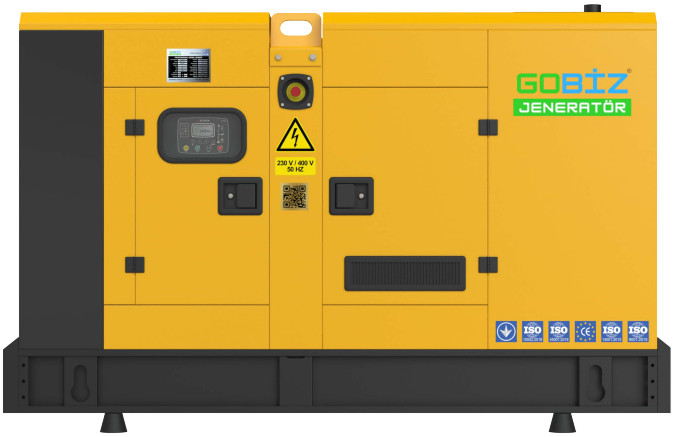
GO-BUSINESS
GENERATOR



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	88,00	70,40	80,00	64,00	127.16

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	GBJD-88
Frequency (HZ)	50
Fuel Type Used	Diesel
Engine Brand and Model	JOHN DEERE
Alternator Brand and Model	BUSINESS / STAMFORD
Control Panel	Datakom (TR)
Cabin	GB-90

Engine Features

Engine	JOHN DEERE
Engine Model	4045TFG20
Number of Cylinders (L)	4 cylinders - in line
Bore (mm.)	106
Stroke (mm.)	127
Cylinder Displacement (lt.)	4.5
Air intake	Natural Air
Compression Ratio	17.0:1
Speed (r/min)	1500

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Engine Stand-By Power (kW/HP)	85,00 / 113,00
Engine Prime Power (kW/HP)	79,00 / 106,00
Oil Capacity (Including Filter) (lt)	12
Cooling Liquid Capacity (lt)	25,00
Fuel Type Used	Diesel
Cooling system	Watercooled
Injection System	Natural
Governor Type	Mechanic
Battery Capacity (Ah)	66
Air filter	Dry Type
Prime Fuel Consumption at 100% Load (lt/hour)	17,00
Fuel Consumption at Prime 75% Load (lt/hour)	12,90
Fuel Consumption at Prime 50% Load (lt/hour)	8,90

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

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Control System

D-500 is an advanced generator controller that supports all types of communication and functionality. Advanced communication features allow it to be incorporated into any automation and monitoring system. Having all communication ports on the device and being active at the same time is a revolutionary innovation in the industry.

Description

The advanced communication features of the device allow it to be integrated into any automation system. The device's full software features also allow for software updates via the USB port. Windows-based PC software allows programming and monitoring of the device via USB, RS-485, RS-232, Ethernet and GSM. With BUSINESS-SERVIS customer options, it is possible to monitor and control an unlimited number of generators from a single center.

Main Features

- Diesel and gas generator support
- 400 Hz generator support
- Event recording with 400x measurement values
- All parameters can be changed from the front panel
- 3-level program password
- 128x64 pixel graphic LCD
- Installing languages
- Current-voltage waveform
- Current-voltage harmonic analysis
- 16 Amp / 250V TK / JK outputs
- 8 programmed digital inputs
- 6 programmed digital outputs
- 3 programmed analog inputs
- CANBUS-J1939 & MPU input
- 3 scheduled service alarms
- Multiple automatic test programs
- Weekly work schedule
- Dual generator support, equal aging
- Fine speed tuning (some ECUs)
- Automatic fuel pump control
- Protections cancel feature
- Overpower protection
- Reverse power protection
- Overcurrent IDMT protection
- Load shedding, dummy load
- Multiple load shedding programs
- Current unbalance protection
- Voltage unbalance protection
- Fuel filling and theft alarms
- Battery-backed real time clock
- Idle speed control
- Battery charging operation
- Battle mode support
- Multiple nominal condition definitions
- Driving contactors and motorized switches
- 4 quadrant energy meters
- Grid energy meters
- Fuel filling meter
- Fuel consumption meter
- Modem & ethernet page
- Parameter setting via USB, RS-485, Ethernet and GPRS
- Free configuration software
- Possibility of control via SMS
- Ready for central monitoring via Ethernet and GPRS
- Mobile generator support
- Automatic GSM location determination
- GPS connection (USB and RS232)
- Dynamic DNS support
- Downloading software via USB
- IP65 protection with standard gasket

Functions

- AMF device
- ATS device
- Remote Start device
- Manual Operating device
- Engine Controller
- Remote monitoring panel
- Long-term recording to flash memory
- Input-output augmentation

Communication

- Ethernet (10/100Mb)
- 4-band GPRS modem (optional)
- USB Host and USB Device
- RS-485 (2400-115200baud)
- RS-232 (2400-115200baud)
- Micro SD card slot
- J1939-CANBUS
- Location determination via GSM
- Web monitoring and scheduling
- Sending e-mail
- Modbus RTU and Modbus TCP/IP

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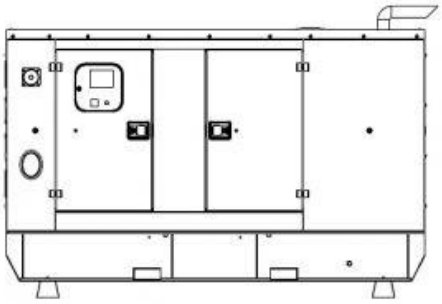

Generator Dimensions with Cabinet (mm)

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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