,5	22	33	44	68,75	90,75	110	137,5
	kW	13,2	17,6	26,4	35,2	55	72,6	88	110
Fuel Tank Capacity - Open	Liters	65	65	80	80	150	155	225	225
Fuel Tank Capacity - Silent	Liters	43	43	75	95	150	150	225	225
Fuel consumption* PRP L/Hr	75%	3,29	4,08	5,82	7,45	11,1	13,84	16,96	20,74
	100%	4,27	5,33	7,69	9,76	14,6	18,33	22,46	26,76
Sound Level at 7m Silent	dB(A)	70	70	70	70	70	70	70	70
Dimensions (LxWxH) - Open	cm	141 x 104 x 133	141 x 104 x 133	150 x 109 x 134	175 x 109 x 136	211 x 106 x 146	211 x 106 x 146	224 x 104 x 160	224 x 104 x 164
Dimensions (LxWxH) - Silent	cm	205 x 105 x 135	205 x 100 x 130	220 x 105 x 155	265 x 111 x 170	299 x 115 x 182	299 x 115 x 182	325 x 114 x 187	326 x 115 x 187
Dry weight - Open (Net)	kg	650	700	790	840	1100	1200	1450	1510
Dry weight - Silent (Net)	kg	920	970	1100	1310	1630	1950	2120	2180
Engine									
Make / Model		Kirloskar / 2R1040	Kirloskar / 2R1040	Kirloskar / 3R1040	Kirloskar / 4R1040	Kirloskar / 4R1040T	Kirloskar / 4R1040TA	Kirloskar / 4K1080TA	Kirloskar / 4K1080TA
Engine output Prime Power	hp	27	27	42	56	83	105	156	156
No. Of Cylinders & Configuration		2 - Inline	2 - Inline	3 - Inline	4 - Inline	4 - Inline	4 - Inline	4 - Inline	4 – Inline
Bore x Stroke	mm	105 x 120	105 x 120	105 x 120	105 x 120	105 x 120	105 x 120	105 x 125	105 x 125
Displacement	Liters	2,08	2,08	3,12	4,16	4,16	4,16	4,32	4,32
Aspiration		Natural	Natural	Natural	Natural	TC	TA	TA	TA
Starting System		12V	12V	12V	12V	12V	12V	12V	12V
Governor		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Electronic	Electronic
Lub oil sump capacity	Liters	7	7	9	11	11	11	17	17
Coolant capacity	Liters	10	10	12	18	24	24	54	54
Alternator									
Make (Brand)		Stamford	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford
Model		PI 144 G1	PI 144 D1	PI 144 G1	PI 144 J1	UCI224F1	UCI224G1	UCI274C1	UCI274V1
No. of bearings		Single	Single	Single	Single	Single	Single	Single	Single
Insulation class / Temp. Rise at ambient 40°	Deg	H / 125°C	H / 125°C	H / 125°C	H / 125°C	H / 125°C	H / 125°C	H / 125°C	H / 125°C
Wires		12	12	12	12	12	12	12	12
Ingress protection		IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
AVR model		AS480	AS480	AS480	AS480	AS440	AS440	AS440	AS440
Excitation		Self excited	Self excited	Self excited	Self excited	Self excited	Self excited	Self excited	Self excited
Voltage regulation	%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%

