



ABOUT GENSET

GOBIZ 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 (kW/kVA)

VOLTAGE	Standby Power (ESP)		Prime Power (PRP)		3 Phase, 50 Hz
	kW	kVA	kW	kVA	Ampere
400/231	91,00	100,00	73,00	80,00	144,00

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

Prime Rating (PRP): It is the way of working as a continuous power source when there is no mains power. 10% overload allowed for 1 hour every 12 hours

GENERAL FEATURES

Model Name	GBSD-100
Frequency (HZ)	50
Fuel Type Used	DIESEL
Engine Make and Model	SDEC SC4H115D2
Alternator Options	BUSINESS / STAMFORD / L.SOMER
Control Panel Model	DATAKOM / DEESEA
Cabin	GBB-100

ENGINE FEATURES

Engine Engine Model	SDEC
Number of Cylinders (L)	SC4H115D2
Bore (mm.)	4- CYLINDERS-TYPE
Stroke (mm.)	105
Cylinder Volume (lt.)	124
Air intake Compression Ratio	4,3
Speed (rpm)	NATURAL ASPIRETED
	17,3:1
	1500

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Oil Capacity (Including Filter) (lt)	13,00
Engine Standby Power (kW/Hp)	86 / 115.28
Engine Prime Power (kW/Hp)	78 / 104.55
Injection and System Type	Direct
Fuel Pump Type	SDEC P.T.
Governor System	Electronic
Operating Voltage (Vdc)	24 Vdc
Battery and Capacity (Quantity/Ah)	120AH
Charge Alternator	24 V x 4,5 kW
Cooling Method	Water Cooled
Coolant Capacity (Only with Engine / Radiator)(lt)	23,00
Prime 100% Load Fuel Consumption (lt/hour)	20,20
Prime 75% Load Fuel Consumption (lt/hour)	15,20
Prime 50% Load Fuel Consumption (lt/hour)	10,30

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

Frequency (HZ)	50
VOLTAGE (V)	231/400
Phase	3
Automatic Voltage	DER1
Regulator Voltage	(+/-)1%
Regulation Insulation	H
System Protection Class	IP23
Power Factor	0.8

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

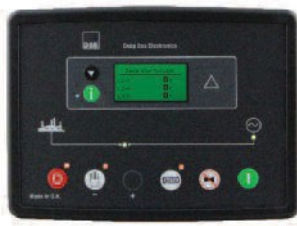
AUTO START & AUTO MAINS FAILURE CONTROL MODULES

FEATURES



DSE6120

DSE6110



D500/MK3/LITE/D700

AUTO START & AUTO MAINS FAILURE CONTROL MODULES

FEATURES



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

DIMENSIONS WITHOUT CANOPY AND WEIGHT (mm)

LENGTH	2070
WIDTH	1100
HEIGHT	1450
DRY WEIGHT (kg.)	1158
TANK CAPACITY (lt.)	185

DIMENSIONS WITH CANOPY AND WEIGHT (mm)

LENGTH	2650
WIDTH	1100
HEIGHT	1890
DRY WEIGHT (kg.)	1418
TANK CAPACITY (lt.)	185



- Structure from sheet steel
- Emergency stop button
- The control panel is mounted on the chassis on the right.
- Corrosion resistant locks and hinges
- Oil drain line with valve on engine
- soundproofing materials
- Warehouse-Chassis

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 make protective and soundproof cabins against climatic conditions.

CANOPY 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, rectangular type fuel tank is provided separately with the generator set. Each type of fuel tank has a level indicator.

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