TECHNICAL DATA

EBG700

KEY FEATURES:

- Genuine product having unique serial number that easily verifiable online.
- Vermicular graphite cast iron cylinder block and cylinder head
- Alloyed cast iron, wet cylinder liners with fire ring on the top.
- **Quality Standards:** ISO 8528/1, NEMA MG 1-22, NEMA MG 1.32-33, IEC 60034, BS 5000 PART 99, VDE 0530, ISO 8528/3, ISO TS16949, OHSAS 18001, UL 1446, UL 1004, ISO 9001, ISO 14001, AS 1359, IEC 34, ISO 3046, DIN 6271
- Load test report @110% Load
- Warranty: 24 Months or 2000 Hours
- Separate cylinder head with 4 valves, top-down cooling.
- After Sales support worldwide with Easy & Economical availability of Spares.
- Hydraulic bolt for both the cylinder head and bearing cap.
- Hardened steel forged crankshaft with induction hardened journals, crankpins and radius..

French Technology

GENERATOR SET:

Generator Model	EBG700	
Prime Power	650-KVA	520-KW
Standby Power	715-KVA	527-KW
Configuration	380-415 V, 3Ph, 50 Hz, 1500 RPM at 0.8 PF	

FUEL CONSUMPTION

Consumption @ 100% load	136.3 Ltrs
Consumption @ 75% load	100 Ltrs
Consumption @ 50% load	67.1 Ltrs

DIMENSIONS, WEIGHT & FUEL TANK (Approx.)

Particulars	Canopy
Length (mm)	N/A
Width (mm)	N/A
Height (mm)	N/A
Net Weight (Kg)	6380

ALTERNATOR DATA:

Brand / Model	LSA TAL 047F
Frequency / Speed	50 Hz / 1500 RPM
Coupling	Direct
No. of Bearings	Single Bearing
Phase / Poles	3-Phase/4-Pole
Over speed	2250 RPM
Voltage Regulation	± 0.25%
Insulation Class	H
Ingress Protection	IP 23
Excitation	Self Excited
Winding Pitch	2/3
Excitement System	Shunt

CONTROLLER DATA:

Make	Deep Sea
Model	DSE-6020

ENGINE DATA:

Brand	Baudouin (Made in France)
Model	6M33G2D0/S
Cylinders	6
Cylinders Arrangement	Vertical In-Line
Displacement	9,25
Aspiration System	Turbocharged
Combustion System	Direct Injection
Governor	Electronic
Bore	150mm
Stroke	185mm
Speed	50 Hz & 1500 RPM
Cooling System	Water Cooled
Cycle	4-Stroke
Gross Power PRP (KWm)	520-KWm
Gross Power STP (KWm)	527-KWm
Gross Power PRP	706HP
Compression Ratio	15:1
Rotation	Anti-Clockwise
Lubricating Capacity	64L
Coolant Capacity	44L
Thermostat Opening Temp	76/88° C
Coolant & water Ratio	50:50
Max. Exhaust Gas Temperature	580° C
Exhaust Flow (m3/min) Rated Power	131
Exhaust Flow (m3/min) Standby Power	140
Air Intake Temperature Rise	<15° C
Maximum Exhaust back pressure	120 mBar
Fuel Supply Flow (L/hr)	326
Cooling Fan Airflow (m3/min)	784
Dry Weight (Kg)	2689
Recommended Oil Grade	API-CH4-SAE15W-40
Battery Voltage	12 V
Fuel Type	Diesel
Recommended Fuel	Grade # 2

OTHER INFORMATION:

Import from UAE	
ATS /AMF Panel	Optional
Trailor/Trolley	Optional
Remote Monitoring	Optional
Operating Temperature	Up to 50° C
Low Fuel Level Sensor	Available
4-Pole Breaker	Optional
Sound Level @ 7M	85 dBs (Approx.)
Synchronizing System	Optional
Customized Color	Optional
Customized Sound Level	Optional

STANDARD SPECIFICATIONS:

1.ENGINE 4 Stroke heavy duty high performance industrial type diesel engine.

2.ENGINE FILTRATION SYSTEM • Air filter. • Fuel filter. • Full flow lube oil filter. All filters have replaceable elements.