Model	Open	KG160W	KG200W	KG250W	KG320W	KG400W	KG500W	KG625W	KG1010W
	Silent	KG160WS	KG200WS	KG250WS	KG320WS	KG400WS	KG500WS	KG625WS	KG1010WS
Generator									
Prime Power Output (PRP)	kVA	160	200	250	320	400	500	625	1010
	kW	128	160	200	256	320	400	500	808
Standby Power Output (ESP)	kVA	176	220	275	352	440	550	655	1100
	kW	140,8	176	220	281,6	352	440	524	880
Fuel Tank Capacity - Open	Liters	280	310	310	530	530	665	900	425
Fuel Tank Capacity - Silent	Liters	350	310	310	530	530	860	930	900
Fuel Consumption* PRP L/Hr	75%	25	31,94	42,22	49,5	61,55	76,32	96,6	161
	100%	34	42,3	55,12	66	80,38	99,67	128,8	208
Sound Level at 7m Silent	dB(A)	70	70	70	70	70	75	75	80
Dimensions (LxWxH) - Open	cm	259 x 133 x 173	311 x 154 x 170	311 x 154 x 170	339 x 166 x 220	339 x 166 x 220	365 x 184 x 235	379 x 178 x 236	455 x 210 x 240
Dimensions (LxWxH) - Silent	cm	373 x 156 x 224	458 x 167 x 197			492 x 200 x 224		520 x 212 x 230	566 x 212 x 284
Dry weight - Open (Net)	kg	1910	2320	2320	2320	4250	4750	5200	8650
Dry weight - Silent (Net)	kg	2720	3440	3670	6000	6300	7100	7830	13200
Engine									
Make / Model		Kirloskar / 6K1080TA	Kirloskar / 6SL1500TA	Kirloskar / 6SL8800TA	Kirloskar / DV8TA	Kirloskar / DV8TA	Kirloskar / DV10TA	Kirloskar / DV12TA	Kirloskar / DV16TA
Engine output Prime Power	hp	200	248	310	400	490	608	750	889
No. Of Cylinders & Configuration		6 - Inline	6 - Inline	6 - Inline	6 - Inline	8 - V	10 - V	12 - V	16 – V
Bore x Stroke	mm	106 x 125	118 x 135	118 x 135	130 x 150	130 x 150	130 x 150	130 x 150	130 x 150
Displacement	Liters	6,48	8,86	8,86	15,91	15,91	17,98	23,88	31,86
Aspiration		TA	TA	TA	TA	TA	TA	TA	TA
Starting System		12V	24V	24V	24V	24V	24V	24V	24V
Governor		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Lub oil sump capacity	Liters	21	24	24	41	41	45	45	130
Coolant capacity	Liters	54	43	43	123	123	133	144	180
Alternator									
Make (Brand)		Stamford	Stamford	Stamford	Stamford	Stamford	Stamford	Stamford	Leroy Somer
Model		UCI247F1	UCI247F1	UCI274H1	HCI444C1	HCI444F1	HCI44D1	HCI544F1	1010kVA
No. of bearings		Single	Single	Single	Single	Single	Single	Single	Single
Insulation class / Temp. Rise at ambient 40°	Deg	H / 125°C	H / 125°C	H / 125°C	H / 125°C	H / 125°C	H / 125°C	H / 125°C	H / 125°C
Wires		12	12	12	12	12	12	12	4
Ingress protection		IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
AVR model		AS440	AS440	AS440	AS440	AS440	AS440	AS440	AS450
Excitation		Self excited	Self excited	Self excited	Self excited	Self excited	Self excited	Self excited	Self excited
Voltage regulation	%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%

KIRLOSKAR GREEN

AIRCOOLED

GENERATING SET RANGE – 3 PHASE, 4 WIRE, 50Hz

Voltage 380/220 (L-L / L-N)

