

**Standard Features**

MODEL	GB-C40
Standby Power(60Hz)	35KW/44KVA
Prime Power(60Hz)	32KW/40KVA
Engine	Cummins 4BT3.9-G2
Alternator	STAMFORD PI144J

- **Engine(CCEC Cummins 4BT3.9-G2)**
- Radiator 40°C max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORD PI144J),**
- 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 $\phi$ )	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
220/127	60	3	0.8	115	35/44	32/40
208/120	60	3	0.8	121	35/44	32/40

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	180×75×135CM
Net Weight/KG For Open Type	876KG
Dimension(L*W*H)/CM For Sound Proof Type	223×106×168 CM
Net Weight/KG For Sound Proof Type	1200KG
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	

Specification Of Engine		
Engine	Engine Model	4BT3.9-G2
	Manufacturer	DCEC Cummins
	Prime Power	40KW/53.6HP
	Standby Power	44KW/59HP
	Engine Configuration	4Cylinder In Line, 4Stroke
	Gas Feeding Model	Turbocharged
	Bore×Stroke	102×120 (MM)
	Displacement	3.9L
	Rated Speed	1800RPM
	Speed Governor	Electronic
	Starter Model	24V DC Start
	Fuel Consumption Standby Power (100% load)	214 g/Kw.h
	Fuel Consumption Prime Power (75% load)	223 g/Kw.h
	Oil Consumption	≤4 g/kwh
	Cooling System	Water Cool
	Compression Ratio	16.5:1
	Max Back Pressure	10KPA
	Max Intake Restriction	6.35KPA
Exhaust Temperature	487℃	

**Specification Of Alternator**

Alternator	Alternator Model	PI144J
	Manufacturer	STAMFORD company
	Prime Output	32KW/40KVA
	Standby Output	35KW/44KVA
	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	≤1000m
	Voltage Regulation, Steady State	≤ ± 1%
	Telephone Influence Factor	< 50
	Sudden Voltage Warp (100% Sudden Reduce)	≤ ± 1%
	Sudden Voltage Warp (Sudden Increase)	≤ ± 25%
	Voltage Stable Time (100% Sudden Reduce)	≤ 6S
	Voltage Stable Time (Sudden Increase)	≤ 6S
	Frequency Reduce	0-5% adjustable
	Frequency Regulation, Stead State	≤ 1.5%
	Frequency Waving	≤ 0.8%
Sudden Frequency Warp (100% Sudden Reduce)	≤ +12%	
Sudden Frequency Warp (100% Sudden Increase)	≤ -10%	
Frequency Recovery Time (100% Sudden Reduce)	≤ 5S	
Frequency Recovery Time (Sudden Increase)	≤ 5S	
Compliance Stands	GB755,BS5000,VDE0530,NEMAMG1-22,IED34-1,CSA22.2 and AS1359	

**Control Panel System**



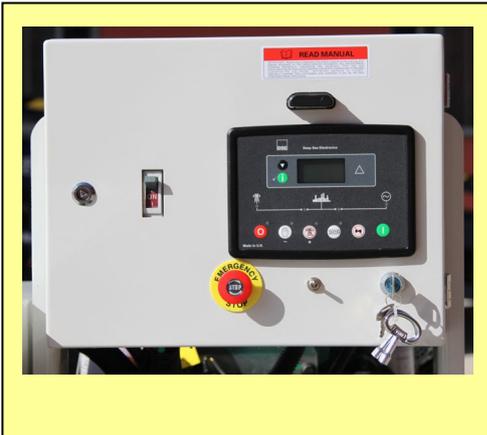
**MONICAN CONTROL MODEL/ MANUAL OR ATS USE**  
 With Four Protection

- 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:**

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

**Control Panel System**



**SMARTGEN CONTROL MODEL/ MANUAL OR ATS USE**  
 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

**Control Panel System**



**DEEPSEA CONTROL MODEL/ MANUAL OR ATS USE**  
 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