AIRMAN

MOBILE GENERATORS



ANA®
www.discount-equipment.com

SDG40

36 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 3Φ 277/480V & 139/240V-120/208V 1Φ 120/240V



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

49HP TARMAN SDG40 ARMAN SDG40 ANA TO TO THE SDG 40 TO THE

Shown equipped with optional

SMINTLOAD

LOAD BANK SYSTEM

PERFORMANCE //

1 - DSE® Digital Control Panel

(12)

(10)

- 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

13

- 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 84.5 Gallon Fuel Tank
- 19 Heavy-Duty Steel Trailer with Lockable Storage



SDG40S-8E1



GENERATOR SPECIFICATIONS ALTERNATOR TYPE STANDBY OUTPUT THREE-PHASE AT 240V 3CD-4 WIRE SINGLE-PHASE AT 240V 1CD-3 WIRE PRIME OUTPUT THREE-PHASE AT 240V 1CD-3 WIRE SINGLE-PHASE AT 240V 1CD-3 WIRE FREQUENCY VOLTAGE (THREE-PHASE), SWITCHABLE VOLTAGE (SINGLE-PHASE), SWITCHABLE ARMATURE CONNECTION EXCITATION NUMBER OF POLES POWER FACTOR (THREE-PHASE) INSULATION VOLTAGE REGULATION FREQUENCY VOLTAGE REGULATION FREQUENCY Star with Neutral / Zig Zag Brushless with AVR Class F O.8 POWER FACTOR (SINGLE-PHASE) INSULATION FREQUENCY REGULATION, STEADY STATE AMPERAGE SINGLE-PHASE (120V) - ZIG ZAG SINGLE-PHASE (240V) - ZIG ZAG THREE-PHASE (240V) THREE-PHASE (24		
STANDBY OUTPUT THREE-PHASE AT 240V 3CD-4 WIRE SINGLE-PHASE AT 240V 1CD-3 WIRE PRIME OUTPUT THREE-PHASE AT 240V 3CD-4 WIRE SINGLE-PHASE AT 240V 1CD-3 WIRE SINGLE-PHASE AT 240V 1CD-3 WIRE FREQUENCY VOLTAGE (THREE-PHASE), SWITCHABLE VOLTAGE (SINGLE-PHASE), SWITCHABLE ARMATURE CONNECTION EXCITATION STAR WITH Neutral / Zig Zag Brushless with AVR NUMBER OF POLES POWER FACTOR (THREE-PHASE) INSULATION VOLTAGE REGULATION FREQUENCY REGULATION, STEADY STATE AMPERAGE SINGLE-PHASE (120V) - ZIG ZAG SINGLE-PHASE (240V) - ZIG ZAG THREE-PHASE (240V) THREE	GENERATOR SPECIFICATIONS	SDG40S -8E1
THREE-PHASE AT 240V 3CD-4 WIRE SINGLE-PHASE AT 240V 1CD-3 WIRE PRIME OUTPUT THREE-PHASE AT 240V 1CD-3 WIRE SINGLE-PHASE AT 240V 1CD-3 WIRE FREQUENCY VOLTAGE (THREE-PHASE), SWITCHABLE VOLTAGE (SINGLE-PHASE), SWITCHABLE ARMATURE CONNECTION EXCITATION NUMBER OF POLES POWER FACTOR (THREE-PHASE) INSULATION FREQUENCY THORE-PHASE) INSULATION FREQUENCY REGULATION, STEADY STATE AMPERAGE SINGLE-PHASE (120V) - ZIG ZAG SINGLE-PHASE (208V) THREE-PHASE (208V) THREE-PHASE (240V) ENGINE MAKE & MODEL ENGINE CONTROL PANEL ENGINE CONTROL PANEL EPA TIER 4 / CARB EMISSION CERTIFIED TYPE OF AFTERTREATMENT Diesel Oxidation Catalyst (DOC) Direct Injection 4-Cycle Liquid Cooled Diesel	ALTERNATOR TYPE	AIRMAN. WYE Winding
SINGLE-PHASE AT 240V 1CD-3 WIRE PRIME OUTPUT	STANDBY OUTPUT	
THREE-PHASE AT 240V 3CD-4 WIRE 36 kVA / 28.6 kW	THREE-PHASE AT 240V 3CD-4 WIRE	37.8 kVA / 30.2 kW