3.COOLING RADIATOR. Radiator and cooling fan, complete with safety guards, designed to cool the engine at high ambient temperatures

4.EXHAUST SYSTEM Heavy duty Industrial Exhaust Silencer.

5. CIRCUIT BREAKER TYPE 3 pole MCB. (4 pole is optional)

6. FUEL SYSTEM The base frame design is incorporated with an integral fuel tank with capacity of approx. 8 hours running at full load. The tank is supplied complete with fill cap breather, fuel feed and return lines to the Engine and drain plug.

7. ALTERNATOR 7.1 INSULATION SYSTEM • The insulation system is Class H. • All windings are impregnated in either a triple dip thermosetting liquid, oil and acid resisting polyester varnish or vacuum pressure impregnated with a special polyester resin. • Heavy coat of anti-tracking varnish additional protection against moisture or condensation. 7.2 AUTOMATIC VOLTAGE REGULATOR (AVR) The fully sealed Automatic Voltage Regulator maintains the Voltage Regulation at ±2%. Nominal adjustment by means of a trim pot incorporated on the AVR.

8. MOUNTING ARRANGEMENT 8.1 BASE FRAME The complete Generating Set is mounted as a whole on a heavy duty fabricated steel Base frame. 8.2 COUPLING The Engine and Alternator are directly coupled by means of an SAE flange. The Engine flywheel is flexibly coupled to the Alternator rotor. 8.3 ANTI-VIBRATION MOUNTING PADS Anti-Vibration pads are affixed between the Engine / Alternator feet and the Base frame thus ensuring complete vibration isolation of the rotating assembly. 8.4 SAFETY GUARDS The Fan & Fan Drive along with the Battery Charging Alternator are Safety Guard protected for personnel protection.

9. FACTORY TESTS • The Generating set is load tested before dispatch • All protective devices control functions and site load conditions are simulated. The generator and it's systems are checked before dispatch.

10. DOCUMENTATIONS Operation & Maintenance manual, Circuit wiring diagrams and Commissioning / Fault Finding instruction leaflets are accompanied with the Generator.

11. WARRANTY All of the Generating Sets are covered under a warranty policy for a period of 18 months or 1000 Hours Warranty of the equipment is in line with manufacturers warranty terms & conditions. (check warranty statement for more details, as it may vary for different countries)

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

CONTROLLER LCD DISPLAY:	Model (To be decided)	Model (To be decided)
Voltage between Phases (L-L)	✓	✓
Voltage between Neutral and Phase (L-N)	✓	✓
Frequency	✓	✓
3 Phase Current	✓	✓
Real Power (KW) and Apparent Power (KVA)	✓	✓
Power Factor	✓	✓
Engine Speed	✓	✓
Running Hours	✓	✓
Coolant Temperature	✓	✓
Oil Pressure	✓	✓
Battery Voltage	✓	✓
LCD Alarm Indication	✓	✓
3 Phase Mains (Utility) Sensing	✓	✓
PROTECTING FUNCTIONS:		
Emergency Stop Button	✓	✓
High coolant Temperature	✓	✓
Low Oil Pressure	✓	✓
Over Current / Load	✓	✓
Under/Over Speed, Frequency & Voltages	✓	✓
Low / High Battery Voltages	✓	✓
Low Fuel Level Warning at 20%	✓	✓
Low Fuel Level Shutdown at 10%	✓	✓

RATINGS DEFINITIONS:

Prime Power: These ratings are applicable for supplying continuous electrical power at variable load in lieu of commercially purchased power. 10% overload power is available for 1 hour in 12 hours continuous operation.

Standby Power: These ratings are applicable for supplying continuous electrical power at variable load in the event of a utility power failure. No overload is permitted.

STANDARD REFERENCE CONDITIONS:

Output ratings are presented at 25° C air inlet temperature, barometric pressure 100 kPa relative humidity 30%. This rating set is designed to operate at high ambient temperate up to 50° C, humidity up to 99% and higher altitude. De-ration may apply. (Some of the specifications are not standard on all Genset models)

OPTIONAL ITEMS