



# BMG850BL



Generator Model	Engine brand	Engine Model	Alternator brand	Alternator model	Controller
BMG850BL	Baudouin	6M33G825/5	<b>Genparts</b>	GP750	Datakom D300 MK3
Prime Power KVA/KW	Standby Power KVA/KW	Power Factor/Phase	Fuel Tank L	Net weight KG	Dimensions mm
750 / 600	825 / 660	0.8/ 3 phase	TBC	7000	6000*2000*2500/

**High quality industrial waterproof canopy ensures low noise level 75 DBA (at 7m, 0% load)**

**Standby:** Standby power standby duty, operation under variable load, without overload.

**Prime Power:** Prime Power Continuous duty operation, under variable load, 10% overloads permissible 1/12hr.



# ENGINE TECHNICAL DATA

## ENGINE MODEL: BAUDOUIIN 6M33G825/5

Speed	Gross Engine Output		Net Engine Output	
	PRP	ESP	PRP	ESP
RPM	kW	kW	kW	kW
1500	675	725	650	700

- 1) All ratings are based on operating conditions under ISO 8528-1, ISO 3046, DIN6271. Performance tolerance of  $\pm 5\%$ .
- 2) Test conditions: 100 kPa, 25°C air inlet temperature, relative humidity of 30%, with fuel density 0.84 kg/L. Derating may be required for conditions outside these; please contact the factory for details.
- 3) Power output curves are based on the engine operating with fuel system, water pump and lubricating oil pump; not included are battery charging alternator, fan and optional equipment.

### BASIC DATA

Engine Model	6M33G825/5
No. of Cylinders/Valves	6/24
Bore x Stroke (mm)	150 x 185
Displacement (L)	19.6
Governor	ECU
Aspiration	Turbocharged and Aftercooled
Compression Ratio	15:1
Piston Speed (m/s)	9.25
Air Intake Flow @ ESP (m <sup>3</sup> /min)	51.5
Exhaust Flow @ ESP (m <sup>3</sup> /min)	163.1
Weight (Kg)	2472
Cooling fan airflow (m <sup>3</sup> /min)	783.3



## FUEL CONSUMPTION (L/h)

100% load PRP	159.5
75% load PRP	114.8
50% load PRP	77.4

## LUBRICATION SYSTEM

Oil pressure in normal condition idle speed (Bar)	$\geq 2$
Lowest oil pressure alarm (shutdown) (Bar)	2
Max. oil temperature permitted in oil pan (°C)	105
Total system capacity (including filters) (L)	64

## COOLING SYSTEM

Coolant alarm (shutdown) temperature (°C)	103
Thermostat adjusting temperature (°C)	80/92
Coolant capacity-engine only(L)	44

## FUEL SYSTEM

Max. restriction at fuel pump inlet (Bar)	0.5
Fuel supply flow (L/hr)	326
Max. fuel return restriction (Bar)	0.5
Max. fuel inlet temperature (°C)	50

## ELECTRIC SYSTEM

Battery charger current (A)	55
Starter power (kW)	10

## ALTERNATOR TECHNICAL DATA | GENPARTS

Brand	GENPARTS
Model	GP750
Power	750 KVA Prime
Number of Poles	4
Connection type (standard)	Star-series
Insulation	Class H
Protection class (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Single bearing

# GENSET CONTROLLER DATAKOM D-300MK3

## Control

Auto/Start/Stop Control  
Emergency Stop Pushbutton/ Alarm  
Engine Cool Down Timer  
Warm - up Timer  
Load Switching Timer  
Engine Cycle Crank



## Indications

Operating Hours  
3 Phase Generator Voltage Sensing & Monitoring  
Current Protection & Monitoring  
Power Measurement (kW, kVA, kVAr, kWh, kVAh, pf)  
Frequency Monitoring (Hz)  
Oil Pressure/Coolant Temperature/Fuel Level Monitoring  
Battery Voltage Monitoring (DC)  
Alarm (Acknowledge)

## Warning & Shutdown Alarms

Generator Over/Under Voltage & Frequency  
Crank Disconnect (Failure to Start)  
Under/Over Speed  
Over Current  
Low oil pressure  
High Water Temperature  
Low Fuel Level  
Low Water Level

## Features

IP 65 (if ordered with gasket)  
Basic Scheduler  
8 - 35V DC Supply  
Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)  
Event Log (5 shutdowns)

Disclaimer: In line with continuous product development, we reserve the right to change specifications without notice.

**BMGPOWER**

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