

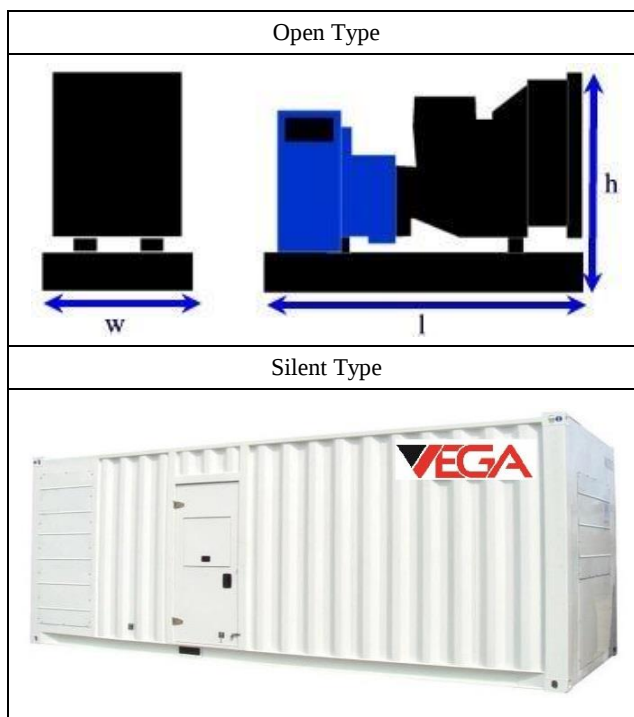
## VGC1100S

**Standby power : 1100KVA/880KW**

**Prime power : 1000KVA/800KW**

### Standard features

- Engine : CUMMINS ,KTA38-G5
- Charge alternator : 24V
- Governor : Electrical
- Alternator : STAMFORD , HCI634J
- Single bearing alternator IP 23
- Insulation class H/H
- Radiator 50°C max with coolant cap
- Skid and vibration isolators
- Dry type air filter
- Main line circuit breaker
- 24V battery and cable
- User's manual



### Weight and Dimensions

| GEN-Set        | Dimension ( L × W × H )  | Weight  |
|----------------|--------------------------|---------|
| Open Type      | 4274mm × 2060mm × 2208mm | 7645 Kg |
| Container Type | 6058mm × 2438mm × 2591mm | 10823Kg |

### Generator Ratings

| Voltage | Hz | Phase | Power factor | Standby AMP | Standby Rating (KVA/KW) | Prime Rating (KVA/KW) |
|---------|----|-------|--------------|-------------|-------------------------|-----------------------|
| 400/230 | 50 | 3     | 0.8          | 1588        | 1100/880                | 1000/800              |

### Engine Data

|                                     |                           |
|-------------------------------------|---------------------------|
| Manufacturer/Model                  | CUMMINS ,KTA38-G5 4-cycle |
| Cylinder /Arrangement               | 12 / 60° V                |
| Displacement                        | 37.8 L                    |
| Bore and Stroke                     | 159 mm × 159 mm           |
| Compression ratio                   | 13.9 : 1                  |
| Rated RPM                           | 1500 RPM                  |
| Max. stand by power at rated RPM    | 970KW                     |
| Frequency regulation , steady state | ≤ 1%                      |
| Governor : type                     | Electrical                |

### Exhaust System

|                     |          |
|---------------------|----------|
| Exhaust gas flow    | 3306 L/s |
| Exhaust temperature | 513°C    |

|                   |         |
|-------------------|---------|
| Max back pressure | 76 mmHg |
|-------------------|---------|

## Fuel System

|                                            |           |
|--------------------------------------------|-----------|
| Fuel consumption 100% (of the Prime Power) | 209 L / h |
|--------------------------------------------|-----------|

## Oil system

|                              |       |
|------------------------------|-------|
| Total oil capacity w/filters | 135 L |
|------------------------------|-------|

## Air intake

|                 |          |
|-----------------|----------|
| Engine air flow | 1213 L/s |
|-----------------|----------|

## Coolant System

|                            |         |
|----------------------------|---------|
| Radiator & engine capacity | 124 L   |
| Max water temperature      | 104°C   |
| Thermostat                 | 82-93°C |

## Alternator Data

|                                       |                    |
|---------------------------------------|--------------------|
| Manufacturer / Type                   | STAMFORD / HCI634J |
| Number of phase power                 | 3                  |
| Factor (Cos Phi)                      | 0.8                |
| Pole : number                         | 4                  |
| Bearing : number                      | 1                  |
| Coupling                              | Direct             |
| Exciter type                          | PMG                |
| Insulation : class , temperature rise | H / H              |
| protection                            | IP23               |

## Control panel



The DSE7320 is made by DEEPSEA in England and is a new control module for single gen-set applications, and it is an Automatic Start Control Module and is simple to operate, and the module includes USB, RS232 and RS485 for expansion device connectivity.

Specifications: Frequency meter, Ammeter, Voltmeter  
Alarms and faults Oil pressure, water temperature, No start-up, Over speed, Min/max alternator, Min/max battery voltage, Low fuel level, Emergency stop.

Engine parameters: Hours counter, Oil pressure, Water, temperature, Engine speed, Battery voltage, Fuel level.

Note: All data sheets are for reference only and subject to change without prior notice.