



ANA

We make your world easier.

AIRMAN®

MOBILE GENERATORS

Built to Perform in Any Environment



Run with the best. Run with AIRMAN.

ANACORP.COM

// World Class Support You Can Count On

ANA not only manufactures and sells the industry's highest-quality equipment - we back it with full-service support for AIRMAN® and Hokuetsu OEM products. Our expert service team is available 24/7 to keep your fleet running strong, offering on-call technical assistance, fast parts processing, warranty support, and hands-on product training.

ANA's digital Knowledge Base provides access to a comprehensive library of AIRMAN technical documents, along with SmartEquip®, the leading platform for fleet parts and service information.

SmartEquip®



// Optional Accessories

ANA stocks a wide variety of genuine AIRMAN generator parts and model-specific accessories.

- CAM-Loks
- Battery Charger
- Battery Blanket
- Engine Block Heater
- Fuel Filter Heater
- Paralleling*
- Lockable Battery Disconnect
- Lower Radiator Hose Heater
- Extended Run Fuel Tank
- CCV Heater
- 4-Position Voltage Selector
- 600V Configuration

*(Available on SDG125, SDG150, SDG220, and SDG400 only)

// Why Choose ANA?

Since 1971, AIRMAN has been setting the global standard for mobile power generation. Known for unmatched performance, reliability, and durability, AIRMAN generators are trusted across industries, from construction and utilities to disaster response and live events. Backed by ANA's North American support network, you get more than just equipment, you get peace of mind!

// Productivity

- 24+ hour runtime on internal fuel tank
- 110% fluid containment
- Ultra-quiet design
- Easily accessed curbside filter servicing
- Remote fluid drains for painless fluid maintenance

// Serviceability

- Large access doors provide ample space for servicing
- Intuitive diagnostics aid in troubleshooting
- More than 95% of service issues resolved by phone
- 93% same-day parts fulfillment from ANA

// Cost of Ownership

- Consistent, quality manufacturing processes reduce the need for non-consumable parts purchases
- Extremely long lasting machines that won't quit

// Return on Investment

- Rolled corners prevent damage and prevent corrosion
- Stainless steel hardware
- Electro-deposition coating prevents corrosion on alternator while improving insulation
- Heavy duty construction improves resale value

Built to Perform in Any Environment.



AIRMAN® Value-Added Features



Only ANA has the Industry's Highest-Quality Mobile Generators

Explore our AIRMAN Mobile Generators

SDG13LAX-8E1

Kubota® D1503

13KVA

18.4HP • 61dBA • 27.7HR • 1,500lbs



SDG25S-8E1

Isuzu® 4LE2T

25KVA

33.3HP • 63dBA • 32HR • 2,205lbs



SDG40S-8E1

Kubota® V2403

36KVA

44.9HP • 61dBA • 37HR • 3,065lbs



SDG45S-8E2

Isuzu® 4LE2X

45KVA

57.7HP • 61dBA • 28.7HR • 3,337lbs



SDG65S-8E1

Isuzu® 4JJ1X

65KVA

86.5HP • 65dBA • 28.5HR • 4,189lbs



SDG125S-8E1

Isuzu® BR-4HK1X

125KVA

147.9HP • 67dBA • 23.3HR • 6,702lbs



SDG150S-8E1

John Deere® 6068

150KVA

235HP • 67dBA • 24HR • 8,488lbs



SDG220S-8E1

John Deere® 6068

220KVA

323HP • 69dBA • 23.5HR • 9,656lbs



SDG400S-8E1

Isuzu® 6WG1X

400KVA

457.7HP • 70dBA • 21.3HR • 17,042lbs



SMARTLOAD™

LOAD BANK SYSTEM

The SmartLoad™ System from ANA is a fully automatic load bank designed to prevent wet stacking and light loading issues for Tier 4 engines. SmartLoad automatically adds 30% - 40% load when generator output drops below 30%, and disengages when load exceeds 75%, ensuring optimal performance without manual intervention.

