GEN STAR
the energy

ALFA			GSG - C1660	
Standby Power	kVA	1660	**Engine Speed**	**Power Factor**
	kW	1328	1500 rpm	0,8 Cos Phi
Prime Power	kVA	1510	**Voltage**	
	KW	1208	400 / 230 V	

ENGINE

Brand		CUMMINS
Power PRP	kW	1287
Model		KTA50-G8
N° of Cylinders / Valves		16
Engine Type		4
Displacement	lt	50,3
Aspiration		Turbocharge and Aftercooler System
Bore x Stroke	mm	159X159
Compression Ratio		14.9:1
Air Filter		Heavy Duty
Cooling Method		Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	lt	496
Governor Type		Electronic
Electrical System		24VDC
Battery Charger Current		35
Oil Capacity	lt	178
Exhaust Gas Temp.	[L/s]	4038
Air Flow PRP	[C]	≤499
Cooling Air Flow PRP	[L/s]	1581
Starter Power	[m3/s]	28,8
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	345
%100 PRP	309
%75 PRP	238
%50 PRP	167

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

ALTERNATOR

Brand		STAMFORD
Model		S7L1D-C
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)	96,4
Voltage Regulation		±%1
THD		<%5
Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC		1550
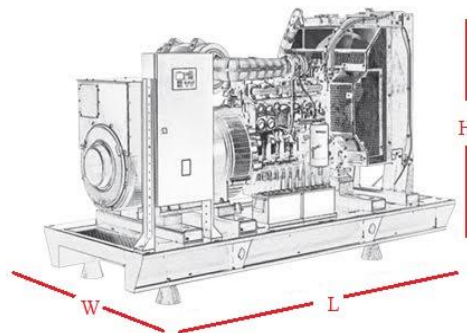
OPEN VERSION					CANOPY VERSION			
Width(mm)	Length(mm)	Height(mm)	Dry Weight (kg)	Fuel Tank Capacity (lt.)	Width(mm)	Length(mm)	Height(mm)	Dry Weight (kg)
2100	5580	2900	TBA	3000	2560	8360	3241*	TBA

TECHNIQUE INFORMATION
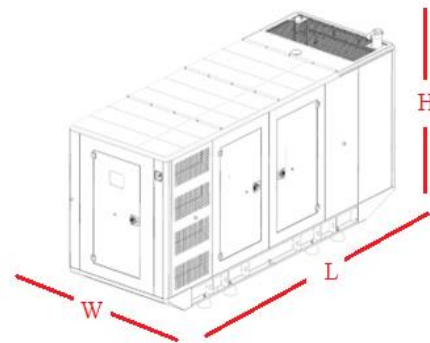**DIESEL GENERATORS**
GSG ALFA DIESEL ENGINE POWERED

GENSTAR
the energy

* 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
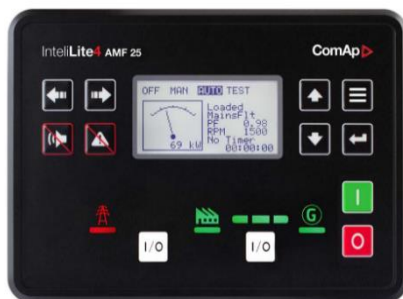
* Full remote communications support (AirGate 2.0, WSV)
* Internet access using Ethernet / 4G, Modbus TCP/RTU
SNMP v1/v2c
* Active SMS and emails
* Detailed history log with up to 350 records

* 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: