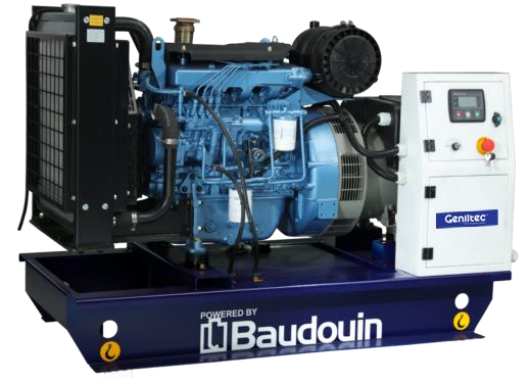


## ■ Model: **GBD60D5** | **GBD60S5**

Powered by **MOTEURS Baudouin**  
A WEG COMPANY



### ■ Generator Specification

Service	PRP(1)	ESP(2)
Power (KVA)	63	69
Power (KW)	50	55
Rated speed	1500RPM	
Standard voltage	380/220V	
Power factor	0.8	
Phase	3	

Performance Data		
Model	GBD63D5   GBD63S5	
Engine brand	BAUDOIN	
Engine model	4M10G2D3/5 - Stage IIIA	
Speed control type	ECU	
Alternator brand	GENLITEC POWER®	
Alternator model	S224G50	
Control system	SMARTGEN HGM6110N	
Starter motor voltage	24V	
Frequency	50Hz	
Fuel Consumption (L/H)	100% Prime Load	15.0
	75% Prime Load	11.1
	50% Prime Load	7.7
	25% Prime Load	4.5



GENLITEC Power gen-sets are compliant with ISO 9001 and CE standard, which include the following directives:

- 2006/42/EC Machinery safety.
- 2006/95/EC Low voltage
- EN 60204-1: 2006+A1: 2009, EN ISO 12100: 2010, EN ISO 13849-1:2008, EN 12601: 2010
- **GBD63D5: OPEN TYPE; GBD63S5: SILENT TYPE**

#### (1) PRP (Prime Power)

According to ISO 8528-1, prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

#### (2) ESP (Standby Power)

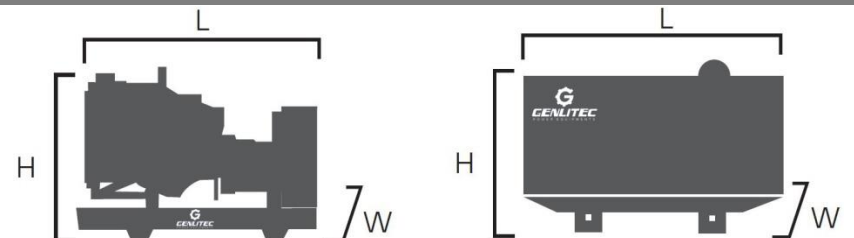
According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufactures. No overload capability is available.

Voltage (V)	PRP		ESP		Current Amps
	KVA	KW	KVA	KW	
415/240	63	50	69	55	87.6
400/230	63	50	69	55	90.9
380/220	63	50	69	55	95.7

#### Standard Reference Conditions

Note: Standard reference condition 25°C (77°F) air inlet temp. 100m (328ft) A.S.L 30% relative humidity. Fuel consumption date with diesel fuel with specific gravity of 0.85 and conforming to BS 2869: 1998 Class A2

#### Dimension & Weight



Dimension	Open type	Silent type
Length (L)	1900mm	2480mm
Width (W)	800mm	1000mm
Height (H)	1250mm	1500mm
Net Weight	900kg	1300kg

Note: This parameters allows for some acceptable deviations.

## ■ Engine Specification



### MODEL: BAUDOUIN 4M10G2D3/5

Cylinder number	4
Aspiration system	Turbo & Aftercooled
Cooling method	Water cooled
Governor type	ECU
Bore x Stroke (mm)	105x118
Compression ratio	17.5:1
Rated speed (RPM)	1500
Displacement (L)	4.087
Rated power (KW)	60
Standby power (KW)	66
Oil consumption (g/kw.h)	≤4
Fuel system	High-pressure common rail
Oil capacity (L)	9.2
Coolant capacity (L)	17.9
Starter motor capacity	DC 24V

## ■ Alternator Specification



### MODEL: GENLITEC POWER® S224G50

Number of phase	3
Rated power (KW/KVA)	50/63
Frequency (Hz)	50
Power factor (Cos Phi)	0.8
Poles	4
Temp. rise	125K
Terminals	12
Insulation type	H class
Ambient temp.	40°C
IP rating	IP23
Excitation system	Self-excited
Bearing	Single bearing
Coating	Vacuum impregnation
Voltage regulator	A.V.R
Coupling	Flexible disc

### Standard Supply Scope

- Industrial exhaust silencer
- Flexible pipes
- Float Battery charger
- Base frame
- Maintenance free battery
- Battery wires
- Manual books
- Digital control panel
- Water cooling radiator
- Wiring diagram
- Tool kits
- Main circuit breaker
- A.V.R
- Build-in based fuel tank
- Emergency stop button

## ■ Optional Supply Scope

Engine	Alternator	Generator Sets	Control Panel
<input type="checkbox"/> Water jacket pre-heater	<input type="checkbox"/> Anti-condensation heater	<input type="checkbox"/> Extended fuel tank 12h/24h/72h	<input type="checkbox"/> Remote control system
<input type="checkbox"/> Lubrication oil pre-heater	<input type="checkbox"/> PMG	<input type="checkbox"/> Soundproof canopy	<input type="checkbox"/> Build-in/External ATS
<input type="checkbox"/> Battery isolator		<input type="checkbox"/> Trailer mounted	<input type="checkbox"/> Synchronizing System
			<input type="checkbox"/> Power output sockets

## Control Panel

### Configuration

- Emergency stop button
- Protection MCB (Main circuit breaker)
- Float battery charger
- ATS connection
- AMF digital control module
- Fuel level meter
- Controller power switch
- Alarm buzzer

### Features

- Chinese, English, Spanish, Turkish, Russian & French
- Three phase generator monitoring
- Automatic or manual start/stop of the gensets
- Push buttons for simple control & operation
- Generator measurements (50Hz/60Hz)
- Precision collect & display parameters about ENGINE
- Comprehensive shutdown or warning on fault condition
- Three phase generator protections
  - Over / under voltage
  - Over / under frequency
  - Current / voltage asymmetry
  - Over current / overload
- Three phase AMF function
  - Over / under voltage
  - Loss of phase detection function
- Emergency start function
- IP55 waterproof with rubber-ring gasket



### Control Module Model: SMARTGEN HGM6110N

Display	LCD (132 x 64)
Operation panel	Silicon rubber
Digital input	4
Relay output	6
Analogue input	4
AMF	Yes
AC System	1P2W / 2P3W / 3P3W / 3P4W
Alternator voltage	15-360V (ph-N)
Alternator frequency	50/60Hz
KW/Amp Detecting & Display	Yes
Monitor interface	USB
Programmable interface	USB
DC supply	DC 8-35V
Operating temp.	-25 ~ +70°C

## Controller Module Options



GENLITEC POWER TECHNOLOGY CO., LTD.  
 GENLITEC (FUZHOU) POWER EQUIP MET CO., LTD.  
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All information in the document is substantially correct at the time of printing  
 But may be subsequently altered by the company.