Model	Open	KG15A	KG25A	KG35A	KG45A	KG50A	KG70A
	Silent	KG15AS	KG25AS	KG35AS	KG45AS	KG50AS	KG70AS
Generator							
Prime Power Output (PRP)	kVA	15	25	35	45	50	70
	kW	12	20	28	36	40	56
Emergency Standby Power Output (ESP)	kVA	16.5	26.3	36.8	47.3	52.5	73.5
	kW	13.2	21.0	29.4	37.8	42.0	58.8
Fuel Tank Capacity – Open	Liters	63	65	105	105	115	115
Fuel Tank Capacity – Silent	Liters	63	65	105	105	115	115
Fuel consumption L/Hr	75%	3.2	4.7	6.6	8.4	9.2	12.6
	100%	4.3	6.4	8.9	11.3	12.4	16.9
Sound Level at 7m Silent	dB(A)	70	70	70	70	70	70
Dimensions (LxWxH) – Open	cm	130 x 92 x 130	144 x 97 x 133	167 x 92 x 138	197 x 92 x 127	212 x 97 x 140	234 x 101 x 124
Dimensions (LxWxH) – Silent	cm	172 x 105 x 143	197 x 111 x 163	242 x 110 x 214	242 x 110 x 214	277 x 116 x 213	277 x 116 x 213
Dry weight - Open	kg	650	790	790	820	1040	1070
Dry weight - Silent	kg	820	1060	1290	1340	1590	1620
Engine							
Make / Model		Kirloskar / HA294	Kirloskar / HA394	Kirloskar / HA494	Kirloskar / HA494TC	Kirloskar / HA694	Kirloskar / HA694TC
Engine output Prime Power	hp	20.5	32	43	56	65	83
No. Of Cylinders & Configuration		2 - Inline	3 - Inline	4 - Inline	4 - Inline	6 - Inline	6 – Inline
Bore x Stroke	mm	100 x 120	100 x 120	100 x 120	100 x 120	100 x 120	100 x 120
Type		4 Stroke	4 Stroke	4 Stroke	4 Stroke	4 Stroke	4 Stroke
Displacement	Liters	1,88	2,82	3,78	3,78	5,65	5,65
Aspiration		Natural	Natural	Natural	Turbo Charged	Natural	Turbo Charged
Starting System		12V	12V	12V	12V	12V	12V
Governor		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Pump type / Injection		7	9	11	11	11	17
Lub Oil Sump Capacity	Liters	10	12	18	24	24	54
Alternator							
Make		Stamford	Stamford	Stamford	Stamford	Stamford	Stamford
Model		PI 044 G1	PI 144 E1 PI 144 FI	PI 144 G1	UCI224D1	UCI224E1	UCI224F1 UCI224E1
Type		Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
No. of bearings		Single	Single	Single	Single	Single	Single
Insulation		Class H	Class H	Class H	Class H	Class H	Class H
Temp. rise at ambient 40°	Deg	125	125	125	125	125	125
Wires		12	12	12	12	12	12
Ingress Protection		IP23	IP23	IP23	IP23	IP23	IP23
AVR Model		AS480	AS480	AS480	AS480	SX460	SX460
Excitation		Self excited	Self excited	Self excited	Self excited	Self excited	Self excited
Voltage Regulation	%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%

Notes:

1. *With 0.845 Specific Gravity of diesel (+5% Tolerance)
2. The weight declared here is fore handling and transportation only.
3. For site conditions other than standard operating conditions consult KOEL for available prime power.
4. All above ratings are also available with AMF (for AMF panel inside enclosure please contact KOEL regional office).
5. TC – Turbocharged, TA – Turbocharged after cooled.

Definitions of Ratings : (As per ISO 8528) **PRP (Prime Power)** – PRP ratings are applicable for supplying continuous electrical power at variable load in lieu of commercial purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

ESP (Emergency Standby Power) – ESP rating is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of utility power outage.

This rating is applicable for 200hours of operation per year with the maintenance intervals and procedures being carried out. The permissible average power output over 24hours of operation shall not exceed 70% of the ESP. No overload is permitted above ESP rating.

