

**AIRMAN®**  
MOBILE GENERATORS



**SDG125**

**125  
kVA PRIME  
POWER**



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

**PERFORMANCE //**

- 1 - DSE® Digital Control Panel
- 2 - Curbside Electrical Panel
- 3 - Large Electrical Lugs
- 4 - Emergency Shut-off Button
- 5 - Delta Demand Excitation™
- 6 - QuieTech™ Sound Attenuation
- 7 - Lockable Voltage Selector

**MAINTENANCE //**

- 8 - Lift-off Door Hinges
- 9 - 110% Fluid Containment
- 10 - Ext. Fuel Tank Connections
- 11 - Built-in Service Ladder
- 12 - Service Extensions
- 13 - Dedicated DEF Access Door

**CONSTRUCTION //**

- 14 - Powder-coated Steel Enclosure
- 15 - Stainless Steel Hardware
- 16 - Lockable Access Doors
- 17 - Automotive Door Seals
- 18 - 168 Gallon Fuel Tank
- 19 - Heavy-Duty Steel Trailer



**Isuzu® 4HK1X**  
Tier 4 / CARB  
Diesel Engine



**1 | DSEgenset® Digital Control Panel**  
Model 7310 MKII



**2 | Single-Phase Receptacles**  
120V - 20A x 2 · 240V - 50A x 3  
Optional Dual Row Cam-Loks™ Shown



**7 | Lockable Voltage Selector Switch**  
3Φ 277/480V & 139/240V-120/208V  
1Φ 120/240V



**10 | External Fuel Tank Connections**  
with 3-Way Selection Valve

**BEST-IN-CLASS dBA RATING // 24-HOUR RUNTIME // WIDEST VOLTAGE RANGE**  
**THE INDUSTRY'S HIGHEST-QUALITY MOBILE GENERATORS**

# GENERATOR MODEL SDG125S-8E1

# RUN WITH AIRMAN®

GENERATOR SPECIFICATIONS	
ALTERNATOR TYPE	<b>SDG125S-8E1</b> <b>AIRMAN</b> WYE Winding
STANDBY OUTPUT	
THREE-PHASE AT 240V 3CD-4 WIRE	137.5 kVA / 110 kW
SINGLE-PHASE AT 240V 1CD-3 WIRE	79.2 kVA / 79.2 kW
PRIME OUTPUT	
THREE-PHASE AT 240V 3CD-4 WIRE	125 kVA / 100 kW
SINGLE-PHASE AT 240V 1CD-3 WIRE	72 kVA / 72 kW
FREQUENCY	60 Hz
VOLTAGE (THREE-PHASE), SWITCHABLE	208/220/240/416/440/480
VOLTAGE (SINGLE-PHASE), SWITCHABLE	120/127/139/240/254/277
ARMATURE CONNECTION	Star with Neutral / Zig Zag
EXCITATION	Brushless with AVR
NUMBER OF POLES	4
POWER FACTOR (THREE-PHASE)	0.8
POWER FACTOR (SINGLE-PHASE)	1.0
INSULATION	Class F
VOLTAGE REGULATION	±0.5%
FREQUENCY REGULATION, STEADY STATE	±0.25% of Overall Mean Value
AMPERAGE	
SINGLE-PHASE (120V) - ZIG ZAG	300A x 2
SINGLE-PHASE (240V) - ZIG ZAG	300A
THREE-PHASE (208V)	328A
THREE-PHASE (240V)	108A
THREE-PHASE (480V)	150A
ENGINE MAKE & MODEL	
ENGINE CONTROL PANEL	<b>ISUZU® BR-4HK1X</b> DSE® 7310 MKII
EPA TIER 4 / CARB EMISSION CERTIFIED 2021	CARB Exec. Order U-R-006-0499 EPA Cert. No. MSZXL05.2RXB-010
TYPE OF AFTERTREATMENT	DEF, DOC, SCR, ASC
ENGINE TYPE	Electronic Direct Injection 4-Cycle Liquid Cooled Diesel
ASPIRATION	Turbocharged & Turbo After Cooler

