



TMG POWER

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BAUDOIN DIESEL GENSET

TMG-BD 500

GROUP

		Standby Power	Prime Power
Power	kVA	500	455
Power	kW	400	364
Engine Speed	rpm	1500	
Standard Voltage	V	400 / 230	
Power Factor	Cos Phi	0,8	

Continuous Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a constant electrical load. Average load can be 100%. The generator must not be overloaded.

Standby Power

The maxpower available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 hrs of operation per year under average of 70% load. Overloading isn't permissible.

Prime Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

MOTEURS
Baudouin

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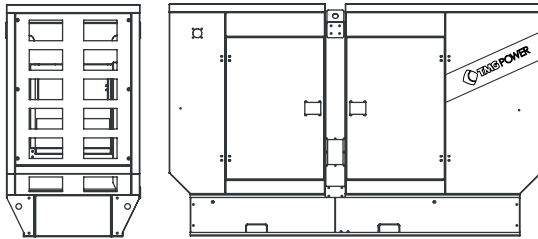
Engine Properties

Brand		BAUDOIN
Model		6M21G500/5
Stand By	<i>kW</i>	450
Prime	<i>kW</i>	409
Time		4
Cylinder Volume	<i>lt</i>	12,54
Cylinder Number and Arrangement		6 Cylinder
Piston Diameter and Stroke	<i>mmxmm</i>	127x165
Compression Ratio		16,5:1
Governor Type		Electronics
Suction System		Turbocharger / l. Cooler
Spray Type		Direct
Cooling Type		Water Cooled
Fuel Consumption at Full Load	<i>lt/h</i>	112,9
Engine Oil Capacity	<i>lt</i>	36
Water Capacity	<i>lt.</i>	69,2
Voltage	<i>V</i>	24
Battery Capacity	<i>A</i>	2x105

Alternator Properties

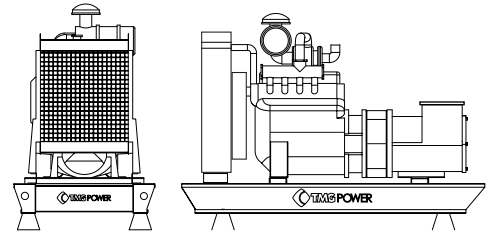
Output Voltage	<i>V</i>	230/400
Frequency	<i>HZ</i>	50
Automatic Voltage Regulation	$\pm\%$	0,5
Stand by Power	<i>kVA</i>	500
Prime Power	<i>kVA</i>	450
Power Factor	<i>Cosϕ</i>	0,8
Number of Cables		12
Winding Line		2/3
Protection Class		IP23 / H
Warning System		Self-Alert
AVR Model		SX440
Alternator Efficiency	<i>%</i>	92

Dimensions



Canopied

L x W x H	<i>mm</i>	4600x1500x2810
Weight	<i>kg</i>	4786
Fuel Tank Capacity	<i>lt.</i>	700



Open Set

L x W x H	<i>mm</i>	3500x1500x2170
Weight	<i>kg</i>	3886
Fuel Tank Capacity	<i>lt.</i>	700

Optitonal

Some Optional Equipments that TMG POWER provides with Generator Sets;

- Medium voltage alternator,
- Remote radiator applications,
- Automatic fuel filling system,
- Fuel tank, oil pan, dashboard, alternator, coil heaters,
- Alternator with double AVR and PMG,
- Synchronization systems, The generator output breaker,
- Grid-generator transfer switches,
- Accordance with the specific volume of demand-insulated cabins,
- Seismic solutions,
- Remote monitoring.
- SMPS 12/24V 10A

Kontrol Panel

- Datakom D500
- Datakom D700
- ComAp AMF9
- ComAp AMF25