

# AIRMAN®

MOBILE GENERATORS



## SDG45

**45  
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 Stop Button
- 5 - Delta Demand Excitation™
- 6 - QuieTech™ Sound Attenuation
- 7 - Lockable Voltage Selector

### MAINTENANCE //

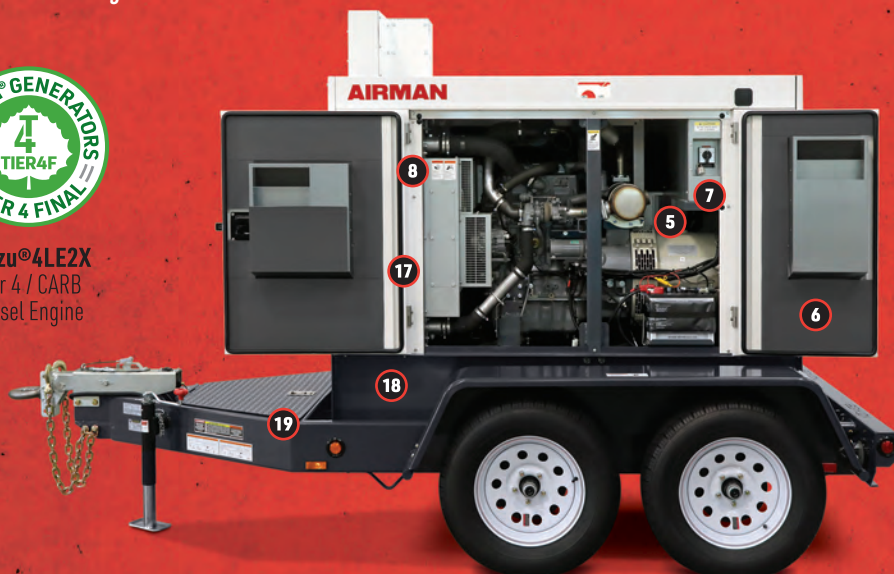
- 8 - Lift-off Door Hinges
- 9 - Ext. Fuel Tank Connections
- 10 - 110% Fluid Containment
- 11 - Service Extensions
- 12 - Fuel & Containment Drains
- 13 - Removable Trailer Fenders

### CONSTRUCTION //

- 14 - Powder-coated Steel Enclosure
- 15 - Stainless Steel Hardware
- 16 - Lockable Access Doors
- 17 - Automotive Door Seals
- 18 - 80.5 Gallon Fuel Tank
- 19 - Heavy-Duty Steel Trailer with Lockable Storage



**Isuzu®4LE2X**  
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 Single Row Cam-Loks™ Shown



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



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

**BEST-IN-CLASS dBA RATING // 24-HOUR RUNTIME // EXCELLENT MOTOR STARTING**  
**THE INDUSTRY'S HIGHEST-QUALITY MOBILE GENERATORS**



# GENERATOR MODEL SDG45S-8E2



GENERATOR SPECIFICATIONS	
ALTERNATOR TYPE	<b>SDG45S-8E2</b> <b>AIRMAN</b> WYE Winding
STANDBY OUTPUT	
THREE-PHASE AT 240V 3CD-4 WIRE	48.5 kVA / 38.8 kW
SINGLE-PHASE AT 240V 1CD-3 WIRE	28 kVA / 28 kW
PRIME OUTPUT	
THREE-PHASE AT 240V 3CD-4 WIRE	45 kVA / 36 kW
SINGLE-PHASE AT 240V 1CD-3 WIRE	26 kVA / 26 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	108A x 2
SINGLE-PHASE (240V) - ZIG ZAG	108A
THREE-PHASE (208V)	119A
THREE-PHASE (240V)	108A
THREE-PHASE (480V)	54A
ENGINE MAKE & MODEL	
ENGINE CONTROL PANEL	<b>ISUZU® 4LE2X</b> DSE® 7310 MKII
EPA TIER 4 / CARB EMISSION CERTIFIED	Tier 4 Final, Model Year 2023 EPA & CARB Certification
TYPE OF AFTERTREATMENT	Diesel Oxidation Catalyst (DOC)
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	65.7 BHP / 49 kW
HORSEPOWER RATING (@1800 RPM)	57.7 HP / 43 kW
NUMBER OF CYLINDERS	4
DISPLACEMENT	133 cu in
ENGINE SPEED	1800 RPM
GOVERNOR TYPE	Electronic
FUEL TYPE	Ultra-low sulfur diesel
DEF CAPACITY	N/A
DEF CONSUMPTION (MAXIMUM)	N/A
DEF RUNTIME @ FULL LOAD	N/A
FUEL TANK CAPACITY	80.5 gal
FUEL CONSUMPTION	
FULL LOAD	2.8 gal/hr
75% LOAD	2.1 gal/hr
50% LOAD	1.5 gal/hr
RUNTIME @ FULL LOAD	28.75 hrs
FUEL PUMP (w/INTEGRAL FILTER)	Self-priming Electric Fuel Pump
FUEL FILTER TYPE / QUANTITY	Combination, Water Separator Fuel Filter x 1
LUBRICATING OIL CAPACITY	3.1 gal
BATTERY	
SYSTEM VOLTAGE	12V
BATTERY CHARGER ALTERNATOR	35 A
QUANTITY	1
COLD CRANKING AMPS	490 CCA
AMP HOURS	70 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)	57 dBA / 61 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	74.8" x 38.2" x 61.4"
DRY WEIGHT	2,954 lbs
OPERATING WEIGHT	3,337 lbs
TRAILER WEIGHT	1,182 lbs
OPERATING WEIGHT w/TRAILER (GVWR)	4,519 lbs
TRAILER WEIGHTS & DIMENSIONS	
LENGTH	144"
WIDTH	70"
HEIGHT W/GENERATOR INSTALLED	73"
WEIGHT	1,182 lbs
WHEEL SIZE-TIRE RATING	ST205/75R15 Load Limit C-1820 lbs @ 50 psi
NUMBER OF AXLES / RATING	2 Axles / 3,700 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



Lock. Battery Disconnect

### ACCESSORIES & OPTIONS

- SmartLoad™ System
- Lockable Battery Disconnect
- Single Row Cam-Loks™ (See Front)
- 4-Position Selector Switch
- Engine Block Heater
- Fuel Filter Heater
- Engine Coolant Heater
- Battery Charger
- Battery Blanket
- 600V
- CSA Certification
- 5-Yr./10,000-Hr. Ext. Warranty



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