

**45  
kVA**

**PRIME  
POWER**



**PERFORMANCE //**

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

**MAINTENANCE //**

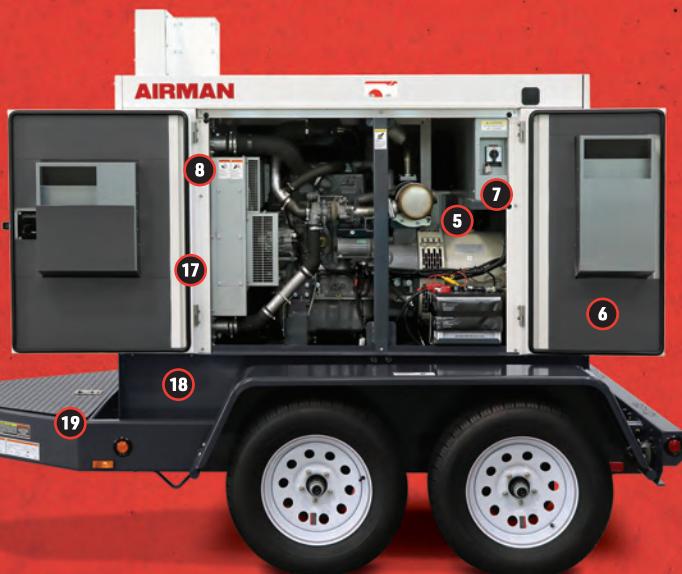
- 8 - Lift-off Door Hinges
- 9 - Ext. Fuel Tank Connections
- 10 - 110% Fluid Containment
- 11 - Service Extensions
- 12 - Fuel & Containment Drains
- 13 - Removable Trailer Fenders

**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



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

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

# GENERATOR MODEL **SDG45S-8E2**



<b>GENERATOR SPECIFICATIONS</b>		<b>SDG45S-8E2</b>
ALTERNATOR TYPE	<b>AIRMAN</b> WYE Winding	
<b>STANDBY OUTPUT</b>		
THREE-PHASE AT 240V 3CD-4 WIRE	48.5 kVA / 38.8 kW	
SINGLE-PHASE AT 240V 1CD-3 WIRE	28 kVA / 28 kW	
<b>PRIME OUTPUT</b>		
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	
<b>AMPERAGE</b>		
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	
<b>ENGINE MAKE &amp; MODEL</b>		<b>ISUZU® 4LE2X</b>
ENGINE CONTROL PANEL	DSE® 7310 MKII	
EPA TIER 4 / CARB	Tier 4 Final, Model Year 2023	
EMISSION CERTIFIED	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	

<b>ENGINE MAKE &amp; MODEL</b> (Continued)		<b>ISUZU® 4LE2X</b>
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
<b>FUEL CONSUMPTION</b>		
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
LUBRICATING OIL CAPACITY		Fuel Filter x 1
<b>BATTERY</b>		
SYSTEM VOLTAGE		12V
BATTERY CHARGER ALTERNATOR		35 A
QUANTITY		1
COLD CRANKING AMPS		490 CCA
AMP HOURS		70 Ah
<b>COOLING SYSTEM</b>		
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

<b>ENCLOSURE</b>	
<b>PAINT TYPE</b>	Positively Charged Ion (E-coat) Electrodeposition Coating, Baking Finish Coating for Weatherproof, and Anti-corrosion and Salt Pollution
<b>ENCLOSURE METAL / CONSTRUCTION</b>	Steel
<b>GAUGE STEEL</b>	16 Gauge
<b>DOOR HINGES</b>	Stainless Steel
<b>SERVICE ACCESS POINTS HARDWARE</b>	Stainless Steel
<b>SPILL CONTAINMENT</b>	110%
<b>WEIGHTS &amp; DIMENSIONS</b>	
<b>LENGTH x WIDTH x HEIGHT</b>	74.8" x 38.2" x 61.4"
<b>DRY WEIGHT</b>	2,954 lbs
<b>OPERATING WEIGHT</b>	3,337 lbs
<b>TRAILER WEIGHT</b>	1,182 lbs
<b>OPERATING WEIGHT w/ TRAILER (GVWR)</b>	4,519 lbs
<b>TRAILER WEIGHTS &amp; DIMENSIONS</b>	
<b>LENGTH</b>	144"
<b>WIDTH</b>	70"
<b>HEIGHT w/GENERATOR INSTALLED</b>	73"
<b>WEIGHT</b>	1,182 lbs
<b>WHEEL SIZE-TIRE RATING</b>	
ST205/75R15	
Load Limit C-1820 lbs @ 50 psi	
<b>NUMBER OF AXLES / RATING</b>	2 Axles / 3,700 lbs each
<b>Braking Type</b>	Surge or Electric
<b>Lighting Type</b>	LED
<b>Certifications USA/DOT Compliant</b>	FMVSS
<b>Adjustable Hitch Height</b>	Yes
<b>COMPLIANCE &amp; CERTIFICATIONS</b>	
<b>Fluid Containment</b>	110%
<b>USA DOT Compliant</b>	Yes
<b>CSA Listed</b>	Yes
<b>Transport Canada Compliant</b>	Yes
<b>Diesel Engine EPA Tier Level</b>	Tier 4 Final

All specifications are subject to change without prior notice. Visit [anacorn.com](http://anacorn.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



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