Unmatched Features

Extended Service Intervals

Low Maintenance Cost

Easy Instalation

Easy To Start

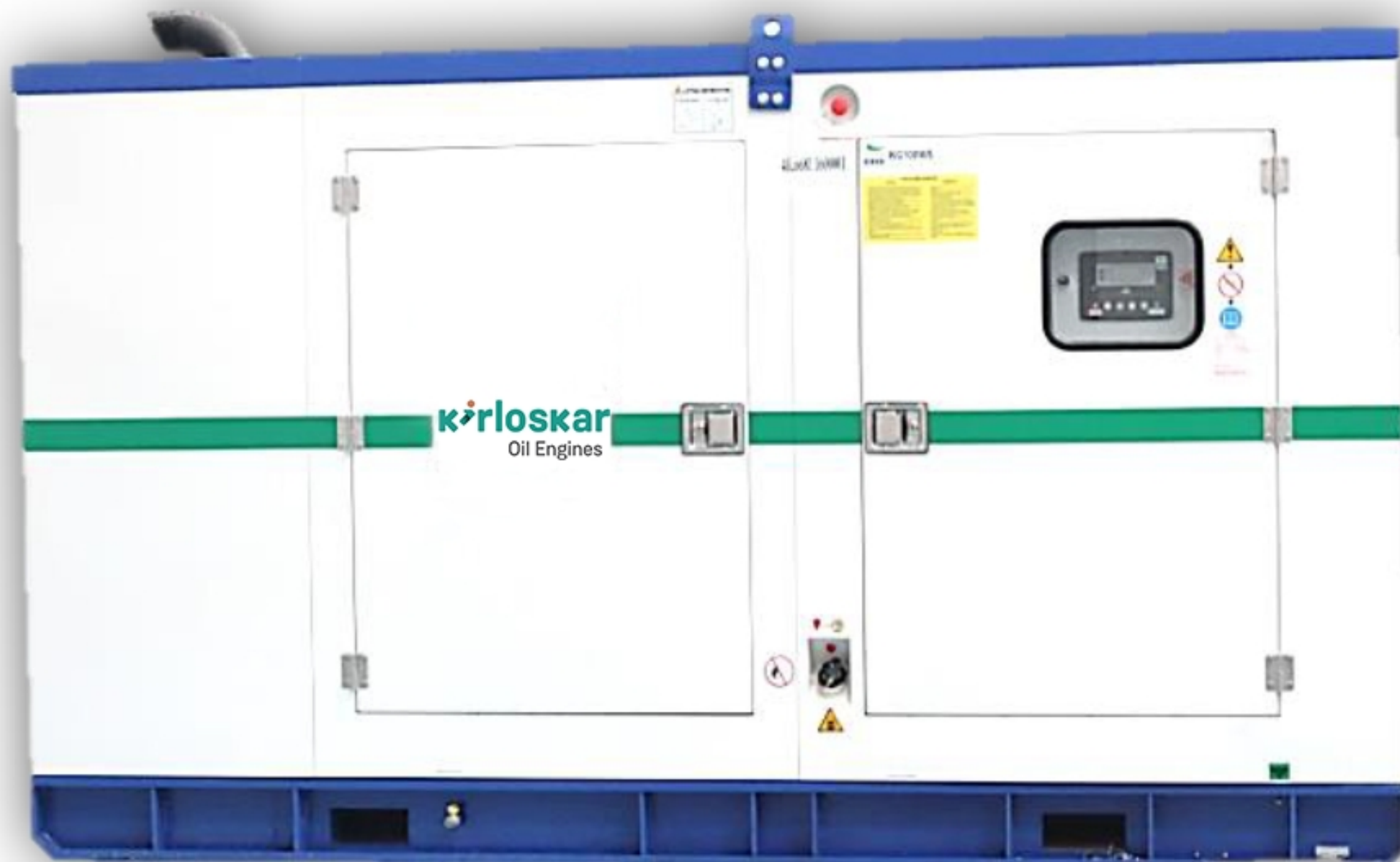
500 Hours Service Interval
For ALL models subject to
usage of 15W40-C14 grade
oil.