The system features automatic phase and voltage sensing, supports vertical air discharge configurations and promotes down renting, faster rent readiness, and increased utilization, making it a smart solution for mobile generators in demanding environments.

Application Information

Amperage Chart 80% Power Factor - Three Phase					Single Phase	
kVA	kW	208V	240V	480V	kVA	120/240
6.3	5	17.3	15	7.5	5	20.8
12.5	10	34.7	30.1	12	10	41.7
18.8	15	52	45.1	22.5	15	62.5
31.3	25	87	75.2	37.6	25	104
37.5	30	10	90	45	30	125
50	40	139	120	60	40	167
56.3	45	156	135	68	45	188
62.5	50	173	150	75	50	208
75	60	208	180	90	60	250
93.8	75	260	226	113	75	313
100	80	278	241	120	80	333
125	100	347	301	150	100	417
156	125	343	376	188	125	521
188	150	520	451	225	150	625
219	175	607	526	263	175	729
250	200	694	601	301	200	833
281	225	781	677	338	225	938
313	250	867	752	376	250	1042
344	275	954	827	413	275	1146
375	300	1041	902	451	300	1250
438	350	1214	1052	526	350	1458
500	400	1388	1203	601	400	1667
375	450	1561	1353	677	450	1875
438	500	1735	1504	752	500	2083
750	600	2082	1804	902		
938	750	2602	2255	1128		
1000	800	2776	2406	1203		
1125	900	3123	2706	1353		
1250	1000	3470	3007	1504		
1563	1250	4337	3759	1879	Scan QR code for Spec Sheets, Instruction and Parts Manuals.	
1875	1500	5205	4511	2255		
2188	1750	6072	5262	2631		
2500	2000	6940	6014	3007		

Desired Date	Single Phase	Three Phase
Kilovolt Amperes (kVA)	$\frac{\text{Volts} \times \text{Amps}}{1000}$ or $\frac{\text{kW}}{\text{P.F.}}$	$\frac{1.732 \times \text{Volts} \times \text{Amps}}{1000}$ or $\frac{\text{kW}}{\text{P.F.}}$
Kilowatts (kW)	$\frac{\text{Volts} \times \text{Amps} \times \text{P.F.}}{1000}$ or $\text{kVA} \times \text{P.F.}$	$\frac{1.732 \times \text{Volts} \times \text{Amps} \times \text{P.F.}}{1000}$ or $\text{kVA} \times \text{P.F.}$
Power Factor (P.F.)	$\frac{\text{kW}}{\text{kVA}}$	$\frac{\text{kW}}{\text{kVA}}$
Amperes - When kW is known	$\frac{\text{kW} \times 1000}{\text{Volts} \times \text{P.F.}}$	$\frac{\text{kW} \times 1000}{1.732 \times \text{Volts} \times .8}$
Amperes - When kVA is known	$\frac{\text{kVA} \times 1000}{\text{Volts} \times \text{P.F.}}$	$\frac{\text{kVA} \times 1000}{1.732 \times \text{Volts} \times .8}$
Required Prime Mover HP	$\frac{\text{kW}}{\text{Alternator Efficiency} \times 0.746}$	
Frequency (Hertz)	$\frac{\text{Number of Poles} \times \text{R.P.M.}}{120}$	
Revolutions Per Minute (R.P.M.)	$\frac{\text{Hertz} \times 120}{\text{Number of Poles}}$	
Voltage Regulation (In %)	$\frac{\text{No Load Voltage} - \text{Full Load Voltage} \times 100}{\text{Full Load Voltage}}$	
Speed Regulation (In %)	$\frac{\text{No Load R.P.M.} - \text{Full Load R.P.M.} \times 100}{\text{Full Load R.P.M.}}$	
Voltage Dip Factor (Motor)	$\frac{(100\% - \text{Voltage Dip } \%)}{100}$	

