Standard Features

MODEL	GB-C450
Standby Power(60Hz)	396KW/495KVA
Prime Power(60Hz)	360KW/450KVA
Engine	Cummins KTA19-G2
Alternator	STAMFORD HCI444E

- **Engine(CCEC Cummins KTA19-G2)**
- Radiator 40℃ max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORD HCI444E),**
- 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
- 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)**
380/220	60	3	0.8	753	396/495	360/450
220/127	60	3	0.8	1298	396/495	360/450

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	340×126×205CM
Net Weight/KG For Open Type	4800KG
Dimension(L*W*H)/CM For Sound Proof Type	463×164×230 CM
Net Weight/KG For Sound Proof Type	7300KG
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	

Specification Of Engine		
Engine	Engine Model	KTA19-G2
	Manufacturer	CCEC Cummins
	Prime Power	407KW/545HP
	Standby Power	448KW/600HP
	Engine Configuration	6Cylinder In Line, 4Stroke
	Gas Feeding Model	Turbocharged
	Bore×Stroke	159×159(MM)
	Displacement	18.9L
	Rated Speed	1800RPM
	Speed Governor	Electronic
	Starter Model	24V DC Start
	Fuel Consumption Standby Power (100% load)	88L/H
	Oil Consumption	0.24L/h
	Cooling System	Water Cool
	Compression Ratio	14.5:1
	Max Back Pressure	10KPA
	Max Intake Restriction	6.23KPA
	Exhaust Temperature	513℃

Specification Of Alternator		
Alternator	Alternator Model	UCI444E
	Manufacturer	STAMFORD company
	Prime Output	360KW/450KVA
	Standby Output	396KW/495KVA
	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 Meter6.Alart Buzzer

SMARTGEN 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