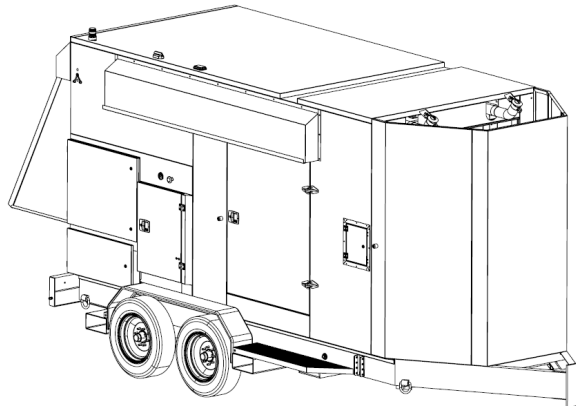




## Genset Information

| Voltage                                     |           | 480 V            | 240 V     | 208 V     |
|---------------------------------------------|-----------|------------------|-----------|-----------|
| Frequency                                   |           | 60 Hz            |           |           |
| Prime Power Rating NG <sup>1</sup>          | kWe (kVA) | 250 (312)        | 250 (312) | 250 (312) |
| Prime Power Rating LP <sup>1</sup>          | kWe (kVA) | 225 (281)        | 225 (281) | 225 (281) |
| Fuel Consumption @ Rated Power <sup>2</sup> |           |                  |           |           |
| NG Heat Rate @ 100%                         |           | 2,946,215 BTU/hr |           |           |
| NG Heat Rate @ 75%                          |           | 2,307,793 BTU/hr |           |           |
| NG Heat Rate @ 50%                          |           | 1,690,465 BTU/hr |           |           |
| LP Heat Rate @ 100%                         |           | 2,842,099 BTU/hr |           |           |
| LP Heat Rate @ 75%                          |           | 2,177,910 BTU/hr |           |           |
| LP Heat Rate @ 50%                          |           | 1,579,534 BTU/hr |           |           |

| Control System                |                                                    |
|-------------------------------|----------------------------------------------------|
| Controller Type               | Deep Sea Electronics 8610MKII Genset Controller    |
| Remote Start/Stop             | Remote Start Capable Through Dry Contact or Modbus |
| Synchronizing & Load Sharing  | Automatic w/sync check (ANSI 25)                   |
| Telemetry & Remote Monitoring | Dual mode 4G and SAT-COM Remote Monitoring         |
| Voltage Regulator             | Analogue, MX341                                    |

## Engine Information

| Engine Manufacturer                           | Power Solutions International / Doosan                                 |
|-----------------------------------------------|------------------------------------------------------------------------|
| Engine Model                                  | 14.6L                                                                  |
| Combustion                                    | Rich Burn                                                              |
| Displacement in3 (L)                          | 891 (14.6)                                                             |
| Cylinder Arrangement                          | V-type 4 cycle                                                         |
| Number of valves                              | 16                                                                     |
| Aspiration Mode                               | Turbo Charge Air Cooled                                                |
| Compression Ratio                             | 10.5 :1                                                                |
| Bore in (mm)                                  | 5 (127)                                                                |
| Direction of Rotation                         | Counter Clockwise at Flywheel                                          |
| Combustion Air Required (60Hz)                | 474 cfm                                                                |
| Engine Speed (60Hz)                           | 1,800 RPM                                                              |
| Engine Controller Type                        | EControls 4G ECM                                                       |
| Engine Prime Power Rating hp (kW)<br>NG, 60Hz | 389 (290)                                                              |
| Engine Prime Power Rating hp (kW)<br>LP, 60Hz | 268 (200)                                                              |
| Oil System                                    |                                                                        |
| Lube Oil Specifications                       | SAE 15W-40 Low Ash Gas engine oil (.25-.5% by wt), API CD/CF or higher |
| Engine Oil Capacity gal (L)                   | 8.23 (31)                                                              |
| Daytank Oil Capacity gal (L)                  | 26 (98)                                                                |
| Total Oil Capacity gal (L)                    | 34.23 (130)                                                            |

| Cooling System                     |                  |                                                                                                   |
|------------------------------------|------------------|---------------------------------------------------------------------------------------------------|
| Coolant Operating Temperature      | °F (°C)          | 159.8 (71)                                                                                        |
| Engine Coolant Capacity            | gal (L)          | 9.5 (36)                                                                                          |
| Radiator Coolant Capacity          | gal (L)          | 22.1 (84)                                                                                         |
| Total Coolant Capacity             | gal (L)          | 30.6 (116)                                                                                        |
| Coolant Flow Rate (60Hz)           | gpm (L/min)      | 139 (526)                                                                                         |
| Coolant Heat Rejection Rate (60Hz) | BTU/min (kJ/min) | 13,783 (14,542)                                                                                   |
| Cooling Fan Air Flow (60Hz)        | cfm (m3/min)     | 29,970 (849)                                                                                      |
| Max Fan Speed (60Hz)               |                  | 1440 RPM                                                                                          |
| Max Fan Power (60Hz)               | hp (kW)          | 22 (16)                                                                                           |
| Exhaust System                     |                  |                                                                                                   |
| Exhaust Stack-Single/Dual          |                  | Dual                                                                                              |
| Exhaust Stack Diameter             | in (cm)          | 3.5 (9)                                                                                           |
| Exhaust Gas Temperature, Max       | °F (°C)          | 993 (534)                                                                                         |
| Exhaust Heat Rejection Rate, 60Hz  |                  | 1529 BTU/min                                                                                      |
| Exhaust Gas Mass Flow, 60Hz        | lb/hr (kg/hr)    | 2429 (1,102)                                                                                      |
| Maximum Backpressure               |                  | 40.82 inWC                                                                                        |
| Emissions Control                  |                  |                                                                                                   |
| AFR Controller                     |                  | Yes, w/No Customer Interface                                                                      |
| NSCR Catalyst                      |                  | Yes                                                                                               |
| Emissions Certification            |                  | EPA Certification                                                                                 |
| Fuel System                        |                  |                                                                                                   |
| Fuel Type(s)                       |                  | Natural Gas, Propane (HD5)                                                                        |
| Fuel Quality Limits                |                  | 750 - 2,500 BTU                                                                                   |
| Fuel Water Content                 |                  | Saturated fuel or is acceptable. Water condensation in the fuel lines or engine is not acceptable |
| Fuel Supply Connection(s)          |                  | 2" NPT Female for NG, #6 SAE male for LP                                                          |
| Min Fuel Supply Pressure           | psi (kPA)        | 6 (41)                                                                                            |
| Max Fuel Supply Pressure           | psi (kPA)        | 250 (1,724)                                                                                       |
| Natural Gas                        | inWC (kPA)       | 9 (2)                                                                                             |
| Liquid Propane                     | inWC (kPA)       | 12 (3)                                                                                            |

