

# SP-11



## 1.1L Perkins Powered Generator— Diesel

### SP Series 11kW



EPA Emissions Compliant

### Standard Features

- Perkins Diesel Engine Model 403D-11G
- AC, Single Bearing direct coupled Alternator with Class 'H' insulation, Sized for 130°C Temperature Rise
- Control Panel with Auto-Start -Stop Deep Sea DSE4510 MKII
- Engine and Alternator mounted to steel base on vibration isolators
- Radiator sized for 120°F ambient clearance
- Thermostatically controlled Jacket Water Heater
- High Coolant Temp., Low Oil pressure safety shutdowns
- Dry Type Air Cleaner
- 12-VDC Starter, Engine mounted Battery Charging Alternator, Battery Cables and Rack along with Grounding Strap
- Battery Charger—6 Amp
- Complete set owner/operator, engine, alternator and accessory manuals



Sample unit shown w/o exhaust silencer

### Generator Ratings—1800 RPM Diesel

| Voltage | Ph | Hz | Standby Output kW (kVA) | Prime Output kW (kVA) | Standby Max Amp Output | Wires |
|---------|----|----|-------------------------|-----------------------|------------------------|-------|
| 120/240 | 1  | 60 | 10 (10)                 | 9 (9)                 | 38                     | 12    |
| 120/208 | 3  | 60 | 10 (12)                 | 9 (11)                | 31                     | 12    |
| 120/240 | 3  | 60 | 10 (12)                 | 9 (11)                | 26                     | 12    |
| 277/480 | 3  | 60 | 10 (12)                 | 9 (11)                | 13                     | 12    |

### Optional Equipment

#### Deluxe Enclosure—Features

- Weather Protective Enclosure constructed of 0.125" marine grade aluminum
- Sound attenuating insulation
- Weather proof and wind resistant up to 150mph
- Powder coat finished exterior and interior (standard grey)
- Removable, hinged doors (pictured) with keyed alike locks
- Interior mounted, residential grade exhaust silencer
- Battery Charger—6 Amp
- 120V Receptacle for battery charger and / or coolant heater
- Vertical radiator and exhaust discharge
- Oil & coolant drain lines with brass ball valves



Sample Deluxe model shown

#### Deluxe Enclosure—Options

- Custom color options
- Exterior mounted Emergency stop button with clear cover
- Exterior accessible GFCI outlet (s) with weather protective cover

#### Additional Gen-set Options

- Mainline circuit breaker (s)
- Permanent Magnet Generators (PMG) with Voltage Regulator upgrade
- Low coolant level switch
- Starting batteries
- 120V Receptacle for battery charger and / or coolant heater
- Sub-base fuel tank
- "Stand-Alone" fuel tank (s)
- Transfer switches
- UL 2200 Certification (Ask your representative for availability)

\*Stand by ratings are applicable for the duration of any power outage. No overload is available at these ratings. Prime ratings are continuous per BS 5514, DIN 6271, ISO3046 & IEC 34-1. Overload capacity on prime-power ratings is 10% for one hour in each twelve hours of operation. All single phase ratings are based on a 1.0 power factor, three (3) phase ratings based on a 0.8 power factor. Ratings are established based on 85°F ( 29°C ) and an elevation of 1,000 feet ( 305 meters ). Please consult your Stateline representative for information concerning derates for temperature, altitude & humidity.

Manufactured by:

Stateline Power Corp • 650 Pine Street • Greenville, OH 45331 • 800-524-8344 www.statelinepower.com

# SP-11 Technical Data



## Engine Specifications

### Model: Perkins Diesel Engine 403D-11G

Indirect injected, Vertical In-line 4 cycle, 3 Cylinder  
 Naturally Aspirated, Dry type Air Cleaner  
 Max. Power.....11.4 kWm (15.3 bhp) @ 1800 RPM  
 Cubic Capacity......69 in<sup>3</sup> / 1.13L  
 Bore & Stroke.....3.00" x 3.32" (77mm x 81mm)  
 Compression Ratio.....23.0:1  
 Governor type.....Mechanical  
 Frequency Regulation.....Isochronous, Steady-State ± 0.5%  
 Oil capacity Total system.....5.2 Qts. (4.9 liters)  
 Coolant capacity w/ Radiator.....1.4 Gal. (5.2 liters)

### Installation Data

Exhaust System:  
 Recommended Outlet size.....2" (50.8mm)

### Filtration:

Oil Filter.....Spin-on type  
 Air Filter.....Dry element type

### Fuel Consumption:

| Load Percentage (%) | 50  | 75  | 100 |
|---------------------|-----|-----|-----|
| US Gal. / h         | .45 | .61 | .79 |

Fuel Type.....BS2869: Part 2 1998 A2 or ASTM D975 D2  
 Fuel Supply Line inlet.....3/8" NPT  
 Pressure......80 in. H<sub>2</sub>O

### General:

12V Starter, 65 Amps Alternator DC output Electric System  
 Recommended Battery.....12V, 875 CCA  
 Recommended Oil.....SAE 5W-30 for 0°F and above

## Alternator Specifications

| Type      | Pole  | Voltage Regulation                         | Class Insulation       | Rated Temp. Standby       | Coupling                            | Load Acceptance             |
|-----------|---|--|------------------------|---------------------------|-------------------------------------|-----------------------------|
| Brushless | 4 Pole Rotating Field   | +/- 1%, Volts/Hz, Electronic, EMI filtered | 'H' to NEMA MG-1 -1.66 | 130°C Rise / 40°C Ambient | SAE Adapter, Flexible Disc, Direct. | One Step, 100% per NFPA 110 |
| Features  | Self ventilated drip-proof construction. Superior voltage waveform achieved by a 2/3 pitch and skewed rotor. Vacuum-impregnated windings with fungus-resistant epoxy for dependability and long-life. Compliance with NEMA, IEEE and ANSI standards for temp. rise. Sustained short-circuit capability enabling down-line circuit breakers to trip without collapsing the generator field. No load to full-load regulation of +/- 2%. |  |                        |                           |                                     |                             |

## Control Panel Specifications

### DSE4510 MKII

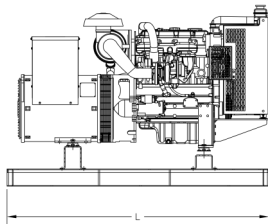
- Manual and Automatic start/stop modes
- LED indication lights
- Engine monitoring and protection features
- Front panel mounting and programming
- Remote start capabilities
- Configurable inputs/outputs, timers, and exercising schedule

### Operational features

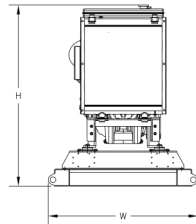
- Alternator Protection: under/over voltage, under/over frequency and Over Load.
- Engine Protection: Low oil pressure, High coolant temperature, Over speed & over crank, Battery Charger Failure
- All protections are programmable as Alarms or Pre-alarms
- Operating Power: Nominal 8-35V

- Fuel and start outputs (configurable on CAN)
- Heated display option available
- Fully configurable via DSE Configuration Suite PC Software

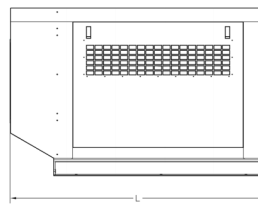
## Dimensions & Weight



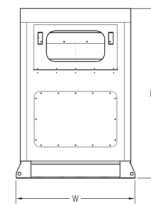
**Open:** (inches) 62L x32W x48H



Weight (lbs.) 1065



**Deluxe:** (inches) 75L x32W x49H



Weight (lbs.) 1325