Standard Features

MODEL	GB-P90
Standby Power(50Hz)	80KW/100KVA
Prime Power(50Hz)	72KW/90KVA
Engine	PERKINS 1006TG1A
Alternator	STAMFORD UCI274C

- **Engine(PERKINS UK 1006TG1A)**
- Radiator 40℃ max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORDUCI274C),**
- single bearing alternator, Protection Class IP22, insulation class H/H
- Dry Type air filter, fuel filter, oil filter, pre-filter, absorber
- Main line circuit breaker
- Standard control panel
- Two12V batteries, rack and cable
- Ripple flex exhaust pipe, Exhaust siphon, flange, muffler
- Operation manual

Generator Set Ratings						
Voltage	**Frequency**	**Phase**	**P.F (COS¢)**	**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	144.4	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(eqvlSO8528);A10%voerload 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	230×96×148 CM
Net Weight/KG For Open Type	1100KGS
Dimension(L*W*H)/CM For Sound Proof Type	320×116×184 CM
Net Weight/KG For Sound Proof Type	1650KGS
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	

Specification Of Engine		
Engine	Engine Model	1006TG1A
	Manufacturer	PERKINS UK
	Emissions statement	EU2007(EU97/68/EC Stage Ⅱ) EPA Tier 4Final(EPA 40 CFR Part 1039 Tier 4)
	Prime Power	83KW/111.2HP
	Standby Power	91.5KW/122.6HP
	Engine Configuration	6Cylinder In Line, 4Stroke,Direct Injection
	Gas Feeding Model	Turbocharged
	Bore×Stroke	100×127(MM)
	Displacement	5.99L
	Rated Speed	1500RPM
	Speed Governor	Electrical
	Starter Model	12V DC Start
	Fuel Consumption Prime Power (100% load)	21.8L/H
	Totally lubrication system Capacity	16.1L
	Coolant capacity	27.7L
	Cooling System	Water Cool
	Compression Ratio	16:1

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	IP22
	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 Meter6.Alart Buzzer

SMARTGE 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

DEEPSEA 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