

**220  
kVA** PRIME  
POWER



**SMARTLOAD™**  
LOAD BANK SYSTEM

**PERFORMANCE //**

- 1 - DSE® Digital Control Panel
- 2 - Curbside Electrical Panel
- 3 - Large Electrical Lugs
- 4 - Emergency Stop Button
- 5 - Prime Power Alternator
- 6 - Quietech™ Sound Attenuation
- 7 - Fast Change Voltage Link Board

**MAINTENANCE //**

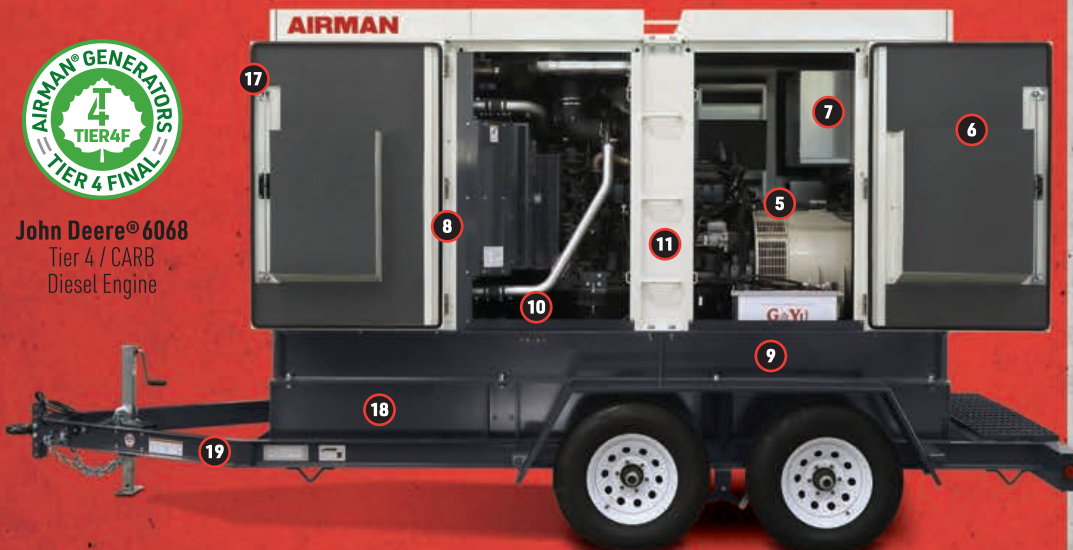
- 8 - Lift-off Door Hinges
- 9 - 110% Fluid Containment
- 10 - Ext. Fuel Tank Connections
- 11 - Built-in Service Ladder
- 12 - Service Extensions
- 13 - Front DEF Access Door

**CONSTRUCTION //**

- 14 - Powder-coated Steel Enclosure
- 15 - Stainless Steel Hardware
- 16 - Lockable Access Doors
- 17 - Automotive Door Seals
- 18 - 285 Gallon Fuel Tank
- 19 - Heavy-Duty Steel Trailer



John Deere® 6068  
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



3 | Large Electrical Output Lugs  
3Φ Output - 480V & 240V or 208V



10 | 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 SDG220S-8E1

# RUN WITH AIRMAN®

GENERATOR SPECIFICATIONS	SDG220S-8E1
ALTERNATOR TYPE	STAMFORD®
<b>STANDBY OUTPUT</b>	
THREE-PHASE AT 240V 3Ø-4 WIRE	242 kVA / 194 kW
SINGLE-PHASE AT 240V 1Ø-3 WIRE	/
<b>PRIME OUTPUT</b>	
THREE-PHASE AT 240V 3Ø-4 WIRE	220 kVA / 176 kW
SINGLE-PHASE AT 240V 1Ø-3 WIRE	/
FREQUENCY	60 Hz
VOLTAGE (THREE-PHASE), LINK BOARD	208/220/240/416/440/480
VOLTAGE (SINGLE-PHASE), LINK BOARD	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)	/
INSULATION	Class F
VOLTAGE REGULATION	±0.5%
FREQUENCY REGULATION, STEADY STATE	±0.25% of Overall Mean Value
<b>AMPERAGE</b>	
SINGLE-PHASE (120V)	20A x 2 Receptacle
SINGLE-PHASE (240V)	50A x 3 Receptacle
THREE-PHASE (208V)	608A
THREE-PHASE (240V)	529A
THREE-PHASE (480V)	264A
<b>ENGINE MAKE &amp; MODEL</b>	<b>JOHN DEERE® 6068</b>
ENGINE CONTROL PANEL	DSE® 7310 MKII
EPA TIER 4 / CARB EMISSION CERTIFIED 2021	CARB Exec. Order U-R-004-0604 EPA Cert. No. MJDXLD6.8312-014
TYPE OF AFTERTREATMENT	DEF, DOC, SCR, ASC
ENGINE TYPE	Electronic Direct Injection 4-Cycle Liquid Cooled Diesel
ASPIRATION	Turbocharged w/ Turbo After Cooler