THREE-PHASE AT 240V 3CD-4 WIRE SINGLE-PHASE AT 240V 1CD-3 WIRE FREQUENCY VOLTAGE (THREE-PHASE), SWITCHABLE VOLTAGE (SINGLE-PHASE), SWITCHABLE ARMATURE CONNECTION EXCITATION NUMBER OF POLES POWER FACTOR (THREE-PHASE) INSULATION VOLTAGE REGULATION FREQUENCY REGULATION, STEADY STATE AMPERAGE SINGLE-PHASE (120V) - ZIG ZAG THREE-PHASE (208V) THREE-PHASE (240V) - ZIG ZAG THREE-PHASE (240V) THREE-PHASE (480V) ENGINE MAKE & MODEL ENGINE CONTROL PANEL EPA TIER 4 / CARB EMISSION CERTIFIED TYPE OF AFTERTREATMENT BORNICA 108 kW 208/220/240/416/440/480 120/127/139/240/254/277 Star with Neutral / Zig Zag Brushless with AVR 120/127/139/240/254/277 Star with Neutral / Zig Zag Brushless with AVR 100/127/139/240/254/277 Star with Neutral / Zig Zag Brushless with AVR 4 4 4 4 4 4 4 4 4 4 40.25% of Overall Mean Value 41.02% of Overall Mean Value 42.25% of Overall Mean Value 43.25% of Overall Mean Value 44.25% of Overall Mean Value 44.25% of Overall Mean Value 44.25% of Overall Mean Value 45.25% of Overall Mean Value 46.25% of Overall Mean Value 47.25% of Overall Mean Value 48.25% of Overall Mean Value 48.25% of Overall Mean Value 49.25% of Overall Mean Value 40.25% of Overall Mean V	SINGLE-PHASE AT 240V 1CD-3 WIRE	28.6 kVA / 28.6 kW
SINGLE-PHASE AT 240V 1CD-3 WIRE FREQUENCY	PRIME OUTPUT	
FREQUENCY	THREE-PHASE AT 240V 3CD-4 WIRE	36 kVA / 28.6 kW
VOLTAGE (TIREE-PHASE), SWITCHABLE 208/220/240/416/1440/480 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 1 THREE-PHASE (240V) - ZIG ZAG 108A 4 THREE-PHASE (240V) - ZIG ZAG 108A 4 THREE-PHASE (240V) - ZIG ZAG 43A 86A THREE-PHASE (480V) 43A ENGINE MAKE & MODEL WIBOTA® V2403 ENGINE CONTROL PANEL DSF310 MKII EPA & CARB Certification TYPE OF AFTERTREATMENT Diesel Oxidation Catalyst (DOC) ENGINE TYPE Direct Injection 4-Cycle	SINGLE-PHASE AT 240V 1CD-3 WIRE	26 kVA / 26 kW
VOLTAGE (SINGLE-PHASE), SWITCHABLE ARMATURE CONNECTION EXCITATION NUMBER OF POLES POWER FACTOR (THREE-PHASE) INSULATION FREQUENCY REGULATION, STEADY STATE AMPERAGE SINGLE-PHASE (120V) - ZIG ZAG SINGLE-PHASE (240V) - ZIG ZAG THREE-PHASE (240V) - ZIG ZAG THREE-PHASE (240V) THREE-PHASE (240V) THREE-PHASE (440V) ENGINE MAKE & MODEL ENGINE CONTROL PANEL EPA TIER 4 / CARB EMISSION CERTIFIED TYPE OF AFTERTREATMENT LO 212 / 12 / 12 / 12 / 12 / 12 / 12 / 12	FREQUENCY	60 Hz
ARMATURE CONNECTION EXCITATION NUMBER OF POLES POWER FACTOR (THREE-PHASE) INSULATION VOLTAGE REGULATION FREQUENCY REGULATION, STEADY STATE AMPERAGE SINGLE-PHASE (120V) - ZIG ZAG SINGLE-PHASE (240V) - ZIG ZAG THREE-PHASE (240V) - ZIG ZAG THREE-PHASE (240V) THREE-PHASE (480V) ENGINE MAKE & MODEL ENGINE MAKE & MODEL EPA TIER 4 / CARB EMISSION CERTIFIED TYPE OF AFTERTREATMENT ENGINE TYPE Brushless with Neutral / Zig Zag Brushless with AVR 4.0.25 % of Overall Mean Value 5.0.25 % of Overall	VOLTAGE (THREE-PHASE), SWITCHABLE	208/220/240/416/440/480
EXCITATION Brushless with AVR	VOLTAGE (SINGLE-PHASE), SWITCHABLE	120/127/139/240/254/277
