



BMG1100BL

Generator Model	Engine brand	Engine Model	Alternator brand	Alternator model	Controller
BMG1100BL	Baudouin	12M26G1100/5	Nidec Leroy Somer	TAL-A49-E J6S/4	Datakom D300 MK3
Prime Power KVA/KW	Standby Power KVA/KW	Power Factor/ Phase	Fuel Tank	Net weight KG	Dimensions Mm (open)
1020/816	1120/896	0.8 / 3 phase	N/A	10500	4500*2090*2250

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 12M26G1100/5

Speed	Gross Engine Output		Net Engine Output	
	PRP	ESP	PRP	ESP
RPM	kW	kW	kW	kW
1500	889	973	857	941

- 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	12M26G1100/5
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 ³ /min)	75.8
Exhaust Flow @ ESP (m ³ /min)	241.5
Weight (Kg)	3843
Cooling fan airflow (m ³ /min)	1430



FUEL CONSUMPTION (L/h)

100% load ESP	228.1
100% load PRP	207.1
75% load PRP	155.3
50% load PRP	106.6

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) conditon < kPa >	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 SOMMER
Model	TAL-A49-E J6S/4
Power	1000 KVA
Number of Poles	4
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	<p>Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank</p>
Indications	<p>Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVA_r, kWh, kVA_h, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge)</p>
Warning & Shutdown Alarms	<p>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</p>
Features	<p>IP 65 (if ordered with gasket) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)</p>



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



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