

## Standard Features

MODEL	GB-YM50
Standby Power(60Hz)	44KW/55KVA
Prime Power(60Hz)	40KW/50KVA
Engine	YANMAR 4TNV98T-GGE
Alternator	STAMFORD PI144K

- **Engine(YANMAR 4TNV98T-GGE)**
- Radiator 40°C max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORD PI144K),**
- 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
- 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)
480/240	60	3	0.8	83.7	44/55	40/50
460/230	60	3	0.8	144	44/55	40/50

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	180×75×110 CM
Net Weight/KG For Open Type	1700KG
Dimension(L*W*H)/CM For Sound Proof Type	230×100×130CM
Net Weight/KG For Sound Proof Type	2300 KG
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	

Specification Of Engine		
Engine	Engine Model	4TNV98T-GGE
	Manufacturer	YECL YANMAR
	Prime Power	45.3KW/60.7HP
	Standby Power	50.1KW/67.1HP
	Engine Configuration	4Cylinder In Line, 4Stroke
	Aspiration	Turbocharged Aspiration
	Bore× Stroke	98× 110 (MM)
	Displacement	3.319L
	Rated Speed	1800RPM
	Speed Governor	Mechanical
	Starter Model	12V DC Start
	Fuel Consumption Standby Power (100% load)	222g/Kw.h
	Lubrication system capacity(L)	10.5
	Cooling System	Water Cool
	Compression Ratio	18.1:1
	Speed Stability	≤5%
	Coolant capacity	4.2L
	Emissions statement	EPA Tier 2
Alternator	12V	

Specification Of Alternator		
	Alternator Model	PI144J
	Manufacturer	STAMFORD company

Alternator	Prime Output	40KW/50KVA
	Standby Output	44KW/55KVA
	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



### 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

**Parameters of Operation:**

Digital type, all function showed by LED