

# SJ-250

# Power When You Need It!

# STATELINE POWER



Powered by:



Sample Unit w/t Deluxe Enclosure

### Generator Ratings @ 1800 RPM

Voltage	Ph	Hz	Standby Output kW (kVA)	Prime Output kW (kVA)	Standby Max Amp Output	Number of Wires
120/240	1	60	250 (250)	225 (225)	1042	12
120/208	3	60	250 (313)	225 (281)	867	12
120/240	3	60	250 (313)	225 (281)	752	12
277/480	3	60	250 (313)	225 (281)	376	12

### Standard Generator Set Features

- John Deere Diesel Engine Model 6090HF485
- AC, Single bearing direct coupled alternator with class 'H' insulation, sized for 130°C temperature rise.
- Engine and alternator mounted on vibration isolators.
- Radiator sized for 120°F ambient temperature.
- 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.
- Microprocessor based control panel w/ metering, alarms, shut down, under / over frequency & voltage protection.



### Optional Equipment

- Weather protective enclosure constructed of marine grade aluminum 0.125 thickness, SS hardware white powder coat paint finish on both sides. Sound insulation resistant to high temperatures, fuel and oil. Hinged, removable, keyed alike doors. Residential rated interior mounted exhaust silencer. Vertical radiator and exhaust discharge oil & coolant drain lines with brass check valves
- Mainline circuit breaker.
- Digital or analog control panels.
- Automatic transfer switch
- Automatic battery chargers 6 or 10 amps
- Thermostat controlled jacket water heater
- Low coolant level switch
- Single wall tanks
- Double Wall UL 142 fuel tanks
- Water separator fuel filter
- Space heater
- Permanent Magnet Generator (PMG) with voltage regulator upgrade
- Generator drip covers
- 17 Light remote Annunciator panel
- 120V Receptacle for battery charger and / or coolant heater.
- D.O.T triple axle trailer with brakes, camlocks, toolbox and spare tire.
- Enviro - friendly custom color options
- UL 2200 available on most models.

\*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 62711, 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 de-rates for temperature, altitude & humidity.

**For more specifications on particular components contact:**

**Stateline Power Corp • 650 Pine Street • Greenville, OH 45331 • 800-524-8344 [www.statelinepower.com](http://www.statelinepower.com)**

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## Engine Specifications

**Model: John Deere Diesel Engine 6090HF485**  
 Maximum power: 385 bhp / 287 kWm @ 1800 rpm  
 Cubic capacity : 549 in<sup>3</sup> / 9 L  
 Bore & stroke: 4.66" x 5.35" ( 118.4mm x 136mm )  
 Turbocharged air to air, 6 cylinder vertical in-line, 4 stroke direct injection  
 Governor type - Electronic ECU L14 controller  
 Frequency regulation: Isochronous, steady-state  
**Fluids:** Oil capacity total system - 42.3 quarts ( 40.1 liters )  
 Coolant capacity w/ radiator - 9.5 gallon ( 36 liters )

**Fuel Consumption: US gallon / hr @ 1800 rpm**  
 50% load - 9.5  
 75% load - 14.1  
 100% load - 19.7  
**General:**  
 Oil filter - Spin-on type  
 Air filter- Dry element type  
 Electrical system: 12VDC starter, 90 amp alternator  
 Minimum recommended battery size: 12 Volt 1100 CCA  
**Fuel type: BS 2869:** Part 2 1998 Class A2 or ASTM D975 D2

## Alternator Specifications

**Marathon Electric:** Brushless, 4 pole rotating field,  
 Voltage regulation: + / - 1%, Volts/Hertz, electronic, EMI filtered  
 Class insulation: 'H' to NEMA MG-1-1.66  
 rated temperature standby: 130 C° rise / 40 C° ambient  
 Coupling: SAE 1/14 adapter, flexible disc, direct.  
 Load acceptance: 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 temperature 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

**DGC2020 (51ANBSNH)**  
**refer to Basler style chart for options...**  
 Microprocessor based navigation key with large LCD display. Event recording transfer switch control (main failures) SAE J1939 CANBUS communication multilingual capability suitable for rental application. Remote communication capability (optional)

**Operational features**

- Alternator protection: under / over voltage, under / over frequency.
- Engine protection: Low oil pressure, high coolant temperature, over speed & over crank, sender unit failure, fuel leak / fuel sender failure, battery charger failure.
- All protections are programmable as alarms or pre-alarms
- Operating power: Nominal 12-24 VDC

consumption 14.2W run mode

- Metering (ample range): Volts, current, Hz, watts, VA, Pf. Oil pressure, coolant temperature, rpm, DC volts, fuel level, engine running time.
- Engine control with programmable timers
- External remote start input (on or off load)
- 16 programmable contact inputs.
- 7 Contact outputs

**One complete set Owners / Operators, Engine, Alternator and Accessory manuals**

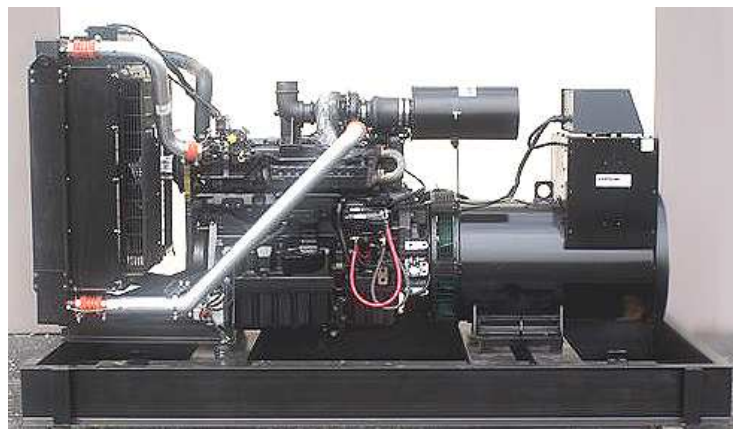
## Dimensional and Mounting Specifications

**inches: 157 L x 57 W x 77 H w/ Deluxe Enclosure Only Less Fuel Tank**  
**Estimated Dry Weight lb: 8130 Without Fuel Tank**

*Note:* The above dimensions and weights would change if a sub-base fuel tank was added. An electrical stub area is positioned at the rear of the sub-base fuel tanks.

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Specifications are subject to change without notice



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