## AIRMAN.

**MOBILE GENERATORS** 



### **SDG65**

**65** kVA

PRIME POWER



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 3Ф 277/480V & 139/240V-120/208V 1Ф 120/240V



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



#### 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
- 9 110% Fluid Containment
- 10 Ext. Fuel Tank Connections
- 11 Fuel & Containment Drains
- 12 Service Extensions
- 40 0 11 1 1055

#### 13 - Dedicated DEF Access Door

#### CONSTRUCTION //

- 14 Powder-coated Steel Enclosure
- 15 Stainless Steel Hardware
- 16 Lockable Access Doors
- 17 Automotive Door Seals
- 18 111 Gallon Fuel Tank
- 19 Heavy-Duty Steel Trailer with Lockable Storage



# SDG65S-8E1



GENERATOR SPECIFICATIONS	SDG65S-8E1
ALTERNATOR TYPE	AIRMAN. WYE Winding
STANDBY OUTPUT	
THREE-PHASE AT 240V 3CD-4 WIRE	69.3 kVA / 55.4 kW
SINGLE-PHASE AT 240V 1CD-3 WIRE	40.2 kVA / 40.2 kW
PRIME OUTPUT	
THREE-PHASE AT 240V 3CD-4 WIRE	63 kVA / 50.4 kW
SINGLE-PHASE AT 240V 1CD-3 WIRE	36.5 kVA / 36.5 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)	152A x 2
SINGLE-PHASE (240V)	152A
THREE-PHASE (208V)	167A
THREE-PHASE (240V)	152A
THREE-PHASE (480V)	76A
ENGINE MAKE & MODEL	ISUZU® 4JJ1X
ENGINE CONTROL PANEL	DSE® 7310 MK <b>II</b>
EPA TIER 4 / CARB Emission Certified 2021	CARB Exec. Order U-R-006-0497 EPA Cert. No. MSZXL03.0RXB-008
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)	ISUZU® 4JJ1X
SAE GROSS HP / BHP@1800 RPM	95.2 BHP / 71 kW
HORSEPOWER RATING (@1800 RPM)	86.5 HP / 64.5 kW
NUMBER OF CYLINDERS	4
DISPLACEMENT	183 cu in
ENGINE SPEED	1800 RPM
GOVERNOR TYPE	Electronic
FUEL TYPE	Ultra-low sulfer diesel
DEF CAPACITY	7.4 gal
DEF CONSUMPTION (MAXIMUM)	2.22 gal Per Tank of Diesel
DEF RUNTIME @ FULL LOAD	95 hrs
FUEL TANK CAPACITY	111 gal
FUEL CONSUMPTION	
FULL LOAD	3.9 gal/hr
75% LOAD	3.1 gal/hr
50% LOAD	2.3 gal/hr
RUNT <b>i</b> me @ Full load	28.5 hrs
FUEL PUMP (w/INTEGRAL FILTER)	Self-priming Electric Fuel Pump
	Pre-filter x 1
FUEL FILTER TYPE / QUANTITY	Secondary Filter x 1
LUBRICATING OIL CAPACITY	4.1 gal
BATTERY	
SYSTEM VOLTAGE	12V
BATTERY CHARGER ALTERNATOR	110 A
QUANTITY	1
COLD CRANKING AMPS	565 CCA
AMP HOURS	80 Ah
COOLING SYSTEM	
	Liquid/Air Fin and
COOLING SYSTEM TYPE	Tube Radiator, 50/50 Mix
COOLANT CAPACITY	3.4 gal
WATER PUMP TYPE	Impeller
FAN TYPE	Belt-driven Pusher
NOISE LEVEL @ 23 FEET (NO/FULL LOAD)	59 dBA / 65 dBA

