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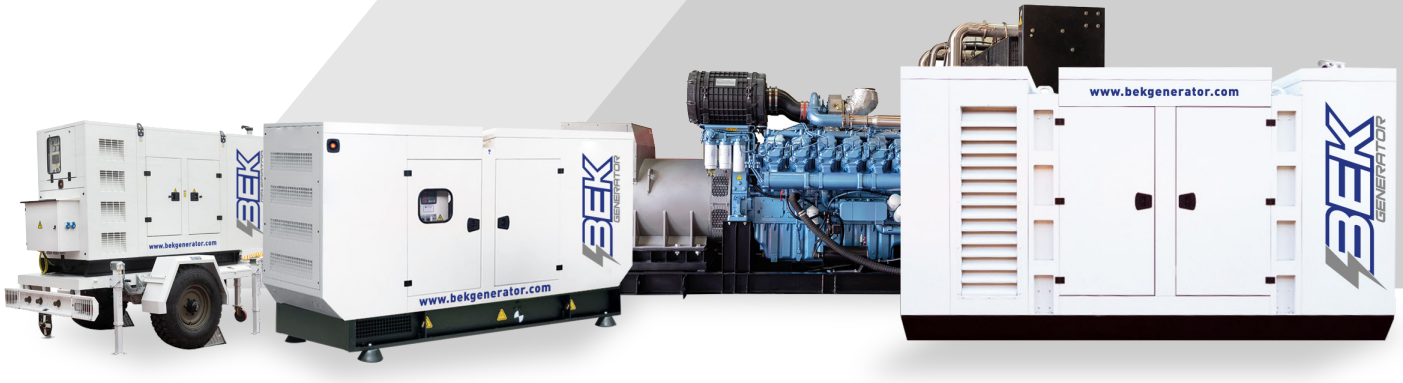
BGB50

DIESEL GENERATOR



SERVICE		Standby	Prime
Power	*kVA*	50	45
Power	*kW*	40	36
Standart Voltage	*V*	230/400	
RPM	*r.p.m*	1500	
Frequency	*Hz.*	50	

Standby Rating for a standby engine should be sized for a maximum of 70% average load factor and roughly 200 hours per year. Standby power ratings should never be applied except in true emergency outage situations. With standby rated generators there is no overload capability built into the units.

Prime Power is the maximum power accessible at the variable load for an unlimited number of hours per year in a variable load setting. It is not advisable that the variable load exceed 70% average of the prime power rating during any operational period. If the engine is running at 100% prime power, yearly hours should not exceed 500. Overload situations should be avoided however a 10% overload capability is available for a 1 hour period within a 12 hour cycle of operation.

Countinuous Power is used in applications where suppliying power is at a constant %100 load for an unlimited number of hours each year. Continuous power rated units are most widely used in applications where the power grid is unreachable.

QUALITY STANDARTS

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000 and IEC 34 standards.

We have ISO 9001-2015, ISO 14001-2015, ISO 45001-2018 and ISO 1002-2006 management system certificates from Kiwa, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also haveTS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

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Engine Specifications

Brand		BAUDOUIN
Model		4M06G50/5
Engine Type		4 Stroke - Diesel
Injection Type		Direct Injection
Aspiration Type		Naturally Aspirated
Number of cylinders and arrangement		4 In line
Bore&Stroke	*mm*	89x92
Displacement	*lt*	2,3
Cooling System		Water Cooling
Compression Ratio		17:05
Fuel Consumption Standby	*l/h*	11,7
Fuel Consumption 100% PRP	*l/h*	10,7
Fuel Consumption 75 % PRP	*l/h*	8
Fuel Consumption 50 % PRP	*l/h*	5,4
Total oil capacity including tubes,filters	*lt*	11,5
Total coolant capacity	*lt*	16
Governor		Electronic

Alternator Specifications

No of Phases	3
Power Factor	0,8
No of Bearings	Single
No of Poles	4
No of Leads	6-12
Insulation Class	H
Degree of Protection	IP23
Excitation System	AVR

OPTIONAL EQUIPMENTS

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Modular type sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system

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- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Weatherproof canopy rating is IP 23
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window
- Insulation details: Non-flammeable acoustic foam
- Nano tech cleaning system

CANOPY

Dimensions (L x W x H) mm	*mm*	2225x950x1660
WEIGHT (CANOPY)	*(Kg)*	1220
Fuel Tank Capacity	*(lt)*	135
Desibel	*db(A)*	65-75

OPEN SET

Dimensions (L x W x H) mm	*mm*	1770x850x1440
WEIGHT (CANOPY)	*(Kg)*	850
FUEL TANK CAPACITY	*(lt)*	135

OPEN SET

- Standard industrial type
- Critical type
- Hospital type

- Standard industrial type
- Critical type
- Hospital type

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start/stop failure

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DIESEL GENERATOR

OPTIONAL GENSET CONTROLLERS

Next generation single gen-set controllers for Stand-by and Prime power applications combining multi-functionality and wide communication with EFI engines.

Datakom SMART 200

Datakom D500

Datakom D500-GSM

DEEPSEA 6120

DEEPSEA 7320

ComAp AMF25

	Datakom SMART 200	Datakom Smart 500MK2	Datakom D500	Datakom D500-GSM	Deepsea 6120	Deepsea 7320	ComAp AMF25
Automatic Mains Monitoring	✓	✓	✓	✓	✓	✓	✓
Manuel Start	✓	✓	✓	✓	✓	✓	✓
Remote Start	OPTIONAL	OPTIONAL	OPTIONAL	✓	X	OPTIONAL	OPTIONAL
Remote Monitoring With Sim Card	X	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
1 Aditional Option (Horn, Oil-Fuel Heater Etc.)	✓	✓	✓	✓	✓	✓	✓
Light Warning And Mimic Diagram	✓	✓	✓	✓	✓	✓	✓
Battery Charger	✓	✓	✓	✓	✓	✓	✓
Rs-485 Communication	OPTIONAL	✓	✓	✓	X	✓	OPTIONAL
Ethernet (Tcp-Ip) Communication	X	✓	✓	✓	X	OPTIONAL	OPTIONAL

GENSET CONTROLLERS FOR SYNCHRONIZATION SYSTEMS

Next generation synchronizing genset controller capable of every communication and functionality.

Datakom D500 MK2

Datakom D700

DEEPSEA 8610

DEEPSEA 8620

DEEPSEA 8660

ComAp InteliCompact NT SPtM

ComAp InteliGen BaseBox

ComAp InteliGen 200

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