



### Technical specification

Model	Voltage	HZ	PF (COS $\phi$ )	Prime Power	Standby Power
4B3.9-G2-24kW	120/240V	60	1	24KW	27KW

#### Prime power

This rating is for the supply of continuous electrical power (at variable load). There is no limit on the annual hours of operation and 10% overload power can be supplied for 1 hour in 12.

#### Standby power

This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

#### General features:

- Every generator set is subjected to a comprehensive test program which includes 50% load, 75% load, 100% load, 110% load and the checking and proving of all control and safety shut-down functions;
- 24V DC start motor;
- Equipped 24V high performance maintenance-free lead-acid starting batteries and connecting with cables;
- Equipped with industrial silencer and flexible exhaust hose;
- Designed to Comply with ISO8528/GB2820;
- Powered by Cummins engine, Stamford alternator and DeepSea control panel

**Cummins engine technical data**


Engine Model	4B3.9-G2
Number of Cylinders	4 cylinders in line
Cycle	4 stroke
Aspiration	Naturally
Bore×Stroke	102mm x120mm
Displacement	3.9L
Compression ratio	16.5:1
Prime Power/Speed	30kw /1800rpm
Standby Power/Speed	33kw /1800rpm
Speed Governor	Electronic
Cooling System	Forced water cooling cycle
Steady speed droop	≤1%
Total lubrication system capacity	11L
Coolant capacity (engine only)	7.2L
Fuel Consumption at 100% Load	229g/kw.h (at 1800 rpm)
Starter Motor	DC24V
Alternator	DC24V

**Stamford alternator technical data**

Alternator Model	PI144E
Rated power	25KW
Frequency/speed	60HZ/1800rpm
Exciter type	Single bearing, Brushless, Self-excited
Power factor	1
Voltage adjust range	≥5%
Voltage regulation NL-FL	≤±1%
Insulation Grade	H
Protection Grade	IP23
Phase	2 Phases 4 Wires

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## DeepSea control panel data

Model	DSE6120
<p><b>The control module gives digital readouts of:</b></p> <p>Generator voltage; Output frequency; Engine speed; Battery voltage; Engine hours run.</p> <p><b>The control module has indicators for failure information:</b></p> <p>Overspeed/underspeed, Emergency stop Low oil pressure; High water temperature Failure to start Battery charger failure</p> <p><b>Automatic shutdown occurs under:</b></p> <p>Low engine oil pressure; High engine water temperature; Overspeed/underspeed; Failure to start after three attempts.</p>	

## Standard accessories

Standard Accessories	Open type	Silent type
Sound-proof & Weather-proof Canopy	N/A	√
Daily base fuel tank. 8 hours capacity	N/A	√
Single-bearing generator again drops	√	√
Intelligent LED display control panel	√	√
Speed governor	√	√
Electric start and 24v charger	√	√
Standard air filter, oil filter, fuel filter	√	√
Cooling water tank	√	√
High-efficient silencer.	√	√
Exhaust elbow	√	√
Storage battery	√	√
Steel base-frame against vibration	√	√
Soft pipe for fuel and handle for lube going-out	√	√
Operation& Maintenance manual.	√	√