TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED
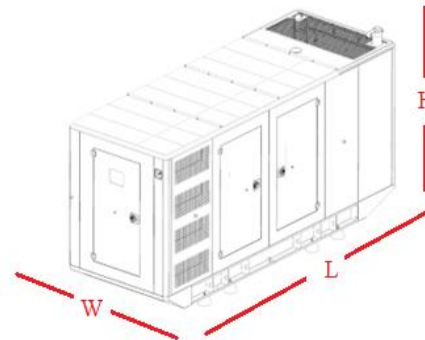
GEN**STAR**
the energy

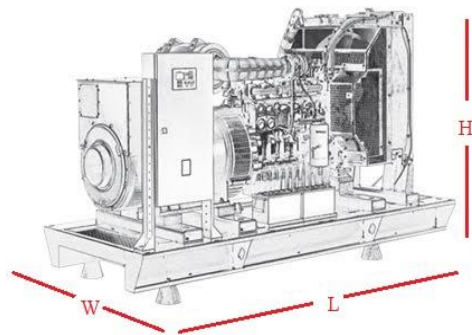| ALFA			GSG - C350	
Standby Power	kVA	350	**Engine Speed**	**Power Factor**
	kW	280	1500 rpm	0,8 Cos Phi
Prime Power	kVA	318	**Voltage**	
	KW	254,4	400 / 230 V	

ENGINE

Brand		CUMMINS
Power PRP	kW	290
Model		6LTAA9.5-G1
N° of Cylinders / Valves		6
Engine Type		4
Displacement	lt	9,5
Aspiration		Turbocharger and Aftercooler System
Bore x Stroke	mm	116x148
Compression Ratio		16.6:1
Air Filter		Heavy Duty
Cooling Method		Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	lt	55,5
Governor Type		Electronic
Electrical System		24 VDC
Battery Charger Current		70
Oil Capacity	lt	28,1
Exhaust Gas Temp.	[L/s]	663
Air Flow PRP	[C]	≤558
Cooling Air Flow PRP	[L/s]	263
Starter Power	[m3/s]	7,9
Starter Power	(kW)	TBA
Standard Battery Voltage		24 VDC
Standard Battery Capacity		2x75Ah
Standard Battery Type		Maintenance-Free Lead Acid

FUEL CONSUMPTION (lt/h)

%110 ESP	78
%100 PRP	70
%75 PRP	52
%50 PRP	35

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

ALTERNATOR

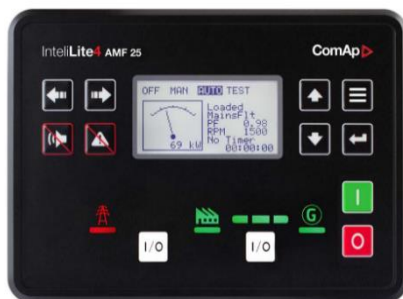| Brand		LINZ
Model		PRO28ME/4
Voltage		400 /230 VAC
Number of Phase		3
Power Factor		0,8
Number of Poles		4
Connection Type		Star
Bearing		Single
Insulation Class		H
Protection Class		IP 23
Winding		5/6
Control System		Self Excited
Voltage Regulator		Electronic AVR
Efficiency 4/4 400VAC 50Hz	(cosφ=1)	94,3
Voltage Regulation		±%1
THD		<%5
Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC		330

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)
1450	3450	1820	TBA	780	1510	4370	2205	TBA

TECHNIQUE INFORMATION
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* 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: