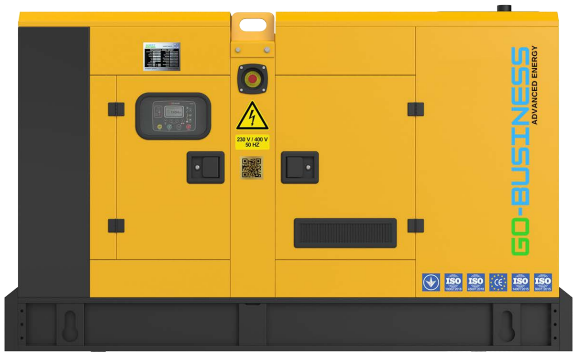
GO-BUSINESS
GENERATOR



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	121,00	96,80	110,00	88,00	174.85

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-121
Frequency (HZ)	50
Fuel Type Used	Diesel
Engine Brand and Model	RICARDO R6105AZLD
Alternator Brand and Model	Business
Control Panel	Datakom (TR)
Canopy Model	GB-120

Engine Features

Engine	RICARDO
Engine Model	R6105AZLD
Number of Cylinders (L)	4 cylinders - in line
Bore (mm.)	105
Stroke (mm.)	130
Cylinder Displacement (lt.)	6,75
Air intake	Naturally Aspirated
Compression Ratio	16:01
Speed (r/min)	1500

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Engine Stand-By Power (kW/HP)	121,00 / 162,26
Engine Prime Power (kW/HP)	110,00 / 147,51
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 Battery Capacity (Ah)	72
Air filter	Dry Type 11,00
Prime Fuel Consumption at 100% Load (lt/hour)	9,10
Fuel Consumption at Prime 75% Load (lt/hour)	6,80
Fuel Consumption at Prime 50% Load (lt/hour)	

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

GO-BUSINESS
GENERATOR

DSE6110/20

AUTO START & AUTO MAINS FAILURE CONTROL MODULES

FEATURES

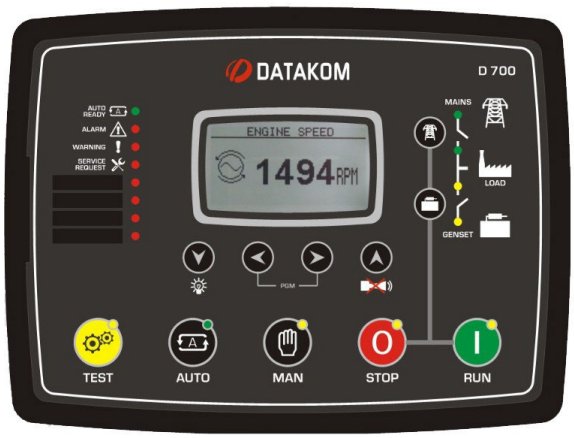
DSE**6120**

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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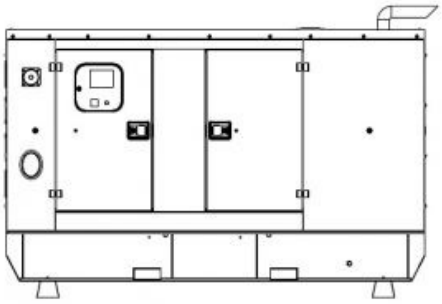

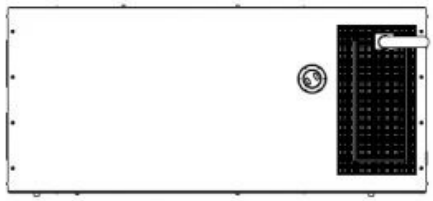

Generator Dimensions with Cabinet (mm)

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.

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