PAINT TYPE  PAINT TYPE  ENCLOSURE METAL / CONSTRUCTION GAUGE STEEL DOOR HINGES SERVICE ACCESS POINTS HARDWARE SPILL CONTAINMENT WEIGHTS & DIMENSIONS LENGTH X WIDTH X HEIGHT DRY WEIGHT OPERATING WEIGHT TRAILER WEIGHT TRAILER WEIGHT WITHAULER (GVWR) TRAILER WEIGHTS & DIMENSIONS LENGTH WIDTH X HEIGHT OPERATING WEIGHT HEIGHT WIDTH HEIGHT HEIGHT WIDTH X HEIGHT OPERATING WEIGHT HEIGHT WIDTH HEIGHT HEIGHT WIDTH HEIGHT HEIGHT WIDTH HEIGHT HEIGHT WIDTH HEIGHT HEIGHT WHIGHT ALLER WEIGHT WIDTH HEIGHT HEIGHT WIDTH HEIGHT W/GENERATOR INSTALLED WEIGHT  WHOTH HEIGHT W/GENERATOR INSTALLED W/GT  W/	ENCLOSURE	
ENCLOSURE METAL / CONSTRUCTION GAUGE STEEL DOOR HINGES SERVICE ACCESS POINTS HARDWARE SPILL CONTAINMENT WEIGHTS & DIMENSIONS LENGTH x WIDTH x HEIGHT DRY WEIGHT TRAILER WEIGHT OPERATING WEIGHT TRAILER WEIGHTW/TRAILER (GVWR) WIDTHW/GENERATOR INSTALLED WEIGHTW/GENERATOR INSTALLED WEIGHTFICATIONS USA/DOT COMPLIANT FWYSS FUID CONTAINMENT USA DOT COMPLIANT Yes CSA LISTED TRANSPORT CANADA COMPLIANT Yes	DANIET VOT	Electrodeposition Coating, Baking Finish Coating for Weatherproof, and
GAUGE STEEL  DOOR HINGES  SERVICE ACCESS POINTS HARDWARE  SPILL CONTAINMENT  WEIGHTS & DIMENSIONS  LENGTH x WIDTH x HEIGHT  DRY WEIGHT  OPERATING WEIGHT  TRAILER WEIGHT  WIDTH x HEIGHT  OPERATING WEIGHT  TRAILER WEIGHT  WIDTH  HEIGHT W/GENERATOR INSTALLED  WEIGHT  WHOTH  WHOTH  HEIGHT W/GENERATOR INSTALLED  WEIGHT  WHOTH  TALLER WEIGHT  UNBER OF AXLES / RATING  BRAKING TYPE  LIGHTING TYPE  LIGHTING TYPE  LIGHTING TYPE  COMPLIANT  COMPLIANCE & CERTIFICATIONS  FLUID CONTAINMENT  USA DOT COMPLIANT  Ves  TRANSPORT CANADA COMPLIANT  Yes  TRANSPORT CANADA COMPLIANT  Yes  TRANSPORT CANADA COMPLIANT  Yes  TRANSPORT CANADA COMPLIANT  Yes		
DOOR HINGES SERVICE ACCESS POINTS HARDWARE SPILL CONTAINMENT WEIGHTS & DIMENSIONS LENGTH x WIDTH x HEIGHT DRY WEIGHT OPERATING WEIGHT TRAILER WEIGHT WIDTH x HEIGHT OPERATING WEIGHT TRAILER WEIGHT WIDTH HEIGHT W/GENERATOR INSTALLED WEIGHT WHOTH HEIGHT W/GENERATOR INSTALLED WEIGHT WHOTH TAVE WEIGHT  WHOTH HEIGHT W/GENERATOR INSTALLED WEIGHT  WHOTH TAVE WEIGHT  WHEEL SIZE-TIRE RATING NUMBER OF AXLES / RATING BRAKING TYPE LIGHTING TYPE LIGHTING TYPE LIGHTING TYPE LIGHTING TYPE CERTIFICATIONS USA/DOT COMPLIANT ADJUSTABLE HITCH HEIGHT COMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT USA DOT COMPLIANT Ves  CSA LISTED TRANSPORT CANADA COMPLIANT Yes  TRANSPORT CANADA COMPLIANT Yes		
SERVICE ACCESS POINTS HARDWARE SPILL CONTAINMENT  WEIGHTS & DIMENSIONS  LENGTH x WIDTH x HEIGHT  OPERATING WEIGHT  OPERATING WEIGHT  TRAILER WEIGHT  OPERATING WEIGHT  TRAILER WEIGHT  OPERATING WEIGHT  TRAILER WEIGHT  OPERATING WEIGHT # 1,225 lbs  OPERATING WEIGHT # 7,44 lbs  TRAILER WEIGHTS & DIMENSIONS  LENGTH  HEIGHT W/GENERATOR INSTALLED  WEIGHT  WHOTH  HEIGHT W/GENERATOR INSTALLED  WHEEL SIZE-TIRE RATING  NUMBER OF AXLES / RATING  BRAKING TYPE  LIGHTING TYPE  LIGHTING TYPE  LIGHTING TYPE  LIGHTING TYPE  LOCATIFICATIONS USA/DOT COMPLIANT  ADJUSTABLE HITCH HEIGHT  COMPLIANCE & CERTIFICATIONS  FLUID CONTAINMENT  USA DOT COMPLIANT  Ves  CSA LISTED  Yes  TRANSPORT CANADA COMPLIANT  Yes		
