



## PRODUCT ABOUT

GO-BUSINESS GENERATOR sets offer a reliable solution to meet your power needs and ensure business continuity. Suitable for all kinds of applications, these generator sets help meet the needs of your business with quality production and wide support opportunities.

### POWER (kVA)

| VOLTAGE | STANDY-BY POWER (ESP) |        | PRIME POWER (PRP) |        | 3 Faz,50 Hz |
|---------|-----------------------|--------|-------------------|--------|-------------|
|         | kVA                   | kW     | kVA               | kW     | Ampere      |
| 400/231 | 170,00                | 136,00 | 155,00            | 124,00 | 245.66      |

**Stand By Rating (ESP):** It is the power capacity used to meet variable electrical load needs in case of failure of reliable grid supply.

**Prime Rating (PRP):** It refers to continuous operating power under variable load, 10% overload can be made every 12 hours.

## General Features

|                            |                  |
|----------------------------|------------------|
| Model Name                 | GBR-170          |
| Frequency (HZ)             | 50               |
| Fuel Type Used             | Diesel           |
| Engine Brand and Model     | RICARDO R6110ZLD |
| Alternator Brand and Model | Business         |
| Control Panel              | Datakom (TR)     |
| Canopy Model               | GB-150           |

## Engine Features

|                             |                       |
|-----------------------------|-----------------------|
| Engine                      | RICARDO               |
| Engine Model                | R6110ZLD              |
| Number of Cylinders (L)     | 6 cylinders - in line |
| Bore (mm.)                  | 110                   |
| Stroke (mm.)                | 135                   |
| Cylinder Displacement (lt.) | 7,7                   |
| Air intake                  | Naturally Aspirated   |
| Compression Ratio           | 16:01                 |
| Speed (r/min)               | 1500                  |

Go-Business reserves the right to make changes in the model, technical specifications, colors, equipment and accessories of its products without prior notice. However, we always guarantee that it has the highest quality standards and features.

|                                               |                 |
|-----------------------------------------------|-----------------|
| Engine Stand-By Power (kW/HP)                 | 170,00 / 227,97 |
| Engine Prime Power (kW/HP)                    | 155,00 / 207,85 |
| Oil Capacity (Including Filter) (lt)          | 10              |
| Cooling Liquid Capacity (lt)                  | 13              |
| Fuel Type Used                                | Diesel          |
| Cooling system                                | Watercooled     |
| Injection System                              | Natural         |
| Governor Type                                 | Mechanic        |
| Battery Capacity (Ah)                         | 72              |
| Air filter                                    | Dry Type        |
| Prime Fuel Consumption at 100% Load (lt/hour) | 11,00           |
| Fuel Consumption at Prime 75% Load (lt/hour)  | 9,10            |
| Fuel Consumption at Prime 50% Load (lt/hour)  | 6,80            |

Engine groups used in our products; Heavy-duty 4-stroke industrial diesel offers reliable power, low emissions and quick response to load changes.

Designed and tested for engine cooling system nominal ambient temperatures, the standard integrated kit-mounted radiator system simplifies plant design requirements for rejected heat.

### Alternator Features

|                             |             |
|-----------------------------|-------------|
| Alternator Brand and Model  | Business    |
| Frequency (HZ)              | 50          |
| VOLTAGE (V)                 | 230/400     |
| Phase                       | 3           |
| Automatic Voltage Regulator | (+/-)1%     |
| Insulation System           | H           |
| Protection Class            | IP21 - IP23 |
| Power Factor                | 0.8         |

- Brushless, Single Bearing, Flexible Disc 4-Pole Synchronous Alternator
- H Insulation Class
- IP21-23 Protection Class

- With Electronic Voltage Regulator
- Stator Winding 2/3 Steps Against Harmonic Distortions
- Alternator Windings are Protected with Insulation Varnish Against Oil and Acid

## DSE6110/20

### AUTO START & AUTO MAINS FAILURE CONTROL MODULES

#### FEATURES



DSE6120

DSE6110



## D500/MK3/LITE/D700

### AUTO START & AUTO MAINS FAILURE CONTROL MODULES

#### FEATURES



It supports many languages such as Turkish, English, Spanish, French and Chinese. Datakom control panels can be set in different languages depending on the country in which they are used. Different languages can be loaded onto the device with Rainbow Plus.

#### SPECIFICATION

**MAXIMUM OPERATING CURRENT**  
178 mA at 12 V, 95 mA at 24 V

**MAXIMUM STANDBY CURRENT**  
88 mA at 12 V, 50 mA at 24 V

**CHARGE FAIL/EXCITATION RANGE**  
0 V to 35 V

**MAINS (UTILITY) DSE6120 ONLY VOLTAGE RANGE**  
15 V - 333 V AC (L-N)

0 to 300 V-AC (Ph-N)

**FREQUENCY RANGE**  
3.5 Hz to 75 Hz

0-600 Hz.

