

## Standard Features

| MODEL               | GB-C300            |
|---------------------|--------------------|
| Standby Power(50Hz) | 264KW/330KVA       |
| Prime Power(50Hz)   | 240KW/300KVA       |
| Engine              | Cummins NTA855-G1A |
| Alternator          | STAMFORD HCI444D   |

- **Engine(DCEC CumminsNTAA855-G1B)**
- Radiator 40℃ max, fans are driven by belt, with safety guard
- 24V charge alternator
- **Alternator(STAMFORD HCI444ES),**
- 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 $\phi$ ) | Standby Amps | Standby Ratings (KW/KVA) | Prime Ratings (KW/KVA) |
|---------|-----------|-------|-------------------|--------------|--------------------------|------------------------|
| 440/254 | 50        | 3     | 0.8               | 470          | 286/357.5                | 260/320                |
| 415/240 | 50        | 3     | 0.8               | 497          | 286/357.5                | 260/320                |
| 400/230 | 50        | 3     | 0.8               | 516          | 286/357.5                | 260/320                |
| 380/220 | 50        | 3     | 0.8               | 544          | 286/357.5                | 260/320                |

**Prime Power(PRP):** Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97(eqvISO8528); A10% 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        | 302×110×180 CM |
| Net Weight/KG For Open Type              | 2950 KG        |
|  |                |
| Dimension(L*W*H)/CM For Sound Proof Type | 423×144×220 CM |
| Net Weight/KG For Sound Proof Type       | 3800 KG        |
|  |                |
| Dimension (L*W*H)/MM For Trailer Type    |                |
| Net Weight/KG For Trailer Type           |                |

| Specification Of Engine |  |  |
|-------------------------|--|--|
| Engine                  | Engine Model                               | NTA855–G1A                                     |
|                         | Manufacturer                               | DCEC Cummins                                   |
|                         | Prime Power                                | 261KW/350HP                                    |
|                         | Standby Power                              | 312.4KW/419HP                                  |
|                         | Engine Configuration                       | 6Cylinder In Line, 4Stroke,Direct Injection    |
|                         | Gas Feeding Model                          | Turbo Charged                                  |
|                         | Bore×Stroke                                | 140×152 (MM)                                   |
|                         | Displacement                               | 14L  |
|                         | Rated Speed                                | 1500RPM  |
|                         | Speed Governor                             | High Precision Electronic Speed Control System |
|                         | Starter Model                              | 24V DC Start                                   |
|                         | Fuel Consumption Standby Power (110% load) | 83.5L/H  |
|                         | Fuel Consumption Prime Power (100% load)   | 76L/H  |
|                         | Oil Consumption                            | 0.15L/H  |
|                         | Cooling System                             | Water Cool                                     |
|                         | Compression Ratio                          | 15.0:1   |
|                         | Max Back Pressure                          | 10KPA  |
|                         | Intake Flow L/S                            | 9650L/S  |
|                         | Exhaust Temperature                        | 470 ℃  |

| Specification Of Alternator |  |  |
|-----------------------------|--|--|
| Alternator                  | Alternator Model   | HCI444D                                |
|                             | Manufacturer   | STAMFORD company                       |
|                             | Prime Output   | 240KW/300KVA                           |
|                             | Standby Output   | 264KW/330KVA                           |
|                             | 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,<br>Steady State                        | $\leq \pm 1\%$                         |
|                             | Telephone<br>Influence Factor                              | $< 50$                                 |
|                             | Sudden Voltage Warp<br>(100% Sudden Reduce)                | $\leq \pm 1\%$                         |
|                             | Sudden Voltage Warp<br>(Sudden Increase)                   | $\leq \pm 25\%$                        |
|                             | Voltage Stable Time<br>(100% Sudden Reduce)                | $\leq 6\text{S}$                       |
|                             | Voltage Stable Time<br>(Sudden Increase)                   | $\leq 6\text{S}$                       |
|                             | Frequency Reduce   | 0-5% adjustable                        |
|                             | Frequency Regulation,<br>Stead State                       | $\leq 1.5\%$                           |
|                             | Frequency Waving   | $\leq 0.8\%$                           |
|                             | Sudden Frequency Warp<br>(100% Sudden Reduce)              | $\leq +12\%$                           |
|                             | Sudden Frequency Warp<br>(100% Sudden Increase)            | $\leq -10\%$                           |
|                             | Frequency Recovery Time<br>(100% Sudden Reduce)            | $\leq 5\text{S}$                       |
|                             | Frequency Recovery Time<br>(Sudden Increase)               | $\leq 5\text{S}$                       |
| Compliance<br>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. Alarm 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