SPILL CONTAINMENT  WEIGHTS & DIMENSIONS  LENGTH x WIDTH x HEIGHT  DRY WEIGHT  OPERATING WEIGHT  TRAILER WEIGHT  OPERATING WEIGHT  TRAILER WEIGHT  OPERATING WEIGHT  TRAILER WEIGHT   OPERATING WEIGHT W/TRAILER (GVWR)  TRAILER WEIGHTS & DIMENSIONS  LENGTH  WIDTH  HEIGHT W/GENERATOR INSTALLED  WEIGHT  WHEIGHT W/GENERATOR INSTALLED  WHEIGHT W/GENERATOR INSTALLED  WHEIGHT SALES / RATING  BRAKING TYPE  LIGHTING TYPE  LIGHTING TYPE  LIGHTING TYPE  LIGHTING TYPE  CERTIFICATIONS USA/DOT COMPLIANT  TOMPLIANCE & CERTIFICATIONS  FLUID CONTAINMENT  USA DOT COMPLIANT  Ves  TRANSPORT CANADA COMPLIANT  Yes  TRANSPORT CANADA COMPLIANT  Yes		
WEIGHTS & DIMENSIONS  LENGTH x WIDTH x HEIGHT DRY WEIGHT  OPERATING WEIGHT TRAILER WEIGHT  OPERATING WEIGHT  TRAILER WEIGHT  OPERATING WEIGHT WITRAILER (GVWR) TRAILER WEIGHT WITRAILER (GVWR)  TRAILER WEIGHT WITRAILER (GVWR)  TRAILER WEIGHT WITRAILER (GVWR)  TRAILER WEIGHT WITRAILER (GVWR)  WIDTH  HEIGHT WIGENERATOR INSTALLED  WEIGHT  WHEIGHT WIGENERATOR INSTALLED  WHEIGHT WIGENERATOR INSTALLED  WHEIGHT WIGENERATOR INSTALLED  WHEIGHT WIGENERATING  BRAKING TYPE  LIGHTING TYPE  LIGHTING TYPE  LIGHTING TYPE  LIGHTING TYPE  LED  CERTIFICATIONS USA/DOT COMPLIANT  ADJUSTABLE HITCH HEIGHT  VES  COMPLIANCE & CERTIFICATIONS  FLUID CONTAINMENT  USA DOT COMPLIANT  Ves  CSA LISTED  TRANSPORT CANADA COMPLIANT  Yes		
LENGTH x WIDTH x HEIGHT		110%
DRY WEIGHT         3,307 lbs           OPERATING WEIGHT         4,189 lbs           TRAILER WEIGHT         1,225 lbs           OPERATING WEIGHT W/TRAILER (GVWR)         5,414 lbs           TRAILER WEIGHTS & DIMENSIONS         160"           LENGTH         74"           WIDTH         74"           HEIGHT W/GENERATOR INSTALLED         84.25"           WEIGHT         1,225 lbs           ST205/75R15         Load Limit C-1820 lbs @ 50 psi           NUMBER OF AXLES / RATING         2 Axles / 3,700 lbs each           BRAKING TYPE         LED           LIGHTING TYPE         LED           CERTIFICATIONS USA/DOT COMPLIANT         FMVSS           ADJUSTABLE HITCH HEIGHT         Yes           COMPLIANCE & CERTIFICATIONS         TUD           FLUID CONTAINMENT         110%           USA DOT COMPLIANT         Yes           CSA LISTED         Yes           TRANSPORT CANADA COMPLIANT         Yes		
OPERATING WEIGHT TRAILER WEIGHT TRAILER WEIGHT OPERATING WEIGHT W/TRAILER (GVWR) TRAILER WEIGHTS & DIMENSIONS LENGTH WIDTH HEIGHT W/GENERATOR INSTALLED WEIGHT  WHEEL SIZE-TIRE RATING NUMBER OF AXLES / RATING BRAKING TYPE LIGHTING TYPE CERTIFICATIONS USA/DOT COMPLIANT ADJUSTABLE HITCH HEIGHT COMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT USA DOT COMPLIANT CSA LISTED TRANSPORT CANADA COMPLIANT Yes  TRANSPORT CANADA COMPLIANT Yes		
