

Airman Generator Specifications

Model	SDG13LAX	SDG25S-8E1	SDG40S-8E1	SDG45S-8E1	SDG65S-8E1	SDG125S-8E1	SDG150S-8E1	SDG400S-8E1	
GENERATOR SPECIFICATIONS									
Generator Type	Airman Generator End	Airman Generator End	Airman Generator End	Airman Generator End	Airman Generator End	Airman Generator End	Taiyo Generator End	Taiyo Generator End	
Armature Connection	Star with Neutral/Zig Zag								
No. of Poles	4-Pole								
Insulation	F-Class								
Excitation	Brushless with AVR								
Voltage Regulation	±0.5%								
Power Factor %	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
Frequency	60 Hz	60 Hz							
Prime Power	12.5 kVA / 9.6 kW	25 kVA / 20 kW	36 kVA / 28.8 kW	45 kVA / 36 kW	65 kVA / 52 kW	125 kVA / 100 kW	150 kVA / 120 kW	400 kVA / 320 kW	
Standby Power	13.8 kVA / 11 kW	27.5 kVA / 22 kW	37.8 kVA / 30.2 kW	48.5 kVA / 38.8 kW	67 kVA / 53.6 kW	137.5 kVA / 110 kW	165 kVA / 132 kW	420 kVA / 336 kW	
Voltage Single Phase	120V / 240V (Simultaneous)	120V / 240V / 277V (Switchable)						120V / 127V / 139V / 240V / 254V / 277V (Switchable)	
Voltage Three Phase	208V / 240V (Simultaneous)	208V / 240V / 416V / 480V (Switchable)						208V / 220V / 240V / 416V / 440V / 480V (Switchable)	
AMPERAGE									
Single Phase 120V	40 Amp x 2	60 Amp x 2	108 Amp x 2	108 Amp x 2	152 Amp x 2	300 Amp x 2	361 Amp x 2	20 Amp x 2	
Single Phase 240V	40 Amp	60 Amp	108 Amp	108 Amp	152 Amp	300 Amp	361 Amp	50 Amp x 3	
Three Phase 208V	30 Amp	60 Amp	95 Amp	119 Amp	167 Amp	328 Amp	394 Amp	1049 Amp	
Three Phase 240V	30 Amp	60 Amp	86 Amp	108 Amp	152 Amp	300 Amp	361 Amp	962 Amp	
Three Phase 480V	N/A	30 Amp	43 Amp	54 Amp	76 Amp	150 Amp	180 Amp	481 Amp	
ENGINE SPECIFICATIONS									
Engine Model	Kubota D1503	Isuzu 4LE2T	Kubota V2403-CR-T	Isuzu 4LE2X	Isuzu 4JJ1X	Isuzu BR-4HK1X	John Deere 6068HFG05	Isuzu 6WG1X	
EPA Emission Level	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	
Engine Type/Cylinders	4-Cycle, water-cooled direct injection	4-Cycle, water-cooled direct injection turbocharged / 4	4-Cycle, water-cooled, direct injection turbocharged air-to-air intercooled, DOC	4-Cycle, water-cooled, direct injection turbocharged / 4	4-Cycle, water-cooled, direct injection turbocharged intercooler, DOC, SCR / 4	4-Cycle, water-cooled, direct injection turbocharged air-to-air intercooled, DOC, SCR	4-Cycle, water-cooled, direct injection turbocharged intercooler, EGR, DOC, SCR / 4	6-Cycle, water-cooled, direct injection turbocharged intercooler, EGR, DOC, SCR / 6	
Output @ Rated Speed (1800 rpm)	18.4 HP	33.3 HP	44.9 HP	59.0 HP	86.5 HP	147.9 HP	235 HP	457.7 HP	
Governor Type	Electronic								
Integral Fuel Tank Capacity	26.4 gal.	51.5 gal.	84.5 gal.	106 gal.	111 gal.	171 gal.	204 gal.	491 gal.	
Fuel Containment	110%								
DEF Tank Capacity					7.4 gal.	7.4 gal.	11.7 gal.	25 gal.	
Lubricating Oil Capacity	1.72 gal.	2.7 gal.	2.6 gal.	3.1 gal.	4.0 gal.	6.1 gal.	8.7 gal.	12.4 gal.	
Coolant Capacity	1.72 gal.	2.7 gal.	2.5 gal.	2.5 gal.	3.0 gal.	6.9 gal.	7.1 gal.	18.7 gal.	
Battery	12V-55Ah	12V x 1 12V System				12V-140Ah x 1 12 V System	12V-150Ah x 1 12 V System	12V-176Ah x 2 12 V System	
FUEL CONSUMPTION									
FULL Load	1.0 gal./hr.	1.6 gal./hr.	2.3 gal./hr.	2.8 gal./hr.	3.9 gal./hr.	7.4 gal./hr.	8.5 gal./hr.	23.1 gal./hr.	
75% Load	0.79 gal./hr.	1.3 gal./hr.	1.7 gal./hr.	2.1 gal./hr.	3.1 gal./hr.	5.5 gal./hr.	6.9 gal./hr.	17.4 gal./hr.	
50% Load	0.58 gal./hr.	1.0 gal./hr.	1.2 gal./hr.	1.5 gal./hr.	2.3 gal./hr.	3.7 gal./hr.	5.1 gal./hr.	12.1 gal./hr.	
Run Time @ Full Load	26.4 hr.	32.1 hr.	36.7 hr.	37.8 hr.	28.5 hr.	23.1 hr.	24.0 hr.	21.3 hr.	
WEIGHTS AND DIMENSIONS									
LxWxH without Trailer	55" x 26" x 46"	67" x 31" x 55"	75" x 38" x 61"	82" x 38" x 61"	97" x 39" x 67"	113.4" x 51.2" x 72.8"	130" x 51" x 84.6"	177" x 59" x 107.5"	
LxWxH with Trailer	115" x 62" x 60.5"	119" x 54" x 62"	144" x 70" x 73"	144" x 70" x 73"	160" x 74" x 84.25"	196" x 79" x 85"	196" x 79" x 85"	270" x 92" x 121"	
GVWR	1995 lb.	2950 lb.	4057 lb.	5500 lb.	4189 lb.	9900 lb.	9900 lb.	19,602 lb.	
Trailer Weight	494 lb.	625 lb.	992 lb.	1225 lb.	1074 lb.	1650 lb.	1350 lb.	2650 lb.	
Dry Weight/Operating Weight (Generator Only)	1290 lb. / 1500 lb.	2433 lb. / 2830 lb.	2426 lb. / 3065 lb.	3831 lb. / 4599 lb.	3307 lb. / 4189 lb.	5313 lb. / 6658 lb.	6878 lb. / 8488 lb.	13,206 lb. / 17,042 lb.	
Sound Level @ 23 Feet (No/Full Load)	58/64 dBA	57/63 dBA	57/61 dBA	57/64 dBA	59/65 dBA	66/67 dBA	61/67 dBA*	67/70 dBA	