



# AIRMAN<sup>®</sup>

**MOBILE GENERATORS**

**2022  
FULL-LINE  
BROCHURE**



# ONLY



# HAS THE INDUSTRY'S

## PRIME POWER **RATED & READY**

AIRMAN® has been manufacturing the highest-quality mobile generators since 1971 and is a staple among rental companies, power generation specialists and construction contractors alike. With prime power models ranging from 13 kVA to 400 kVA, AIRMAN has a generator to meet your power demands.

All S-Series AIRMAN generators feature 24-hour runtime fuel tanks and include auxiliary fuel tank connections for extended runtimes. AIRMAN generators include the industry's best automatic voltage regulation ( $\pm 0.5\%$ ) with the widest range of voltage selection and best-in-class motor starting capability.

Run with the best. ***Run with AIRMAN.***

**SDG13LAX-8E1**



**13  
kVA**

Kubota®  
D1503

**SDG25S-8E1**



**25  
kVA**

Isuzu®  
4LE2T

**SDG40S-8E1**



**36  
kVA**

Kubota®  
V2403

**SDG45S-8E2**



**45  
kVA**

Isuzu®  
4LE2X

**SDG65S-8E1**



**65  
kVA**

Isuzu®  
4JJ1X

**SDG125S-8E1**



**125  
kVA**

Isuzu®  
4HK1X

**SDG150S-8E1**



**150  
kVA**

John  
Deere®  
6068

**SDG220S-8E1**



**220  
kVA**

John  
Deere®  
6068

**SDG400S-8E1**



**400  
kVA**

Isuzu®  
6WG1X



# SMARTTEST DIESEL GENERATORS

## AUTOMATIC LOAD OPTIMIZATION

SmartLoad™ technology from ANA automatically optimizes the load on the generator for maximum operating efficiency and reliability.

The SmartLoad system monitors electrical loads off of the generator and automatically engages if the load is 30% or less. The SmartLoad system adds 33-40% load to the generator (Up to 75% max.) and will instantaneously shut off when a load inrush is detected or 75% load is exceeded.

Maintain power reliability, reduce maintenance and prevent wet stacking with the SmartLoad fully automatic load bank system from ANA.

**SMARTLOAD™ LOAD BANK SYSTEM PREVENTS DOWNTIME, COSTLY MAINTENANCE AND THESE TIER 4 ENGINE ISSUES:**



**WET  
STACKING**



**NUISANCE  
SHUTDOWNS**



**RE-GEN  
LOCKOUT**



**ON-SITE  
LOAD  
BANKING**



**ENGINE  
DAMAGE**



**LIGHT  
LOADING**

**SMARTLOAD™**  
**LOAD BANK SYSTEM**

— PATENT PENDING —

**FOR ANA  
AIRMAN®  
GENERATORS  
25-400 kVA**



### Vertical Air Discharge

The SmartLoad System can be inside the discharge chamber (25, 220 & 400), or over the air discharge scoop, to maintain vertical airflow. The weathertight enclosure has sealed electrical connections and uses stainless steel hardware.



### Heavy-duty Resistor Coils

Mobile generators require maximum durability for the most demanding work environments. The SmartLoad system uses spiral coils over resistors with mica thermal insulators for very low heat output and unmatched durability.



### Automatic Phase & Voltage Sensing

The SmartLoad system features an integral control box with fused power connections. The load bank is designed to automatically sense both single-phase to three-phase power and a variety of voltages from 120V to 480V.

**PROMOTES: DOWN RENTING // INCREASED UTILIZATION // FASTER RENT READINESS**

# S HIGHEST-QUALITY MOBILE GENERATOR

## AIRMAN® VALUE-ADDED FEATURES

3-Position Voltage Selector Switch, Lockable



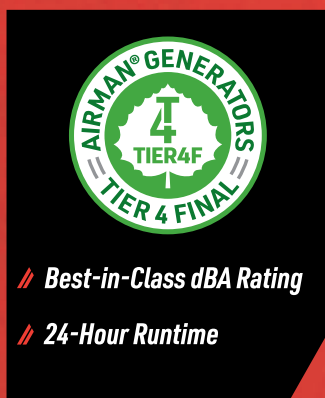
Shown equipped with optional  
**SMARTLOAD™**  
LOAD BANK SYSTEM



### DSE Genset® Control Panel

Each AIRMAN generator features an intuitive DSE control panel for simplified operation.