TRAILER WEIGHT   1,225 lbs     OPERATING WEIGHT W/TRAILER (GVWR)   5,414 lbs     TRAILER WEIGHTS & DIMENSIONS     LENGTH   160"   74"     HEIGHT W/GENERATOR INSTALLED   84.25"     WEIGHT   1,225 lbs     WHEEL SIZE-TIRE RATING   1,225 lbs     WHEEL SIZE-TIRE RATING   2 Axles / 3,700 lbs each     BRAKING TYPE   LED     LIGHTING TYPE   LED     CERTIFICATIONS USA/DOT COMPLIANT   74"     ADJUSTABLE HITCH HEIGHT   74"     COMPLIANCE & CERTIFICATIONS     FLUID CONTAINMENT   110%     USA DOT COMPLIANT   76s     CSA LISTED   76s     TRANSPORT CANADA COMPLIANT   76s		
OPERATING WEIGHT W/TRAILER (GVWR)  TRAILER WEIGHTS & DIMENSIONS  LENGTH WIDTH HEIGHT W/GENERATOR INSTALLED WEIGHT  WHEEL SIZE-TIRE RATING NUMBER OF AXLES / RATING BRAKING TYPE LIGHTING TYPE LIGHTING TYPE CERTIFICATIONS USA/DOT COMPLIANT ADJUSTABLE HITCH HEIGHT COMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT USA DOT COMPLIANT CSA LISTED TRANSPORT CANADA COMPLIANT Yes  7,414 lbs 5,414 lbs 5,414 lbs 5,414 lbs 5,214 lbs  S1205/75R15 Load Limit C-1820 lbs @ 50 psi 2 Axles / 3,700 lbs each Surge or Electric LED FMVSS FMVSS FUID CONTAINMENT Yes  CSA LISTED TRANSPORT CANADA COMPLIANT Yes		
TRAILER WEIGHTS & DIMENSIONS  LENGTH WIDTH HEIGHT W/GENERATOR INSTALLED WEIGHT  WHEEL SIZE-TIRE RATING NUMBER OF AXLES / RATING BRAKING TYPE LIGHTING TYPE LIGHTING TYPE CERTIFICATIONS USA/DOT COMPLIANT ADJUSTABLE HITCH HEIGHT COMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT USA DOT COMPLIANT CSA LISTED TRANSPORT CANADA COMPLIANT Yes  TRANSPORT CANADA COMPLIANT Yes		1,225 lbs
LENGTH WIDTH 74" HEIGHT W/GENERATOR INSTALLED WEIGHT  WHEEL SIZE-TIRE RATING NUMBER OF AXLES / RATING BRAKING TYPE LIGHTING TYPE LIGHTING TYPE CERTIFICATIONS USA/DOT COMPLIANT ADJUSTABLE HITCH HEIGHT COMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT USA DOT COMPLIANT CSA LISTED TRANSPORT CANADA COMPLIANT Yes  160" 74" S1205/75R15 Load Limit C-1820 Us @ 50 psi S1205/75		5,414 lbs
WIDTH 74" HEIGHT W/GENERATOR INSTALLED 84.25" WEIGHT 1,225 lbs  WHEEL SIZE-TIRE RATING 1,225 lbs  NUMBER OF AXLES / RATING 2 Axles / 3,700 lbs each BRAKING TYPE Surge or Electric LIGHTING TYPE LED CERTIFICATIONS USA/DOT COMPLIANT 7 Yes  FLUID CONTAINMENT 110% USA DOT COMPLIANT Yes  CSA LISTED Yes TRANSPORT CANADA COMPLIANT Yes	TRAILER WEIGHTS & DIMENSIONS	
HEIGHT W/GENERATOR INSTALLED WEIGHT  WHEEL SIZE-TIRE RATING NUMBER OF AXLES / RATING BRAKING TYPE LIGHTING TYPE LIGHTING TYPE LIGHTING TYPE CERTIFICATIONS USA/DOT COMPLIANT ADJUSTABLE HITCH HEIGHT COMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT USA DOT COMPLIANT Ves CSA LISTED TRANSPORT CANADA COMPLIANT Yes	LENGTH	
WEIGHT 1,225 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 ADJUSTABLE HITCH HEIGHT Yes  COMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT 110% USA DOT COMPLIANT Yes  CSA LISTED Yes  TRANSPORT CANADA COMPLIANT Yes	WIDTH	74"