#### OUTPUTS

**OUTPUT A (FUEL)**  
2 A DC at supply voltage

**OUTPUT B (START)**  
2 A DC at supply voltage

**AUXILIARY OUTPUTS C,D,E & F**  
2 A DC at supply voltage

**Mains and genset contactor outputs:**  
16Amps@250V

**DC Outputs:** Protected mosfet semiconductor outputs,

rated 1Amp@28V-DC

#### Cranking dropouts:

Survives 0V for 100ms

**GENERATOR VOLTAGE RANGE**  
15 V - 333 V AC (L-N)

**Mains voltage:**  
0 to 300 V-AC (Ph-N)

**FREQUENCY RANGE**  
3.5 Hz to 75 Hz

**MAGNETIC PICKUP VOLTAGE RANGE**  
+/- 0.5 V to 70 V

**FREQUENCY RANGE**  
10,000 Hz (max)

#### DIMENSIONS

**OVERALL**  
215 mm x 158 mm x 42 mm  
8.5" x 6.2" x 1.6"

**PANEL CUT-OUT**  
182 mm x 137 mm  
176 mm x 121 mm.

**MAXIMUM PANEL THICKNESS**  
8 mm  
0.3"

**STORAGE TEMPERATURE RANGE**  
-40 °C to +85 °C  
-40°C to 80°C (-40 to +176°F)

#### RELATED MATERIALS

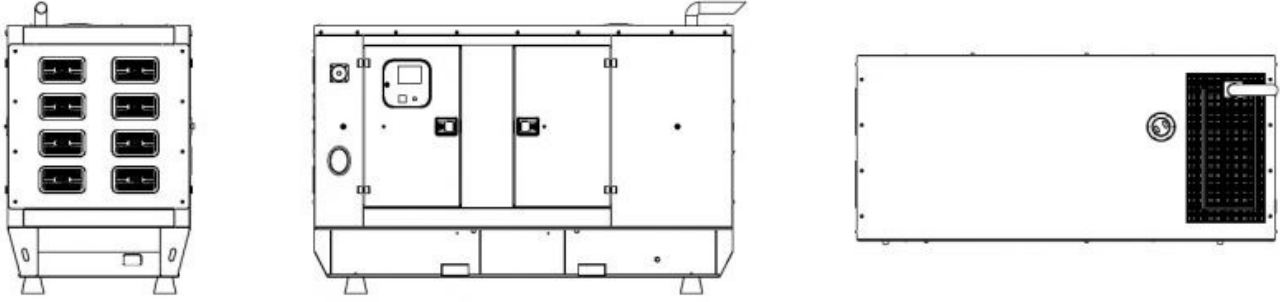
##### TITLE

DSE6110 Installation Instructions  
DSE6120 Installation Instructions  
DSE6100 Quick Start Guide  
DSE6100 Operator Manual  
DSE6100 Configuration Suite PC Manual

#### RELATED MATERIALS

##### TITLE

Installation Instructions  
User Manual  
NFPA Application Note  
Operator Manual  
Configuration Suite PC Manual



### Generator Dimensions with Cabinet (mm)

|                          |      |
|--------------------------|------|
| Length                   | 2150 |
| Width                    | 1000 |
| Height                   | 1200 |
| Dry Weight (kg.)         | -    |
| Fuel Tank Capacity (lt.) | 140  |

### Generator Dimensions Without Cabinet (mm)

|                          |      |
|--------------------------|------|
| Length                   | 1700 |
| Width                    | 1000 |
| Height                   | 1000 |
| Dry Weight (kg.)         | -    |
| Fuel Tank Capacity (lt.) | 140  |



- Container and modular cabin production
- 65-85 db. Sound insulation between
- Anti-vibration vibration wedges
- Corrosion resistant locks and hinges
- Easy transportation can be transported by forklift
- chassis feet
- Cover for easy access to the control panel
- Hidden exhaust
- Emergency stop button
- Design suitable for easy generator maintenance
- Lockable doors on both sides
- Weldless bolt and nut cabin assembly

### Cabin and Chassis

**Chassis and Durability:** The rigid structural design made of steel used for the generator set provides the durability to bear the weight of the generator and is supported by anti-vibration mounts to minimize the vibration level. This ensures stable operation and long life of the generator.

**Anti-Vibration Mounts:** Anti-vibration mounts, which help reduce the vibration level of the generator, absorb the vibration that may occur during operation and create less disturbance for the environment. Lifting

**Eyebolts:** Lifting eyebolts located on the chassis provide convenience during transportation and installation of the generator.

**Special Design Solutions:** In addition to standard chassis, special design solutions can be offered in line with customer demands. This allows tailoring the transport and placement of the generator to the needs of the project.

**Fuel Tank Integration:** In small power generator sets (less than 1600 kVA), the fuel tank is produced integrated into the chassis. This optimizes space and the assembly process.

**Large Power Generator Sets and Fuel Tank:** In generator sets with a power greater than 1600 kVA, the rectangular type fuel tank is provided separately with the generator set. This provides greater fuel storage capacity.

**Fuel Level Indicator:** Both types of fuel tanks have a level indicator that shows the fuel level. This simplifies fuel management and maintenance.