The Auto Start digital control includes configurable inputs and outputs, audible alarms, engine status and shutdown information, a fuel usage monitor, back-lit LCD screen and many other user-friendly features.



DSE Genset® Control Panel

Lockable Access Doors

Built-in Service Ladder  
(Select Models)

External Emergency  
Stop Button

Heavy-Duty Steel Trailer



▶ SEE THESE INDUSTRY-BEST GENSET FEATURES  
**WATCH AIRMAN® PRODUCT VIDEOS ONLINE**



# GENERATORS RUN WITH AIRMAN®

## WORLD-CLASS SUPPORT

ANA manufactures and sells the industry's highest-quality equipment and provides complete sales and support for AIRMAN and Hokuetsu OEM products.

ANA service professionals are ready to keep your fleet in top condition with 24/7 on call technical support, parts processing, warranty assistance and product training. ANA's online knowledge base includes an extensive library of AIRMAN technical documents and access to SmartEquip® – the premier fleet support platform for parts and service information.

→ Online at [www.anacorp.com/support](http://www.anacorp.com/support)




**SmartEquip®**

## OPTIONAL ACCESSORIES

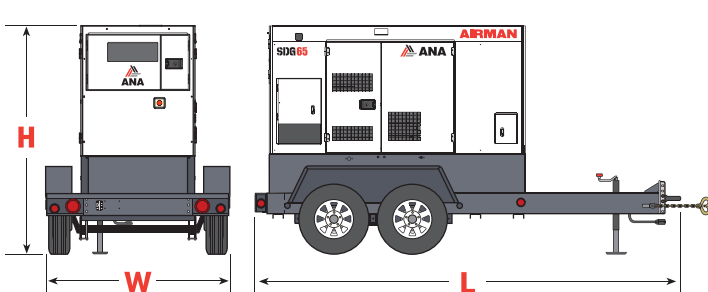
ANA stocks a wide variety of genuine AIRMAN generator parts and model-specific accessories.

### SMARTLOAD™ LOAD BANK SYSTEM

- Cam-Loks™
- Battery Charger
- Lockable Battery Disconnect
- Battery Blanket
- Engine Block Heater
- Lower Radiator Heater

- Fuel Filter Heater
- Paralleling (SDG125, 150, 220 & 400)
- 4-Position Voltage Selector with 120/240V 3-Phase Delta
- Extended Run Fuel Tank
- Auto Start Option on SDG13LAX
- 5-Year/7,000-Hr. Extended Warranty
- CSA Certification 
- 600V

## TRAILER DIMENSIONS



GENERATOR MODEL	LENGTH (L)	WIDTH (W)	HEIGHT (H)
SDG13LAX-8E1	120"	60"	60"
SDG25S-8E1	119"	54"	62"
SDG40S-8E1	144"	70"	73"
SDG45S-8E2	144"	70"	73"
SDG65S-8E1	160"	74"	84.25"
SDG125S-8E1	194"	83.75"	89"
SDG150S-8E1	211"	83.75"	100.6"
SDG220S-8E1	219"	83.75"	103.4"
SDG400S-8E1	270"	92"	127"

All dimensions for standard equipment only. All specifications are subject to change without prior notice.