Low Fuel Consumption

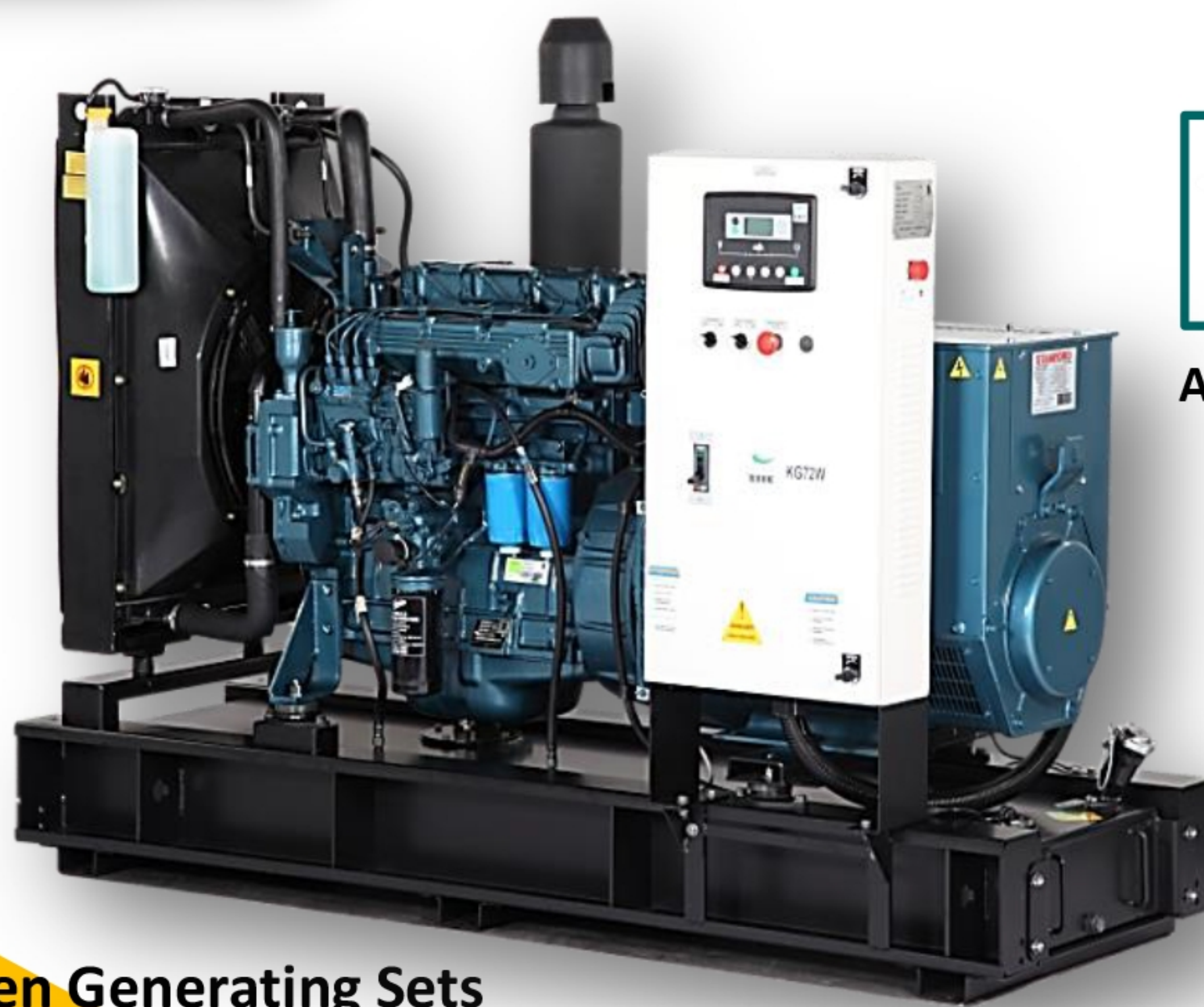
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COMPLETE TECHNOLOGY SOLUTIONS

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OVER DECADES



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Open Generating Sets



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