WHEEL SIZE-TIRE RATING NUMBER OF AXLES / RATING BRAKING TYPE LIGHTING TYPE LICHTING TYPE CERTIFICATIONS USA/DOT COMPLIANT ADJUSTABLE HITCH HEIGHT COMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT USA DOT COMPLIANT USA DOT COMPLIANT Ves CSA LISTED TRANSPORT CANADA COMPLIANT Yes	HEIGHT W/GENERATOR INSTALLED	84.25"
WHEEL SIZE-TIRE RATING  NUMBER OF AXLES / RATING  BRAKING TYPE  LIGHTING TYPE  LIGHTING TYPE  CERTIFICATIONS USA/DOT COMPLIANT  ADJUSTABLE HITCH HEIGHT  COMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT  USA DOT COMPLIANT  USA DOT COMPLIANT  CSA LISTED  TRANSPORT CANADA COMPLIANT  Ves  Lod Limit C-1820 los @ 50 psi  Surge or Electric  LED  LED  FMVSS  ADJUSTABLE HITCH HEIGHT  Yes  TOMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT  USA DOT COMPLIANT  Yes  TRANSPORT CANADA COMPLIANT  Yes	WEIGHT	1,225 lbs
BRAKING TYPE  LIGHTING TYPE  CERTIFICATIONS USA/DOT COMPLIANT  ADJUSTABLE HITCH HEIGHT  COMPLIANCE & CERTIFICATIONS  FLUID CONTAINMENT  USA DOT COMPLIANT  CSA LISTED  TRANSPORT CANADA COMPLIANT  Yes	WHEEL SIZE-TIRE RATING	
LIGHTING TYPE  CERTIFICATIONS USA/DOT COMPLIANT ADJUSTABLE HITCH HEIGHT  COMPLIANCE & CERTIFICATIONS  FLUID CONTAINMENT USA DOT COMPLIANT CSA LISTED TRANSPORT CANADA COMPLIANT Yes	NUMBER OF AXLES / RATING	2 Axles / 3,700 lbs each
CERTIFICATIONS USA/DOT COMPLIANT ADJUSTABLE HITCH HEIGHT  COMPLIANCE & CERTIFICATIONS FLUID CONTAINMENT USA DOT COMPLIANT CSA LISTED TRANSPORT CANADA COMPLIANT Yes  TRANSPORT CANADA COMPLIANT Yes	BRAKING TYPE	Surge or Electric
ADJUSTABLE HITCH HEIGHT  COMPLIANCE & CERTIFICATIONS  FLUID CONTAINMENT  USA DOT COMPLIANT  CSA LISTED  TRANSPORT CANADA COMPLIANT  Yes	LIGHTING TYPE	LED
COMPLIANCE & CERTIFICATIONS           FLUID CONTAINMENT         110%           USA DOT COMPLIANT         Yes           CSA LISTED         Yes           TRANSPORT CANADA COMPLIANT         Yes	CERTIFICATIONS USA/DOT COMPLIANT	FMVSS
FLUID CONTAINMENT         110%           USA DOT COMPLIANT         Yes           CSA LISTED         Yes           TRANSPORT CANADA COMPLIANT         Yes	ADJUSTABLE HITCH HEIGHT	Yes
USA DOT COMPLIANT Yes CSA LISTED Yes TRANSPORT CANADA COMPLIANT Yes	COMPLIANCE & CERTIFICATIONS	
CSA LISTED Yes Transport canada compliant yes	FLUID CONTAINMENT	110%
TRANSPORT CANADA COMPLIANT Yes	USA DOT COMPLIANT	Yes
	CSA LISTED	Yes
DIESEL ENGINE EPA TIER LEVEL Tier 4 Final	TRANSPORT CANADA COMPLIANT	Yes
	DIESEL ENGINE EPA TIER LEVEL	Tier 4 Final

All specifications are subject to change without prior notice. Visit anacorp.com for the most current information.

## SM/NRTLOAD"

#### LOAD BANK SYSTEM

- U.S. PATENT PENDING -



SmartLoad™ System



**Engine Block Heater** 

#### **ACCESSORIES & OPTIONS**

- SmartLoad™ System
- Engine Block Heater
   Single Row Cam-Loks™ (See Front)
   4-Position Selector Switch
   Lockable Battery Disconnect
   Fuel Filter Heater
   Engine Coolant Heater
   Battery Charger
   Battery Blanket
   600V
- CSA Certification5-Yr./10,000-Hr. Ext. Warranty







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