# COMPLETE PRODUCT SUPPORT FROM ANA

# AIRMAN® SPECIFICATIONS

GENERATOR SPECIFICATIONS	SDG13LAX-8E1		SDG25S-8E1		SDG40S-8E1		SDG45S-8E2		SDG65S-8E1		SDG125S-8E1		SDG150S-8E1		SDG220S-8E1		SDG400S-8E1	
ALTERNATOR TYPE	AIRMAN																	
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	60 Hz																	
PRIME POWER	12.5 kVA / 10 kW		25 kVA / 20 kW		36 kVA / 28.8 kW		45 kVA / 36 kW		65 kVA / 51 kW		125 kVA / 100 kW		150 kVA / 120 kW		220 kVA / 176 kW		400 kVA / 320 kW	
STANOBY POWER	13.8 kVA / 11 kW		27.5 kVA / 22 kW		37.8 kVA / 30.2 kW		48.5 kVA / 38.8 kW		69.3 kVA / 55.4 kW		137.5 kVA / 110 kW		165 kVA / 132 kW		242 kVA / 194 kW		420 kVA / 336 kW	
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)	40 A x 2		60 A x 2		108 A x 2		108 A x 2		152 A x 2		300 A x 2		363 A x 2		491 A x 2		893 A x 2	
SINGLE-PHASE (240V)	40 A		60 A		108 A		108 A		152 A		300 A		363 A		491 A		893 A	
THREE-PHASE (208V)	30 A		65 A		95 A		119 A		167 A		328 A		394 A		608 A		1048 A	
THREE-PHASE (240V)	30 A		60 A		86 A		108 A		152 A		300 A		361 A		529 A		962 A	
THREE-PHASE (480V)	N/A		30 A		43 A		54 A		76 A		150 A		180 A		264 A		481 A	
ENGINE SPECIFICATIONS																		
ENGINE	Kubota D1503		Isuzu 4LE2T		Kubota V2403-CR-T		Isuzu 4LE2X		Isuzu 4JJ1X		Isuzu BR-4HK1X		J. Deere 6068HFG05		J. Deere 6068HFG06		Isuzu 6WG1X	
EPA EMISSION LEVEL	Tier 4 Final																	
DIESEL ENGINE TYPE / CYLINDERS	4-cycle, liquid-cooled direct injection / 3		4-cycle, liquid-cooled direct injection turbocharged / 4		4-cycle, liquid-cooled direct injection turbocharged air-to-air intercooled / 4		4-cycle, liquid-cooled direct injection turbocharged / 4		4-cycle, liquid-cooled direct injection turbocharged in tercooled / 4		4-cycle, liquid-cooled direct injection turbocharged air-to-air intercooled / 4		4-cycle, liquid-cooled direct injection turbocharged in tercooled / 6		4-cycle, liquid-cooled direct injection turbocharged air-to-air intercooled / 6		6-cycle, liquid-cooled direct injection turbocharged intercooled / 6	
OUTPUT @ RATED SPEED (1800 rpm)	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																	
INTEGRAL 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																	
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 hours		32 hours		37 hours		28.75 hours		28.5 hours		23.3 hours		24.0 hours		23.55 hours		21.3 hours	
WEIGHTS & DIMENSIONS																		
L x W x H WITHOUT 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 72.8"		129.9" x 51.2" x 84.6"		137.8" x 51.2" x 87.4"		177" x 59" x 107.5"	
L x W x H WITH 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 83.75" x 100.6"		219" x 83.75" x 103.4"		270" x 92" x 127"	
GVWR	1,995 lb		2,849 lb		4,247 lb		4,519 lb		5,414 lb		8,352 lb		9,838 lb		11,021 lb		19,602 lb	
TRAILER WEIGHT	494 lb		644 lb		1,182 lb		1,182 lb		1,225 lb		1,650 lb		1,350 lb		1,365 lb		2,650 lb	
DRY / OPERATING WEIGHT (GEN. ONLY)	1,290 lb / 1,500 lb		1,808 lb / 2,205 lb		2,426 lb / 3,065 lb		2,954 lb / 3,337 lb		3,307 lb / 4,189 lb		5,379 lb / 6,702 lb		6,878 lb / 8,488 lb		7,452 lb / 9,656 lb		13,206 lb / 17,042 lb	
SOUND LEVEL @ 23 FT (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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