NUMBER OF POLES	ARMATURE CONNECTION	Star with Neutral / Zig Zag
POWER FACTOR (THREE-PHASE) 0.8		Brushless with AVR
Display	NUMBER OF POLES	4
INSULATION	POWER FACTOR (THREE-PHASE)	
VOLTAGE REGULATION ±0.5% FREQUENCY REGULATION, STEADY STATE ±0.25% of Overall Mean Value AMPERAGE ±0.25% of Overall Mean Value SINGLE-PHASE (120V) - ZIG ZAG 108A x 2 THREE-PHASE (208V) 95A THREE-PHASE (240V) 86A THREE-PHASE (480V) 43A ENGINE MAKE & MODEL KUBOTA® V2403 ENGINE CONTROL PANEL DSE® 7310 MKII EPA TIER 4 / CARB Tier 4 Final, Model Year 2023 EMSISON CERTIFIED Tier 4 Final, Model Year 2023 TYPE OF AFTERTREATMENT Diesel Oxidation Catalyst (DOC) BIT CALL TIPE CONTROL TO THE CONTROL TO THE CARB Certification Direct Injection 4-Cycle Liquid Cooled Diesel Liquid Cooled Diesel	POWER FACTOR (SINGLE-PHASE)	
\$4 \cap \cap \cap \cap \cap \cap \cap \cap	INSULATION	Class F
AMPERAGE SINGLE-PHASE (120V) - ZIG ZAG 108A x 2 108A x 3	VOLTAGE REGULATION	±0.5%
SINGLE-PHASE (120V) - ZIG ZAG		±0.25% of Overall Mean Value
SINGLE-PHASE (240V)- ZIG ZAG		
THREE-PHASE (208V) 95A THREE-PHASE (240V) 86A THREE-PHASE (480V) 43A ENGINE MAKE & MODEL KUBOTA® V2403 ENGINE CONTROL PANEL 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 Direct Injection 4-Cycle Liquid Cooled Diesel	SINGLE-PHASE (120V) - ZIG ZAG	108A x 2
THREE-PHASE (240V) THREE-PHASE (480V) ENGINE MAKE & MODEL ENGINE CONTROL PANEL EPA TIER 4 / CARB EMISSION CERTIFIED TYPE OF AFTERTREATMENT ENGINE CONTROL PANEL DIESE Oxidation Catalyst (DOC) Direct Injection 4-Cycle Liquid Cooled Diesel		108A
THREE-PHASE (480V) ENGINE MAKE & MODEL ENGINE CONTROL PANEL EPA TIER 4 / CARB EMISSION CERTIFIED TYPE OF AFTERTREATMENT ENGINE TYPE ENGINE TYPE ### A CARB Certification Diesel Oxidation Catalyst (DOC) Direct Injection 4-Cycle		95A
ENGINE MAKE & MODEL ENGINE CONTROL PANEL EPA TIER 4 / CARB EMISSION CERTIFIED TYPE OF AFTERTREATMENT ENGINE TYPE ENGINE TYPE KUBOTA® V2403 DIE 4 Final, Model Year 2023 EPA & CARB Certification Diesel Oxidation Catalyst (DOC) Direct Injection 4-Cycle Liquid Cooled Diesel		86A
ENGINE CONTROL PANEL EPA TIER 4 / CARB		
EPA TIER 4 / CARB EMISSION CERTIFIED TYPE OF AFTERTREATMENT ENGINE TYPE ENGINE TYPE Tier 4 Final, Model Year 2023 EPA & CARB Certification Diesel Oxidation Catalyst (DOC) Direct Injection 4-Cycle Liquid Cooled Diesel	ENGINE MAKE & MODEL	KUBOTA® V2403
EMISSION CERTIFIED TYPE OF AFTERTREATMENT ENGINE TYPE ENGINE TYPE ELiquid Cooled Diesel EVA & CARB Certification Diesel Oxidation Catalyst (DOC) Direct Injection 4-Cycle Liquid Cooled Diesel	ENGINE CONTROL PANEL	DSE® 7310 MK II
Direct Injection 4-Cycle ENGINE TYPE Liquid Cooled Diesel		Tier 4 Final, Model Year 2023 EPA & CARB Certification
ENGINE TYPE Liquid Cooled Diesel	TYPE OF AFTERTREATMENT	Diesel Oxidation Catalyst (DOC)
ASPIRATION Turbocharged + Turbo After Cooler	ENGINE TYPE	
	ASPIRATION	Turbocharged + Turbo After Cooler

