



GENERATING SETS



WATER COOLED



THREE PHASES



50 HZ



DIESEL

Service

Standby

Prime

Power	kVA	1650	1500
Power	kW	1320	1200
Rated Speed Standart	r.p.m	1500	
Voltage Rated At	V	400 / 230	
Power Factor	Cos Phi	0,8	

GUCBIR Company with quality certification ISO 9001:2015, ISO 10002:2014, ISO 14001:2015, OHSAS 18001:2007, TS ISO IEC 25051:2015,

GUCBIR gensets are compliant with CE mark which includes the following directives:

- 2006/42/EC Machinery safety.
- 2014/30/EU Electromagnetic compatibility.
- 2014/35/EU Electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- EN 12100:2010, TS EN 60201-1, EN 55011, EN 61000-6-4, EN 61000-4-11, EN 61000-4-8, EN 610000-4-5, EN 610000-4-2, EN 610000-4-2, EN 12601, TS ISO 8528-1-12



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SPECIFICATIONS



Engine



Alternator

Engine

Standby / Prime	kWm	1429 / 1287
Manufacturer		XENIC
Model		TAD5046GE
Engine Type		4 Stroke - Diesel
Injection Type		Direct Injection
Aspiration Type		Turbo Charger / Air- air Intercooler
Number of cylinders and arrangement		16 - V type
Bore and Stroke	mm	159 x 159
Displacement	L	50,30
Cooling System		Water Cooling
Electrical System	V	24
Fuel Consumption Standby	l/h	297,5
Fuel Consumption 100% PRP	l/h	309
Fuel Consumption 75 % PRP	l/h	238
Fuel Consumption 50 % PRP	l/h	167
Lube oil consumption with full load		≤0,6
Total oil capacity including tubes, filters	L	204
Total coolant capacity	L	202
Governor	Type	Electronic

Alternator

Brand		Maranello
Model		M1670
Output Voltage	V	230/400
Frequency	HZ	50
Automatic Voltage Regulation	±%	0,5
Alternator Standby Power	kVA	1670
Alternator Continuous Power	kVA	1560
Power Factor	Cosφ	0,8
Number of Wires		12
Winding		2/3
Protection Class		IP23 / H
Excitation System		Self-excited
AVR Model		MX321
Performance - PF 0,8 / %75 Load	%	96,5

Prime Power (PRP):

According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (P_{pp}) over 24 h of operation shall not exceed 70 % of the PRP.

Emergency Standby Power (ESP):

According to ISO 8528-1:2005, Emergency standby power is the maximum power 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 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

Note: All data based on operation to ISO 3046/1, BS 5514 and DIN 6271 standard reference conditions



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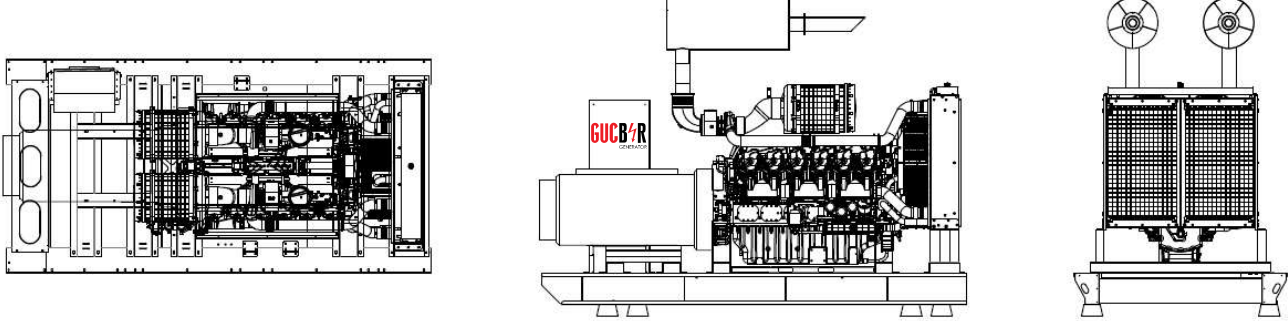
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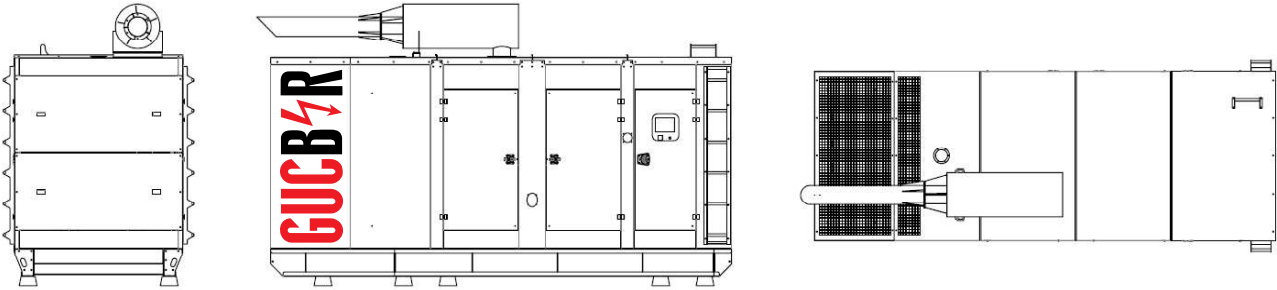
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DIMENSIONS



OPEN SET

LxWxH	mm	5470 x 2140 x 2860
Weight	kg	11600
Fuel Tank	lt	3000



CANOPIED

LxWxH	mm	9000 x 2200 x 3000
Weight	kg	13780
Fuel Tank	lt	3000

Sound Proof Canopy

- Special design for minimizing acoustic level.
- Galvanized steel construction further protected by polyester powder coat paint.
- Black finish stainless steel locks and hinges.
- Control panel viewing window in a lockable access door.
- Emergency stop push button (red) mounted on enclosure exterior.
- Lifting, drag and jacking points on base frame.
- Radiator fill via removable, flush mounted rain cap fitted with compression seal.
- Acoustic insulation with moisture-repellent and non-flammable material



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CONTROL UNIT



Control Unit

GB500 - DATAKOM

ATS unit with uninterrupted transfer	Internet Central Monitoring
AMF unit with uninterrupted transfer	SMS / E-mail message sending
Remote / Manuel start controller	Flexible with plug-in modules
Engine controller	Free PC software: Rainbow Plus
GSM-GPRS-GPS-Ethernet Port	Modbus RTU
8 configurable digital inputs	

ATS PANEL

GUCBIR automatic transfer switches are reliable, rugged, versatile, and compact assemblies for transferring essential loads and electrical distribution systems from one power source to another. GUCBIR's contactor, changeover and MCCB based transfer switch is rated 40-3600A and can be supplied in separate enclosures for standalone applications or can be supplied as an integral component contactors, changeovers and MCCB's, inside the ATS panels are well known and internationally recognized brands such as ABB, SIEMENS, SCHNEIDER, GE, LS, HYUNDAI and ANDELI.



OPTIONAL EQUIPMENTS

Some Optional Equipments that GUCBIR 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,
- Trailer,
- Remote monitoring.
- SMPS 12/24V 10A

Control Panel

- DeepSea 7320
- Datakom D700/D300/D309/D200
- ComAp AMF9 / AMF25
- Emko



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