NEMA Codes For Starting kVA/HP Three Phase Motors*					
Code	Starting kVA/HP	Typical Size Range	Code	Starting kVA/HP	Typical Size Range
A	0 - 3.15	-	I	9.0 - 10.0	1 HP
B	3.15 - 3.55	-	M	10.0 - 11.2	Less than 1 HP
C	3.55 - 4.0	-	N	11.2 - 12.5	-
D	4.0 - 4.5	-	P	12.5 - 14.0	-
E	4.5 - 5.0	-	R	14.0 - 16.0	-
F	5.0 - 5.6	15 HP and up	S	16.0 - 18.0	-
G	5.6 - 6.3	10 HP	T	18.0 - 20.0	-
H	6.3 - 7.1	7.5 and 5 HP	U	20.0 - 22.4	-
J	7.1 - 8.0	3 HP	V	22.4 and up	-
K	8.0 - 9.0	2 AND 1½ HP	*Unless actual kVA for Starting is known, use the higher value		

Mobile Generators, Air Compressors and Hybrid Power Storage

Learn more at ANACORP.COM

// Specifications



GENERATOR SPECIFICATIONS	SDG13LAX-8E1	SDG25S-8E1	SDG40S-8E1	SDG45S-8E2	SDG65S-8E1	SDG125S-8E1	SDG150S-8E1	SDG220S-8E1	SDG400S-8E1
ALTERNATOR TYPE	AIRMAN						TAIYO	STAMFORD	TAIYO
ARMATURE CONNECTION	Star with Neutral / Zig Zag								
NUMBER OF POLES	4-Pole								
INSULATION	Class F								
EXCITATION	Brushless with AVR								
VOLTAGE REGULATOR	± 0.5%								
POWER FACTOR	0.8								
FREQUENCY	60Hz								
PRIME POWER	12.5kVA / 10kW	25kVA / 20kW	36kVA / 28.8kW	45kVA / 36kW	65kVA / 51kW	125kVA / 100kW	150kVA / 120kW	220kVA / 176kW	400kVA / 320kW
STANDBY POWER	13.8kVA / 11kW	27.5kVA / 22kW	37.8kVA / 30.2kW	48.5kVA / 38.8kW	69.3kVA / 55.4kW	137.5kVA / 110kW	165kVA / 132kW	242kVA / 194kW	420kVA / 336kW
VOLTAGE (SINGLE PHASE)	120V / 240V (Simultaneous)	120V / 240V / 277V (Switchable)						120V / 127V / 139V / 240V / 254V / 277V (Link Board)	
VOLTAGE (THREE-PHASE)	208V / 240V (Simultaneous)	208V / 240V / 416V / 480V (Switchable)						208V / 220V / 240V / 416V / 440V / 480V (Link Board)	
AMPERAGE									
SINGLE-PHASE (120V)	40A x 2	60A x 2	108A x 2	108A x 2	152A x 2	300A x 2	363A x 2	491A x 2	893A x 2
SINGLE-PHASE (240V)	40A	60A	108A	108A	152A	300A	363A	491A	893A
THREE-PHASE (208V)	30A	65A	95A	119A	167A	328A	394A	608A	1048A
THREE-PHASE (240V)	30A	60A	86A	108A	152A	300A	361A	529A	962A
THREE-PHASE (480V)	N/A	30A	43A	54A	76A	150A	180A	264A	481A
ENGINE SPECIFICATIONS									
ENGINE	Kubota D1503	Isuzu 4LE2T	Kubota V2403-CR-T	Isuzu 4LE2X	Isuzu 4JJ1X	Isuzu BR-4HK1X	J.Deere 6068HFG05	J.Deere 6068HRG06	Isuzu 6WG1X
EPA EMISSION LEVEL	Tier 4 Final								
DIESEL ENGINE TYPE / CYL	4-cycle, liquid cooled direct injection 3 cyl	4-cycle, liquid cooled direct injection turbo 4 cyl	4-cycle, liquid cooled direct injection turbo intercooled 4 cyl	4-cycle, liquid cooled direct injection turbo 4 cyl	4-cycle, liquid cooled direct injection turbo intercooled 4 cyl	4-cycle, liquid cooled direct injection turbo intercooled 4 cyl	4-cycle, liquid cooled direct injection turbo intercooled 6 cyl	4-cycle, liquid cooled direct injection turbo intercooled 6 cyl	4-cycle, liquid cooled direct injection turbo intercooled 6 cyl