ENGINE MAKE & MODEL (Continued)	KUBOTA® V2403
SAE GROSS HP / BHP@1800 RPM	48.3 BHP / 36 kW
HORSEPOWER RATING (@1800 RPM)	44.9 HP / 33 kW
NUMBER OF CYLINDERS	4
DISPLACEMENT	148.5 cu in
ENGINE SPEED	1800 RPM
GOVERNOR TYPE	Electronic
FUEL TYPE	Ultra-low sulfer diesel
DEF CAPACITY	N/A
DEF CONSUMPTION (MAXIMUM)	N/A
DEF RUNTIME @ FULL LOAD	N/A
FUEL TANK CAPACITY	84.5 gal
FUEL CONSUMPTION	
FULL LOAD	2.3 gal/hr
75% LOAD	1.7 gal/hr
50% LOAD	1.2 gal/hr
RUNTIME @ FULL LOAD	37 hrs
FUEL PUMP	Self-priming Electric Fuel Pump
	Pre-filter/Separator x 1
FUEL FILTER TYPE / QUANTITY	Fuel Filter x 1
LUBRICATING OIL CAPACITY	2.6 gal
BATTERY	
SYSTEM VOLTAGE	12V
BATTERY CHARGER ALTERNATOR	30 A
QUANTITY	1
COLD CRANKING AMPS	525 CCA
AMP HOURS	75 Ah
COOLING SYSTEM	
	Liquid/Air Fin and
COOLING SYSTEM TYPE	Tube Radiator, 50/50 Mix
COOLANT CAPACITY	2.5 gal
WATER PUMP TYPE	Impeller
FAN TYPE NOISE LEVEL @ 23 FEET (NO/FULL LOAD)	Belt-driven Pusher 57 dBA / 61 dBA

ENCLOSURE	
DI BUTTURE	Positively Charged Ion (E-coat) Electrodeposition Coating, Baking Finish Coating for Weatherproof, and
PAINTTYPE	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"x61.4"
DRY WEIGHT	2,426 lbs
OPERATING WEIGHT	3,065 lbs
TRAILER WEIGHT	1,182 lbs
OPERATING WEIGHT w/TRAILER (GVWR)	4,247 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 for the most current information.

SM/NRTLOAD"

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 Certification5-Yr./10,000-Hr. Ext. Warranty









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