

AIRMAN®

Generators



AIRMAN®

The industry's first choice!

Electronic Fuel Primer and Air Bleed (EFPA) for easy priming and minimal downtime

Delta Demand Excitation delivers the industry's best motor starting capability and automatically adjusts under variable loads

Curbside electrical panel for increased safety

Rugged, high quality trailer

24-hour run time on all units

SDG150S-8E1
150 kVA

Large mechanical lugs allow for easy connection in hard wire applications (*except SDG25*)

110% fluid containment and external drain for increased safety

Extended run time through external fuel connection

Excellent warranty

- 1 year 1500 hour bumper to bumper warranty
- 2 year 2000 hour alternator warranty
- 2 year 2000 hour full engine warranty

Optional accessories

- Single and Dual Camlocks
- Engine Block Heater
- Battery Charger

Generators



SDG25S-8E1
25 kVA



SDG13LAX
13 kVA



SDG45S-8E1
45 kVA



SDG40S-8B1
38 kVA



SDG65S-8E1
65 kVA

Also
available
from



SDG125S-8E1 — 125 kVA (September 2019)

SGD400S-8E1 — 400 kVA

Airman Generator Specifications

Model	SDG13LAX	SDG25S-8E1	SDG40S-8B1	SDG45S-8E1	SDG65S-8E1	SDG150S-8E1	SDG400S-8E1	
GENERATOR SPECIFICATIONS								
Generator Type	Airman Generator End	Airman Generator End	Taiyo 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	1.0	0.8	0.8	0.8	0.8	
Frequency	60 Hz	60 Hz / 50 Hz						
Prime Power	12.5 kVA / 9.6 kW	25 kVA / 20 kW	38 kVA / 30.4 kW	45 kVA / 36 kW	65 kVA / 52 kW	150 kVA / 120 kW	400 kVA / 320 kW	
Standby Power	13.8 kVA / 11 kW	27.5 kVA / 22 kW	39 kVA / 31.2 kW	48.5 kVA / 38.8 kW	67 kVA / 53.6 kW	165 kVA / 132 kW	420 kVA / 336 kW	
Voltage Single Phase	120V / 240V (Switchable)	120V / 240V / 277V (Switchable)					120V / 127V / 139V / 240V / 254V / 277V (Switchable)	
Voltage Three Phase	208V / 240V (Switchable)	208V / 240V / 416V / 480V (Switchable)					208V / 220V / 240V / 416V / 440V / 480V (Switchable)	
AMPERAGE								
Single Phase 120V	40 Amp x 2	60 Amp x 2	91.4 Amp x 2	108 Amp x 2	152 Amp x 2	361 Amp x 2	20 Amp x 2	
Single Phase 240V	40 Amp	60 Amp	91.4 Amp	108 Amp	152 Amp	361 Amp	50 Amp x 3	
Three Phase 208V	30 Amp	60 Amp	105.5 Amp	119 Amp	167 Amp	394 Amp	1049 Amp	
Three Phase 240V	30 Amp	60 Amp	91.4 Amp	108 Amp	152 Amp	361 Amp	962 Amp	
Three Phase 480V	N/A	30 Amp	45.7 Amp	54 Amp	76 Amp	180 Amp	481 Amp	
ENGINE SPECIFICATIONS								
Engine Model	Kubota D1503	Isuzu 4LE2T	Kubota V3300	Isuzu 4LE2X	Isuzu 4JJ1X	John Deere 6068HFG05	Isuzu 6WG1X	
EPA Emission Level	Tier 4 Final	Tier 4 Final	Tier 4 Interim	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 swirl chambers / 4	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 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	46.8 HP	59.0 HP	86.5 HP	235 HP	457.7 HP	
Governor Type	Electronic							
Integral Fuel Tank Capacity	26.4 gal.	51.5 gal.	106 gal.	106 gal.	111 gal.	204 gal.	491 gal.	
Fuel Containment	110%							
Lubricating Oil Capacity	1.72 gal.	2.7 gal.	3.4 gal.	3.1 gal.	4.0 gal.	8.7 gal.	12.4 gal.	
Coolant Capacity	1.72 gal.	2.7 gal.	2.4 gal.	2.5 gal.	3.0 gal.	7.1 gal.	18.7 gal.	
Battery	12V-55Ah	12V x 1 12V 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.	2.6 gal./hr.	2.8 gal./hr.	3.9 gal./hr.	8.5 gal./hr.	23.1 gal./hr.	
75% Load	0.79 gal./hr.	1.3 gal./hr.	1.9 gal./hr.	2.1 gal./hr.	3.1 gal./hr.	6.9 gal./hr.	17.4 gal./hr.	
50% Load	0.58 gal./hr.	1.0 gal./hr.	1.4 gal./hr.	1.5 gal./hr.	2.3 gal./hr.	5.1 gal./hr.	12.1 gal./hr.	
Run Time @ Full Load	26.4 hr.	32.1 hr.	40.8 hr.	37.8 hr.	28.5 hr.	24.0 hr.	21.3 hr.	
WEIGHTS AND DIMENSIONS								
LxWxH without Trailer	55" x 26" x 46"	67" x 31" x 55"	82" x 39" x 61"	82" x 38" x 61"	97" x 39" x 67"	130" x 51" x 84.6"	177" x 59" x 107"	
LxWxH with Trailer	N/A	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"	264" x 94" x 27.4"	
GVWR	N/A	2950 lb.	5500 lb.	5500 lb.	4189 lb.	9900 lb.	20,000 lb.	
Trailer Weight	N/A	625 lb.	1225 lb.	1225 lb.	1074 lb.	1650 lb.	4280 lb.	
Dry Weight/Operating Weight	1290 lb. / 1500 lb.	2433 lb. / 2830 lb.	3780 lb. / 4550 lb.	3831 lb. / 4599 lb.	3307 lb. / 4189 lb.	6878 lb. / 8488 lb.	16,560 lb. / 19,949 lb.	
Sound Level @ 23 Feet (No/Full Load)		63/63 dBA	60/61 dBA	57/64 dBA	64/64 dBA	66/61 dBA	70/67 dBA	

Note: All specifications are subject to change without notice.

Alliance North America, Inc. is committed to supplying the highest quality products with unmatched performance that maintain their value over time. Delivery of AIRMAN products is only the beginning of our commitment to our customers. With dedicated parts and service, from the first handshake to the last oil change, we are here to keep your AIRMAN making you dollar after dollar.



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