OUTPUT @ RATED SPEED	18.4 HP	33.3 HP	44.9 HP	57.7 HP	86.5 HP	147.9 HP	235 HP	323 HP	457.7 HP
ENGINE SPEED	1800 rpm								
GOVERNOR TYPE	Electronic								
FUEL TANK CAPACITY	26.4 gal	51.5 gal	84.5 gal	80.5 gal	111 gal	168 gal	204 gal	285 gal	491 gal
SPILL CONTAINMENT	110%								
DEF TANK CAPACITY	N/A	N/A	N/A	N/A	7.4 gal	7.4 gal	11.7 gal	11.7 gal	25 gal
LUBRICATING OIL CAPACITY	1.72 gal	2.75 gal	2.6 gal	3.1 gal	4.1 gal	6.1 gal	8.7 gal	8.7 gal	15.8 gal
COOLANT CAPACITY	1.72 gal	2.75 gal	2.5 gal	2.5 gal	3.4 gal	6.7 gal	7.1 gal	8.1 gal	19.8 gal
BATTERY	12V x 1, 12V System								12V x 2, 24V 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	7.2 gal / hr	8.5 gal / hr	12.1 gal / hr	23.1 gal / hr
75% LOAD	0.77 gal / hr	1.3 gal / hr	1.7 gal / hr	2.1 gal / hr	3.1 gal / hr	5.4 gal / hr	6.9 gal / hr	9.5 gal / hr	17.4 gal / hr
50% LOAD	0.65 gal / hr	1.0 gal / hr	1.2 gal / hr	1.5 gal / hr	2.3 gal / hr	3.9 gal / hr	5.1 gal / hr	6.8 gal / hr	12.1 gal / hr
RUNTIME @ FULL LOAD	27.7 gal / hr	32 gal / hr	37 gal / hr	28.75 gal / hr	28.5 gal / hr	23.3 gal / hr	24.0 gal / hr	23.55 gal / hr	21.3 gal / hr
WEIGHTS & DIMENSIONS									
LxWxH W/O TRAILER	55" x 26" x 46"	67" x 31" x 55"	74.8" x 38.2" x 61.4"	74.8" x 38.2" x 61.4"	97" x 39" x 67"	113.4" x 51.2" x 84.6"	130" x 51.2" x 84.6"	138" x 51.2" x 87.4"	177" x 59" x 107.5"
LxWxH W/ TRAILER	120" x 60" x 60"	119" x 54" x 62"	144" x 70" x 73"	144" x 70" x 73"	160" x 74" x 84.25"	194" x 83.75" x 89"	211" x 83.7" x 100.6"	219" x 83.7" x 103.4"	270" x 92" x 127"
GVWR	1,995 lbs	2,849 lbs	4,247 lbs	4,519 lbs	5,414 lbs	8,352 lbs	9,838 lbs	11,021 lbs	19,602 lbs
TRAILER WEIGHT	494 lbs	644 lbs	1,182 lbs	1,182 lbs	1,225 lbs	1,650 lbs	1,350 lbs	1,365 lbs	2,650 lbs
DRY/OPERATING WEIGHT	1,290 lbs / 1,500 lbs	1,808 lbs / 2,205 lbs	2,426 lbs / 3,065 lbs	2,954 lbs / 3,337 lbs	3,307 lbs / 4,189 lbs	5,379 lbs / 6,702 lbs	6,878 lbs / 8,488 lbs	7,452 lbs / 9,656 lbs	13,206 lbs / 17,042 lbs
SOUND LEVEL (NO/FULL LOAD)	58 / 61 dBA	57 / 63 dBA	57 / 61 dBA	57 / 61 dBA	59 / 65 dBA	66 / 67 dBA	61 / 67 dBA	63 / 69 dBA	67 / 70 dBA



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*Specifications shown are subject to change without notice.
Please contact ANA, Inc. for current specifications and model information.

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