

## BMG660BL





Generator Model	Engine brand	Engine Model	Alternator brand	Alternator model	Controller
BMG660BL	Baudouin	8M21G660/5	Nidec Leroy Somer	LSAP 47 E1	DEIF SGC120/420
Prime Power KVA/KW	Standby Power KVA/KW	Power Factor/Phase	Fuel Tank L	Net weight KG	Dimensions mm
600 / 480	660 / 528	0.8/ 3 phase	800	4430	4550*1850*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 8M21G660/5 -**

Speed	Gross En	gine Output	Net Engine Output	
Speed	PRP	ESP	PRP	ESP
RPM	kW	kW	kW	kW
1500	530	580	498	548

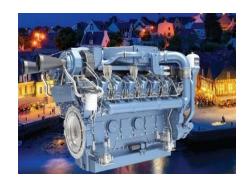
- 1) All ratings are based on operating conditions under ISO 8528-1, ISO 3046, DIN6271. Performance tolerance of ±5%.
- 2) Test conditions: 100 kPa, 25°C air inlet temperature, relative humidity of 30%, with fuel density 0.84 kg/L. Derating may be required for conditions outside these; please contact 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	8M21G660/5
No. of Cylinders/Valves	8 / 32
Bore x Stroke (mm)	127 x 165
Displacement (L)	16.72
Governor	ECU
Aspiration	Turbocharged and Aftercooled
Compression Ratio	15:1
Piston Speed (m/s)	8.25
Air Intake Flow @ ESP (m³/min)	36.2
Exhaust Flow @ ESP (m³/min)	125.2
Weight (Kg)	1819
Cooling fan airflow (m³/min)	800







FUEL CONSUMPTION (L/h)	
100% load ESP	140.7
100% load PRP	124.2
75% load PRP	95.4
50% load PRP	64.7
LUBRICATION SYSTEM	
Oil pressure in normal condition idle speed (Bar)	1.3-2.5
Lowest oil pressure alarm (shutdown) (Bar)	1.2
Max. oil temperature permitted in oil pan (°C )	107
Total system capacity (including filters) (L)	45
COOLING SYSTEM	
Coolant alarm (shutdown) temperature (°C)	103
Thermostat adjusting temperature (°C )	83 / 91
Coolant capacity-engine only(L)	31
FUEL SYSTEM	
Max. restriction at fuel pump inlet (Bar)	0.65
Fuel supply flow (L/hr)	950
Max. fuel return restriction (Bar)	0.8
Max. fuel inlet temperature (°C)	50
ELECTRIC SYSTEM	
Battery charger current (A)	70
Starter power (kW)	8.5

### **ALTERNATOR TECHNICAL DATA**



Brand	NIDEC LEROY SOMER
Model	LSAP 47 E1
Power	600 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 DEIF SGC120/420**

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.





# INNOVATIVE POWER SOLUTION Authorized Partner of Baudouin In Viet Nam

Head Office: No 31 lane 92, Nguyen khanh Toan Str, Cau Giay Dist, Ha Noi, Vietnam. www.bmgpower.vn

### BAUDOUIN ENGINES Made in India

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