



VPump 40HP
INVERTER

45 kVA PRIME POWER
40HP MOTOR STARTING



INTEGRATED 480V VFD



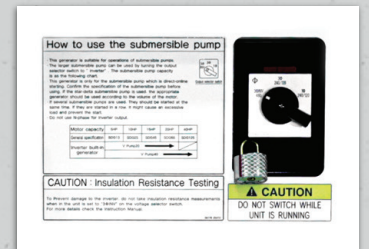
Starts a 40HP motor which would normally require an 80-100kW generator



1 | DSEgenset® Digital Control Panel with VFD/Inverter Controls



2 | Output Panel
120V - 20A x 2 | 240V - 50A x 3 with Terminal Block for VFD Remote Control



3 | Lockable Voltage Selector Switch
3 φ 480V Interter 480V/277V and 120/208-139/240V 1 φ 120/240V



7 | 480V Variable Frequency Drive with Cooling Fans

PERFORMANCE //

- 1 - DSE® Digital Control Panel
- 2 - Curbside Electrical Panel
- 3 - Voltage Selector with 480V Inverter Position
- 4 - Emergency Stop Button
- 5 - Delta Demand Excitation™
- 6 - QuietTech™ Sound Attenuation
- 7 - 480V Variable Frequency Drive

MAINTENANCE //

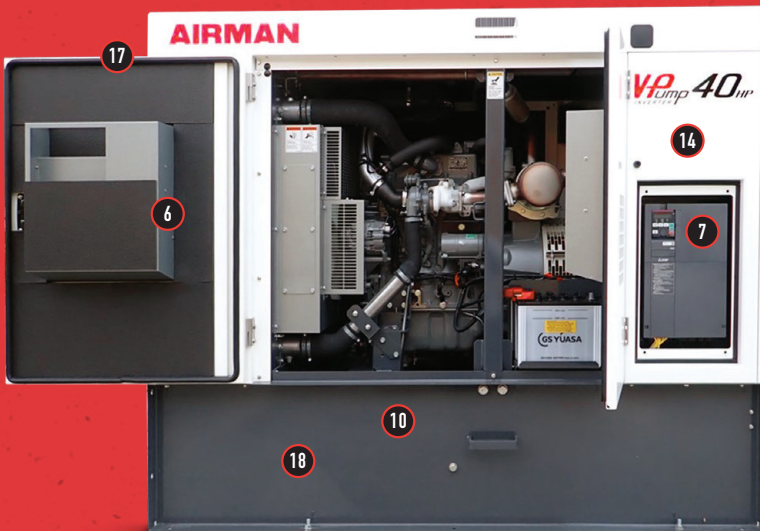
- 8 - Stainless Lift-off Door Hinges
- 9 - Ext. Fuel Tank Connections
- 10 - 110% Fluid Containment
- 11 - Service Extensions
- 12 - Fuel & Containment Drains
- 13 - Removable Trailer Fenders

CONSTRUCTION //

- 14 - Powder-Coated Steel Enclosure
- 15 - Stainless Steel Hardware
- 16 - Lockable Access Doors
- 17 - Automotive Door Seals
- 18 - 80.6 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

GENERATOR MODEL SDG45SV-8E2

AIRMAN® MOBILE GENERATORS



GENERATOR SPECIFICATIONS	SDG45SV-8E2
ALTERNATOR TYPE	AIRMAN WYE Winding
STANDBY OUTPUT	
THREE-PHASE AT 240V 3CD-4 WIRE	49.5 kVA / 39.6 kW
SINGLE-PHASE AT 240V 1CD-3 WIRE	31.1 kVA / 31.1 kW
PRIME OUTPUT	
THREE-PHASE AT 240V 3CD-4 WIRE	45 kVA / 36 kW
SINGLE-PHASE AT 240V 1CD-3 WIRE	28.3 kVA / 28.3 kW
FREQUENCY	60 Hz
VOLTAGE (THREE-PHASE), SWITCHABLE	208/220/240 Switchable
VOLTAGE (SINGLE-PHASE), SWITCHABLE	416/440/480 Switchable
ARMATURE CONNECTION	Star with Neutral/Zig Zag
EXCITATION	Brushless with AVR
NUMBER OF POLES	4
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
VFD/INVERTER MAKE/MODEL	Mitsubishi FR-F800
OUTPUT VOLTAGE	400-480V
ADJUSTABLE FREQUENCY RANGE	30-60Hz
FREQUENCY METER	Yes
REVERSE POWER SWITCH	Yes
ENGINE MAKE & MODEL	ISUZU® 4LE2X
ENGINE CONTROL PANEL	DSE 7310 MKII
EPA TIER 4 CARB/ EMISSION CERTIFIED	Tier 4 Final, Model Year 2024 EPA & CARB Certification
TYPE OF AFTERTREATMENT	Diesel Oxidation Catalyst (DOC)

ENGINE MAKE & MODEL (Continued)	ISUZU® 4LE2X
ENGINE TYPE	Direct Injection 4-Cycle Liquid Cooled Diesel, EGR
ASPIRATION	Turbocharged
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 (ULSD)
FUEL TANK CAPACITY	80.5 gal (305 L)
FUEL CONSUMPTION	
FULL LOAD	2.8 gal/hr (11 L/hr)
75% LOAD	2.1 gal/hr (8.2 L/hr)
50% LOAD	1.5 gal/hr (6 L/hr)
RUNTIME @ FULL LOAD	28.75 hrs
FUEL PUMP	Self-priming Electric Fuel Pump
FUEL FILTER TYPE / QUANTITY	Combination Fuel/Filter Sediment x 1
LUBRICATING OIL CAPACITY	3.1 gal (11.7L)
BATTERY	
SYSTEM VOLTAGE	12V
BATTERY CHARGER ALTERNATOR QUANTITY	35 A 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 (9.5 L)
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	TBD
OPERATING WEIGHT	TBD
TRAILER WEIGHT	TBD
OPERATING WEIGHT w/ TRAILER	TBD
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	Hydraulic or Electric
LIGHTING TYPE	LED
CERTIFICATIONS USA/DOT COMPLAINT	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

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

SMARTLOAD™ LOAD BANK SYSTEM



Single Row Cam-Loks™

Fuel Filter Heater

ACCESSORIES & OPTIONS

- ◀ SmartLoad™ System
- ◀ Single Row Cam Loks™
- ◀ Fuel Filter Heater
- Battery Blanket
- Lockable Battery Disconnect
- Engine Coolant Heater
- Engine Block Heater
- Battery Charger
- 600V
- 🇨🇦 CSA Certification
- 5-Yr./10,000-Hr. Ext. Warranty



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