

Standard Features

MODEL	GB-C90
Standby Power(50Hz)	80KW/100KVA
Prime Power(50Hz)	72KW/90KVA
Engine	Cummins 6BT5.9-G1
Alternator	STAMFORD UCI274C

- **Engine(DCEC Cummins 6BT5.9 –G1)**
- Radiator 40°C max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORD UCI274C),**
- single bearing alternator, Protection Class IP23, insulation class H/H
- Dry Type air filter, fuel filter, oil filter, pre-filter, absorber
- Main line circuit breaker
- Standard control panel
- Two 12V batteries, rack and cable
- Ripple flex exhaust pipe, Exhaust siphon, flange, muffler
- Operation manual



Generator Set Ratings

Voltage	Frequency	Phase	P.F (COS ϕ)	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
440/254	50	3	0.8	131	80/100	72/90
415/240	50	3	0.8	139	80/100	72/90
400/230	50	3	0.8	144	80/100	72/90
380/220	50	3	0.8	152	80/100	72/90

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97 (equiv ISO8528); A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation. **Standby Power Rating (ESP):** The standby power rating is applicable for supplying emergency

Dimension Of Generator Set	
Dimension(L*W*H)/CM For Open Type	223×83×150 CM
Net Weight/KG For Open Type	1450 KG
Dimension(L*W*H)/CM For Sound Proof Type	276×112×173 CM
Net Weight/KG For Sound Proof Type	1900 KG
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	

Specification Of Engine		
Engine	Engine Model	6BT5.9–G1
	Manufacturer	DCEC Cummins
	Prime Power	86KW/115HP
	Standby Power	92KW/123HP
	Engine Configuration	6 Cylinder In Line, 4Stroke,Direct Injection
	Gas Feeding Model	Turbo Charged
	Bore×Stroke	102×120 (MM)
	Displacement	5.9L
	Rated Speed	1500RPM
	Speed Governor	Mechanical Speed Control System
	Starter Model	24V DC Start
	Fuel Consumption Standby Power (110% load)	22.5L/H
	Fuel Consumption Prime Power (100% load)	20.5L/H
	Oil Consumption	≤4G/KWH
	Cooling System	Water Cool
	Compression Ratio	17.5:1
	Max Back Pressure	10KPA
	Intake Flow L/S	148M³/MIN
	Exhaust Temperature	504 °C

Specification Of Alternator		
Alternator	Alternator Model	UCI274C
	Manufacturer	STAMFORD company
	Prime Output	80KW/100KVA
	Standby Output	88KW/110KVA
	Excitation Model	Brushless, Self-Exciting
	Cooling Method	Air Cooling
	Connection Type	3 Phase and 12 Wires "Star" Connection
	Power Factor	0.8
	Protection Class	IP23
	Insulation Class	H
	Altitude	$\leq 1000\text{m}$
	Voltage Regulation, Steady State	$\leq \pm 1\%$
	Telephone Influence Factor	< 50
	Sudden Voltage Warp (100% Sudden Reduce)	$\leq \pm 1\%$
	Sudden Voltage Warp (Sudden Increase)	$\leq \pm 25\%$
	Voltage Stable Time (100% Sudden Reduce)	$\leq 6\text{S}$
	Voltage Stable Time (Sudden Increase)	$\leq 6\text{S}$
	Frequency Reduce	0-5% adjustable
	Frequency Regulation, Stead State	$\leq 1.5\%$
	Frequency Waving	$\leq 0.8\%$
	Sudden Frequency Warp (100% Sudden Reduce)	$\leq +12\%$
	Sudden Frequency Warp (100% Sudden Increase)	$\leq -10\%$
	Frequency Recovery Time (100% Sudden Reduce)	$\leq 5\text{S}$
	Frequency Recovery Time (Sudden Increase)	$\leq 5\text{S}$
Compliance Standards	GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359	

Control Panel System



DEEPSEA501K CONTROL MODEL/ MANUAL USE

With Four Protection

- 1.High water Temperature Shutdown
2. Low Oil Pressure Shutdown
3. Over Speed Shutdown
4. Over Crank Shutdown
5. Protection as Emergent Stop

Parameters of Operation:

1. Emergency Stop Button
- 2.Voltmeter and Selector Switch
3. Ammeter and Selector Switch
4. Frequency Meter
5. Hour Running Meter
- 6.Alart Buzzer



DEEPSEA6020 CONTROL MODEL/ MANUAL OR ATS USE

With Four Protection

- 1.High water Temperature Shutdown
2. Low Oil Pressure Shutdown
3. Over Speed Shutdown
4. Over Crank Shutdown
5. Protection as Emergent Stop

Parameters of Operation:

Digital type, all function showed by LED



DEEPSEA7320 CONTROL MODEL/ MANUAL OR ATS USE

With Four Protection

- 1.High water Temperature Shutdown
2. Low Oil Pressure Shutdown
3. Over Speed Shutdown
4. Over Crank Shutdown
5. Protection as Emergent Stop
6. With Remote Teleport Communication RS 485

Parameters of Operation:

Digital type, all function showed by LED