



# BMG1000BL



Generator Model	Engine brand	Engine Model	Alternator brand	Alternator model	Controller
BMG1000BL	Baudouin	12M26G100/5	Nidec Leroy Somer	TAL-A49-D	Datakom D300 MK3
Prime Power KVA/KW	Standby Power KVA/KW	Power Factor/Phase	Fuel Tank L	Net weight KG	Dimensions mm
900 / 720	1000 / 800	0.8/ 3 phase	TBC	9000	6000*230*2450/

**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: BAUDOUIN 12M26G100/5

Speed	Gross Engine Output		Net Engine Output	
	PRP	ESP	PRP	ESP
RPM	kW	kW	kW	kW
1500	820	902	788	870

- 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	12M26G1000/5
No. of Cylinders/Valves	12 / 48
Bore x Stroke (mm)	150 x 150
Displacement (L)	31.8
Governor	Electronic
Aspiration	Turbocharged and Aftercooled
Compression Ratio	15.7:1
Piston Speed (m/s)	7.5
Air Intake Flow @ ESP (m <sup>3</sup> /min)	66.2
Exhaust Flow @ ESP (m <sup>3</sup> /min)	194.5
Weight (Kg)	3585
Cooling fan airflow (m <sup>3</sup> /min)	1430



## FUEL CONSUMPTION (L/h)

100% load ESP	218.9
100% load PRP	195.5
75% load PRP	146.5
50% load PRP	100.8

## LUBRICATION SYSTEM

Oil pressure in normal condition idle speed (Bar)	>=2
Lowest oil pressure alarm (shutdown) (Bar)	2
Max. oil temperature permitted in oil pan (°C)	105
Total system capacity (including filters) (L)	114

## COOLING SYSTEM

Coolant alarm (shutdown) temperature (°C)	103
Thermostat adjusting temperature (°C)	77/87
Coolant capacity-engine only(L)	83

## FUEL SYSTEM

Max. restriction at fuel pump inlet (Bar)	0.5
Fuel supply flow (L/hr)	595
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



Brand	NIDEC LEROY SOMER
Model	TAL-A49-D
Power	910 KVA
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, kVA<sub>r</sub>, kWh, kVA<sub>h</sub>, 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.**

**BMG POWER**

**MOTEURS Baudouin**

**INNOVATIVE POWER SOLUTION**  
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