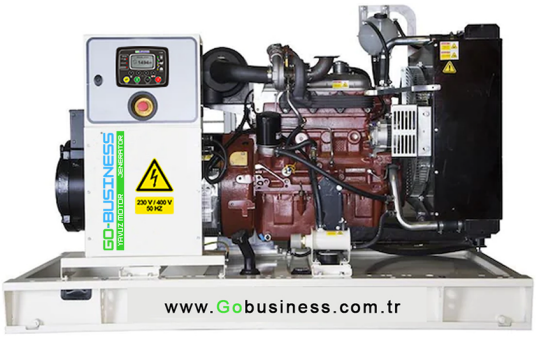
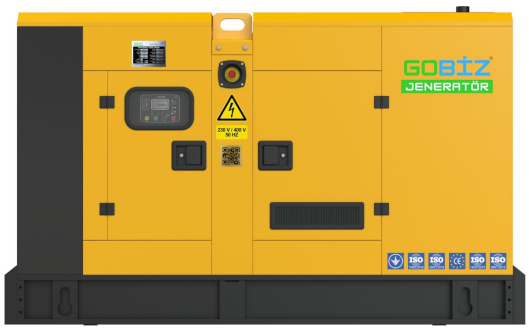
GO-BUSINESS
GENERATOR




## About Product

Go-Business generator sets provide optimum performance, reliability and versatility for power generation system, standby, main power and continuous operation applications. Backed by comprehensive warranty and worldwide after-sales support. 10-year spare parts supply is available.

## Power (kVA)

| VOLTAGE | Standby Power (ESP) | | Prime Power (PRP) | | 3 Phase, 50 Hz |
|---|---|---|---|---|---|
| | kW | kVA | kW | kVA | **Ampere** |
| 400/231 | 28,00 | 35,00 | 25,00 | 32,00 | 50,00 |

**Stand By Rating (ESP):** It is the way generators work at certain time intervals under variable load. It can work as backup power. It is not suitable to be operated under excessive load.

**Prime Rating (PRP):** It is the way of working as a continuous power supply when there is no mains power. When operating under variable load 24 hours a day, 10% overload is allowed for 1 hour every 12 hours.

## General Features

| | |
|---|---|
| Model Name | GBYA-35 |
| Frequency (HZ) | 50 |
| Fuel Type Used | Diesel |
| Engine Make and Model | YAVUZ 4104G |
| Alternator Brand and Model | Business |
| Control Panel Model | D500 |
| Cabin | GB-40 |

## ENGINE FEATURES

| | |
|---|---|
| Engine | YAVUZ |
| Engine Model | 4104G |
| Number of Cylinders (L) | 4 cylinders - in line |
| Bore (mm.) | 104 |
| Stroke (mm.) | 115 |
| Cylinder Volume (lt.) | 3,9 |
| Air intake | Naturally Aspirated |
| Compression Ratio | 17:1 |
| Speed (rpm) | 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.

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| | |
|---|---|
| Oil Capacity (Including Filter) (lt) | 12 |
| Standby Power (kW) | 40,80 |
| Prime Power (kW) | 28.2/37,80 |
| Number of Jacket Water Heater | 1 |
| Jacket Water Heater Power (Watts) | 500 |
| Fuel Type Used | Diesel |
| Injection and System Type | Direct |
| Fuel Pump Type | Delphi Rotary Type |
| Governor System | Mechanic |
| Operating Voltage (Vdc) | 12 Vdc |
| Battery and Capacity (Quantity/Ah) | 1x55 |
| Charge Alternator | 65 |
| Cooling Method | Water Cooled |
| Coolant Capacity (Only with Engine / Radiator)(lt) | 14 |
| Air filter | Dry Type |
| Prime 100% Load Fuel Consumption (lt/hour) | 9,6 |
| Prime 75% Load Fuel Consumption (lt/hour) | 7,2 |
| Prime 50% Load Fuel Consumption (lt/hour) | 4,8 |

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

The standard integrated kit-mounted radiator system, designed and tested for engine cooling system rated ambient temperatures, simplifies plant design requirements for rejected heat.