ENGINE MAKE & MODEL (Continued)	JOHN DEERE® 6068
SAE GROSS HP / BHP@1800 RPM	323 BHP / 240.8 kW
HORSEPOWER RATING (@1800 RPM)	295 HP / 220 kW
NUMBER OF CYLINDERS	6
DISPLACEMENT	415 cu in
ENGINE SPEED	1800 RPM
GOVERNOR TYPE	Electronic
FUEL TYPE	Ultra-low sulfur diesel
DEF CAPACITY	11.7 gal
DEF CONSUMPTION (MAXIMUM)	5.7 gal Per Tank of Diesel
DEF RUNTIME @ FULL LOAD	46 hrs
FUEL TANK CAPACITY	285 gal
<b>FUEL CONSUMPTION</b>	
FULL LOAD	12.1 gal/hr
75% LOAD	9.5 gal/hr
50% LOAD	6.8 gal/hr
RUNTIME @ FULL LOAD	23.5 hrs
FUEL PUMP (w/SERVICEABLE STRAINER)	Self-priming Electric Fuel Pump
FUEL FILTER TYPE / QUANTITY	Pre-filter/Sediment x 1 Fuel Filter x 1
LUBRICATING OIL CAPACITY	8.7 gal
<b>BATTERY</b>	
SYSTEM VOLTAGE	12V
BATTERY CHARGER ALTERNATOR	90 A
QUANTITY	12V x 1
COLD CRANKING AMPS	925 CCA
AMP HOURS	150 Ah
<b>COOLING SYSTEM</b>	
COOLING SYSTEM TYPE	Liquid/Air Fin and Tube Radiator 50/50 Mix
COOLANT CAPACITY	7.1 gal
WATER PUMP TYPE	Impeller
FAN TYPE	Blower Fan, Viscous Clutch
NOISE LEVEL @ 23 FEET (NO/FULL LOAD)	63 dBA / 69 dBA

ENCLOSURE	
	Positively Charged Ion (E-coat) Electrodeposition Coating, Baking Finish Coating for Weatherproof, and Anti-corrosion and Salt Pollution
PAINT TYPE	
ENCLOSURE METAL / CONSTRUCTION	Steel
GAUGE STEEL	16 Gauge
DOOR HINGES	Stainless Steel
SERVICE ACCESS POINTS HARDWARE	Stainless Steel
SPILL CONTAINMENT	110%
<b>WEIGHTS &amp; DIMENSIONS</b>	
LENGTH x WIDTH x HEIGHT	137.8" x 51.2" x 87.4"
DRY WEIGHT	7,452 lbs
OPERATING WEIGHT	9,656 lbs
TRAILER WEIGHT	1,365 lbs
OPERATING WEIGHT w/ TRAILER (GVWR)	11,021 lbs
<b>TRAILER WEIGHTS &amp; DIMENSIONS</b>	
LENGTH	211"
WIDTH	83.3"
HEIGHT W/GENERATOR INSTALLED	102.4"
WEIGHT	1,365 lbs
WHEEL SIZE-TIRE RATING	ST225/75R15 Load Limit E, 2830 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
<b>COMPLIANCE &amp; CERTIFICATIONS</b>	
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 -



Paralleling Control Panel



Battery Charger

### ACCESSORIES & OPTIONS

- ◀ SmartLoad™ System
- ◀ Paralleling Feature
- ◀ Battery Charger
- ◀ Dual Row Cam-Loks™ (See Front)
- ◀ Lockable Battery Disconnect
- ◀ Fuel Filter Heater
- ◀ Engine Coolant Heater
- ◀ Engine Block Heater
- ◀ Battery Blanket
- ◀ 600V
- ◀ CSA Certification
- ◀ 5-Yr./7,000-Hr. Ext. Warranty



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