ENGINE MAKE & MODEL (Continued)	
SAE GROSS HP / BHP@1800 RPM	170.8 BHP / 127.4 kW
HORSEPOWER RATING (@1800 RPM)	147.9 HP / 110.3 kW
NUMBER OF CYLINDERS	4
DISPLACEMENT	317 cu in
ENGINE SPEED	1800 RPM
GOVERNOR TYPE	Electronic
FUEL TYPE	Ultra-low sulfur diesel
DEF CAPACITY	7.4 gal
DEF CONSUMPTION (MAXIMUM)	3.36 gal Per Tank of Diesel
DEF RUNTIME @ FULL LOAD	51.3 hrs
FUEL TANK CAPACITY	168 gal
FUEL CONSUMPTION	
FULL LOAD	7.2 gal/hr
75% LOAD	5.4 gal/hr
50% LOAD	3.9 gal/hr
RUNTIME @ FULL LOAD	23.33 hrs
FUEL PUMP (w/INTEGRAL FILTER)	Self-priming Electric Fuel Pump
FUEL FILTER TYPE / QUANTITY	Pre-filter x 1 Fuel Filter x 1
LUBRICATING OIL CAPACITY	6.1 gal
BATTERY	
SYSTEM VOLTAGE	12V
BATTERY CHARGER ALTERNATOR	110 A
QUANTITY	1
COLD CRANKING AMPS	925 CCA
AMP HOURS	150 Ah
COOLING SYSTEM	
COOLING SYSTEM TYPE	Liquid/Air Fin and Tube Radiator, 50/50 Mix
COOLANT CAPACITY	2.5 gal
WATER PUMP TYPE	Impeller
FAN TYPE	Belt-driven Pusher
NOISE LEVEL @ 23 FEET (NO/FULL LOAD)	63 dBA / 64 dBA

ENCLOSURE	
PAINT TYPE	Positively Charged Ion (E-coat) Electrodeposition Coating, Baking Finish Coating for Weatherproof, and Anti-corrosion and Salt Pollution
ENCLOSURE METAL / CONSTRUCTION	Steel
GAUGE STEEL	16 Gauge
DOOR HINGES	Stainless Steel
SERVICE ACCESS POINTS HARDWARE	Stainless Steel
SPILL CONTAINMENT	110%
WEIGHTS & DIMENSIONS	
LENGTH x WIDTH x HEIGHT	113" x 51" x 73"
DRY WEIGHT	5,379 lbs
OPERATING WEIGHT	6,702 lbs
TRAILER WEIGHT	1,650 lbs
OPERATING WEIGHT w/TRAILER (GVWR)	8,352 lbs
TRAILER WEIGHTS & DIMENSIONS	
LENGTH	196"
WIDTH	79"
HEIGHT W/GENERATOR INSTALLED	85"
WEIGHT	1,650 lbs
WHEEL SIZE-TIRE RATING	ST225/75R15 Load Limit C-2150 lbs @ 80 psi
NUMBER OF AXLES / RATING	2 Axles / 6,000 lbs each
BRAKING TYPE	Surge or Electric
LIGHTING TYPE	LED
CERTIFICATIONS USA/DOT COMPLIANT	FMVSS
ADJUSTABLE HITCH HEIGHT	Yes
COMPLIANCE & CERTIFICATIONS	
FLUID CONTAINMENT	110%
USA DOT COMPLIANT	Yes
CSA LISTED	Yes
TRANSPORT CANADA COMPLIANT	Yes
DIESEL ENGINE EPA TIER LEVEL	Tier 4 Final

All specifications are subject to change without prior notice. Visit [anacorp.com](http://anacorp.com) for the most current information.

## SMARTLOAD™ LOAD BANK SYSTEM

- U.S. PATENT PENDING -



SmartLoad™ System



Parallelling Control Panel

### OPTIONAL ACCESSORIES

- SmartLoad™ System
- Paralleling Feature
- Dual Row Cam-Loks™ (See Front)
- 4-Position Selector Switch
- Lockable Battery Disconnect
- Fuel Filter Heater
- Engine Coolant Heater
- Engine Block Heater
- Battery Charger
- Battery Blanket



SOLD AND SERVICED BY

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