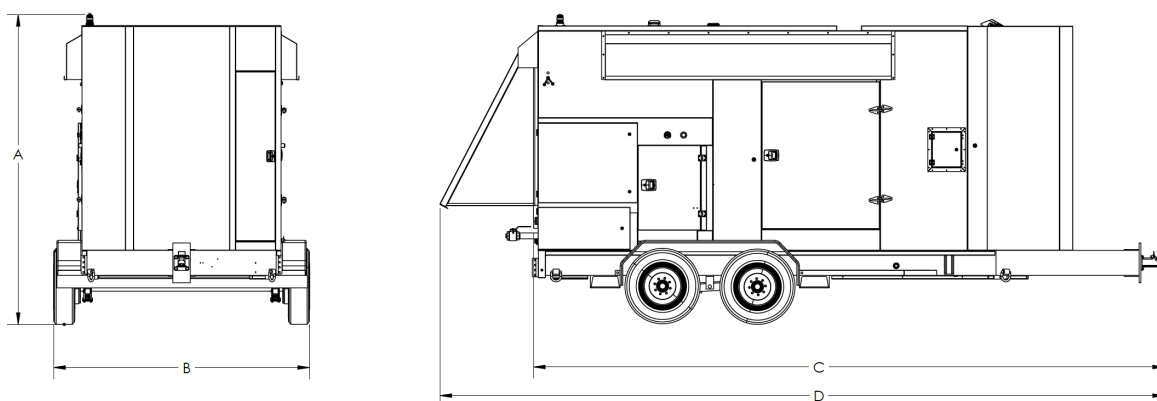
## Alternator Information

| Alternator Manufacturer          | Stamford                           |
|----------------------------------|------------------------------------|
| Alternator Model                 | S4L1D-D41 Wdg.311                  |
| Alternator Phase                 | 3 -phase                           |
| Insulation Class                 | H                                  |
| Stator Winding                   | Double Layer Lap                   |
| Temp. Rise / Ambient             | 125/40                             |
| Alternator Style                 | Single Bearing, Weatherproof, IP23 |
| Excitation Type                  | Separately Excited (P.M.G)         |
| Coupling System                  | Close Coupled, Flex Plate          |
| Overspeed Capability             | 2250 RPM                           |
| PF at rated kW                   | 0.8 pf                             |
| Alternator Real Power Rating     | 312 kW <sub>e</sub>                |
| Alternator Apparent Power Rating | 390 kVA                            |

## Termination Information

| Camlock           |              |             |              |
|-------------------|--------------|-------------|--------------|
|                   | L1/L2/L3     | N           | G            |
| Ampacity          | 400 A        | 400 A       | 400 A        |
| Quantity          | 3            | 3           | 3            |
| Polarity          | Female       |             |              |
| Mechanical Lug    |              |             |              |
|                   | L1/L2/L3     | N           | G            |
| Connections       | 4            | 4           | 4            |
| Conductor Range   | 2AWG-600 MCM | 2AWG-600MCM | 2AWG-600 MCM |
| Tightening Torque | in-lb (Nm)   | 375 (42)    |              |

## Dimensions & Weights



| Dim "A"   | Dim "B"   | Dim "C"   | Dim "D"   | Dry Weight        | Wet Weight        |
|-----------|-----------|-----------|-----------|-------------------|-------------------|
| in (cm)   | in (cm)   | in (cm)   | in (cm)   | lb (kg)           | lb (kg)           |
| 124 (315) | 103 (262) | 260 (660) | 291 (739) | 14,747<br>(6,688) | 15,289<br>(6,934) |

<sup>1</sup> a. Turbocharged: Tested per ISO 8528-6 2005 at an elevation of 5118 ft (1560 m) and ambient temperature of 95°F (35°C). No derate for elevation or temperature up to tested conditions.

<sup>1</sup> b. Non-Turbocharged: Tested per ISO 8528-6 2005 at an elevation of 5118 ft (1560 m) and ambient temperature of 95°F (43.4°C). Ratings adjusted to ISO reference conditions.

<sup>2</sup> FUEL SPECIFICATION: Gas properties for fuel consumption data: NG: Density = 0.737 kg/m<sup>3</sup>, HHV = 1041 Btu/scf (39 MJ/m<sup>3</sup>); Propane: Density = 1.845 kg/m<sup>3</sup>, HHV = 2538 Btu/scf (95 MJ/m<sup>3</sup>); LPG (60-40): Density = 2.060 kg/m<sup>3</sup>, HHV = 2817 Btu/scf (105 MJ/m<sup>3</sup>)