## Alternator Features

| | |
|---|---|
| Alternator Model | Business |
| Frequency (HZ) | 50 |
| VOLTAGE (V) | 400 |
| Phase | 3 |
| Automatic Voltage | DSR |
| Regulator Voltage | (+/-)1% |
| Regulation Insulation | H-F |
| System Protection Class | IP23 |
| Power Factor | 0.8 |
| Cooling Air (m³/min) | 6.6 |

2/3 step windings at low reactance; non-linear loads with low wave distortion, short-circuit possibility for troubleshooting and class H isolation.

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# DSE6110/20

## AUTO START & AUTO MAINS FAILURE CONTROL MODULES

**FEATURES**

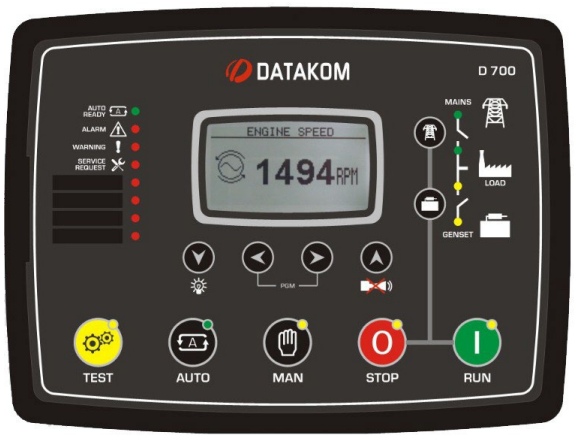
DSE**6120**

DSE**6110**

# 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 PICK UP**
**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

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www.gobusiness.com.tr 0850 241 0227 info@gobizenerji.com

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**OPEN TYPE GENERATOR DIMENSIONS (mm)**

| | |
|---|---|
| LENGTH | 2000 |
| WIDTH | 950 |
| HEIGHT | 1170 |
| DRY WEIGHT (kg.) | 802 |
| TANK CAPACITY (lt.) | 160 |

**GENERATOR CAB DIMENSIONS (mm)**

| | |
|---|---|
| LENGTH | 2650 |
| WIDTH | 950 |
| HEIGHT | 1450 |
| DRY WEIGHT (kg.) | 1116 |
| TANK CAPACITY (lt.) | 160 |

- Carcass structure made of steel profile and sheet
- Cabin formation with panels made of steel sheet
- Emergency stop button
- Control panel mounted on chassis at the back
- Cable outlet from the back
- Corrosion resistant locks and hinges
- Oil drain with manual lever pump on motor
- Exhaust system on cabin
- Cover for radiator water filling
- soundproofing materials
- Stepping ladder for exit to ceiling

**Go-Business Generator** set cabins have the following features as standard;

- Compact design connection with weldless nuts and bolts.
- Integrally mounted cab, generator set, exhaust system and fuel tank.
- Housing made of steel components treated with polyester powder paint
- Easy access to all service points
- Exhaust system inside the cabin
- Wide doors on both sides
- Lockable control panel
- Emergency stop button mounted outside the cabin
- The fuel filler section and battery are only accessible via the lockable access doors.
- Customer options available to meet your application needs
- Noise level tests of Go-Business generator sets have been approved by Szutest (CE standards conformity assessment body) in accordance with 2000/14/EC directive.

## Cabins

Optionally, it is possible to build protective and soundproof cabins against climatic conditions.

## Chassis and Fuel Tank

It minimizes the vibration level thanks to its rigid structural design and anti-vibration wedges, which are made of steel that will carry the load of the generator set. All chassis contain lifting lugs. Except for the standard chassis, all of which are produced by Go-Business, special solutions designed in line with customer demands provide great convenience in transportation and placement. In generator sets with a power of less than 1600 kVA, the fuel tank is produced as integrated into the chassis. For generator sets with power greater than 1600 kVA, the rectangular type fuel tank is provided separately with the generator set. Each type of fuel tank has a level indicator.

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