TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED
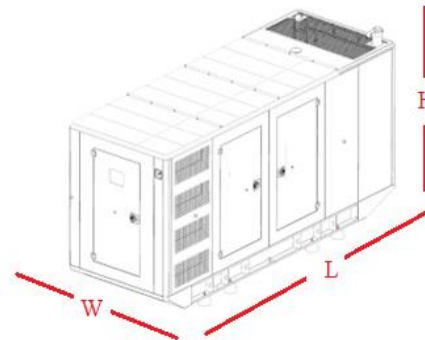
GENSTAR the energy

ALFA			GSG - C1345	

Standby Power	kVA	1345	Engine Speed	Power Factor
	kW	1076	1500 rpm	0,8 Cos Phi
Prime Power	kVA	1260	Voltage	
	KW	1008	400 / 230 V	

ENGINE

Brand		CUMMINS
Power PRP	kW	1097
Model		KTA50-G3
N° of Cylinders / Valves		16
Engine Type		4
Displacement	lt	50,3
Aspiration		Turbocharge and Aftercooler System
Bore x Stroke	mm	159X159
Compression Ratio		13.9:1
Air Filter		Heavy Duty
Cooling Method		Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	lt	415
Governor Type		Electronic
Electrical System		24VDC
Battery Charger Current		35
Oil Capacity	lt	177
Exhaust Gas Temp.	[L/s]	3728
Air Flow PRP	[C]	≤520
Cooling Air Flow PRP	[L/s]	1605
Starter Power	[m3/s]	30,3
Starter Power	(kW)	TBA
Standard Battery Voltage		24 VDC
Standard Battery Capacity		4x105Ah
Standard Battery Type		Maintenance-Free Lead Acid

FUEL CONSUMPTION (lt/h)

%110 ESP	293
%100 PRP	261
%75 PRP	199
%50 PRP	139

(The specific gravity is 0.84 and the fuel is considered to be BS2869, Class A2.)

ALTERNATOR

Brand		STAMFORD
Model		S6L1D-G
Voltage		400 /230 VAC
Number of Phase		3
Power Factor		0,8
Number of Poles		4
Connection Type		Star
Bearing		Single
Insulation Class		H
Protection Class		IP 23
Winding		2/3
Control System		Self Excited
Voltage Regulator		Electronic AVR
Efficiency 4/4 400VAC 50Hz	(cosφ=1)	96
Voltage Regulation		±%1
THD		<%5
Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC		1260
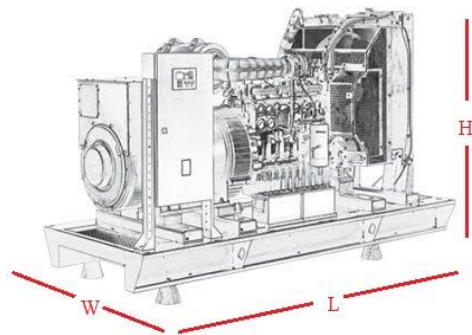
OPEN VERSION					CANOPY VERSION			
Width(mm)	Length(mm)	Height(mm)	Dry Weight (kg)	Fuel Tank Capacity (lt.)	Width(mm)	Length(mm)	Height(mm)	Dry Weight (kg)
2100	4940	2580	TBA	2000	2470	6601	2811	TBA

* Diesel and gas genset support
* 400Hz operaton support
* Downloadable languages
* Harmonic analysis of V & I
* Weekly operaton schedule
* Dual mutual standby wth equal agng of gensets
* Overload IDMT protecton
* Current unbalance protecton
* Fuel filling & fuel theft alarms
* Battery back-up real tme clock

* Idle speed control
* Contactor & MCB drve
* Fuel filling counters
* Fuel consumpton counter
* Automatic GSM geo-locaton
* Reverse power protecton
* Free configuraton program
* Mobile genset support
* 3 level configuraton password
* Ip65 ratng wth optonal gasket
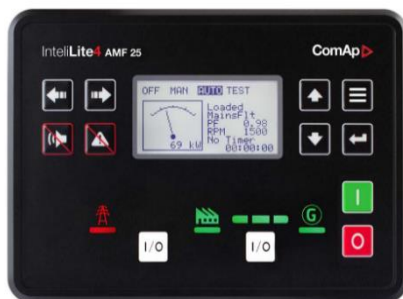
* Full remote communications support (AirGate 2.0, WSV)
* Internet access using Ethernet / 4G, Modbus TCP/RTU
SNMP v1/v2c
* Active SMS and emails
* Detailed history log with up to 350 records

* Dual Mutual Standby application support
* Remote display

* User setpoints and protections
* 5 languages in the controller & Translator functionality
* User Access Management
* Cyber security improvement
* Alternative configurations
* Multi-purpose schedulers
* Modbus register mapping possibility

* Stand-by and prime-power application in one unit
* Backlit symbols
* 8 binary outputs, 8 + 1 binary inputs, 4 analog inputs (U/I/R)
* +5 V output reference for analog inputs
* 2 high-current E-Stop binary outputs
* USB Host
* Inbuild RS485
* 2 slots for extension plug-in modules (Modbus, Internet,
* SMS, imputs/outputs)
* Extension CAN modules
* ECU support (Tier 4 Final, Stage V)
* RTC with battery back-up (full calendar)
* Power over USB for controller configuration
* Zero power mode
* True RMS measurement
* In-built PLC, complemented with a PLC monitoring tool in
InteliConfig
* Load shedding, dummy load management
User buttons
* User buttons
* Geofencing based on GPS position
* Available also in low temperature version (Order code: