GEN STAR
the energy

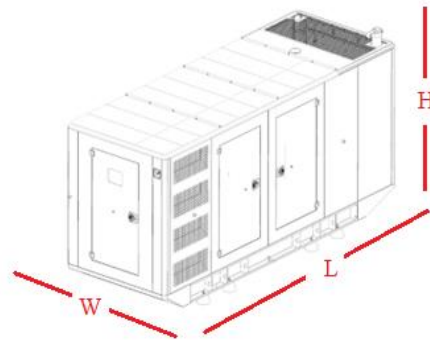| ALFA				GSG - P270	
Standby Power	kVA	270	**Engine Speed**	**Power Factor**	
	kW	216	1500 rpm	0,8 Cos Phi	
Prime Power	kVA	240	**Voltage**		
	KW	192	400 / 230 V		

ENGINE

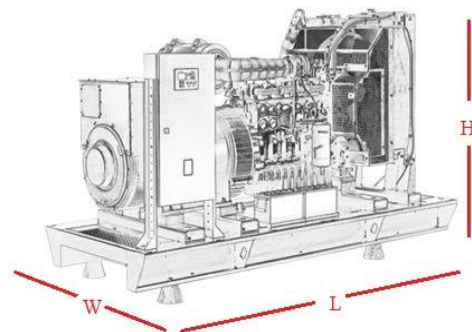| Brand		PERKINS
Power PRP	kW	226.2
Model		1206A-E70TTAG3
N° of Cylinders / Valves		6/24
Engine Type		4
Displacement	lt	7.01
Aspiration		Turbocharged - Air to air cooled
Bore x Stroke	mm	105x135
Compression Ratio		15.8:1
Air Filter		Heavy Duty
Cooling Method		Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	lt	25
Governor Type		ECM (Engine Control Modul)
Electrical System		12VDC
Battery Charger Current		100A
Oil Capacity	lt	16
Exhaust Gas Flow PRP	[m3 / min]	30,9
Exhaust Gas Temp.	[°C]	515.8
Air Flow PRP	[m3/min]	13.5
Cooling Air Flow PRP	[m3/min]	4,42
Starter Power	(kW)	5 kW
Standard Battery Voltage	[V]	12VDC
Standard Battery Capacity		1x105Ah
Standard Battery Type		Maintenance-Free Lead Acid

FUEL CONSUMPTION (lt/h)

%110 ESP	64,5
%100 PRP	56,9
%75 PRP	51,5
%50 PRP	28,1

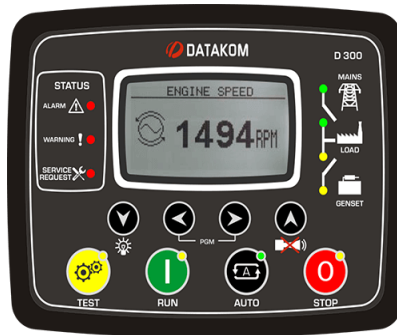(The specific gravity is 0.84 and the fuel is considered to be BS2869, Class A2.)

ALTERNATOR

Brand	LINZ
Model	PRO28S C/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)	93.8
Voltage Regulation	±%1
THD	<%3,1
Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC	240

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)
1200	3200	1742	2002	460	1260	4094	2063	2685

* Diesel and gas genset support	* Idle speed control
* 400Hz operaton support	* Contactor & MCB drve
* Downloadable languages	* Fuel filling counters
* Harmonic analysis of V & I	* Fuel consumpton counter
* Weekly operaton schedule	* Automatic GSM geo-locaton
* Dual mutual standby wth equal agng of gensets	* Reverse power protecton
* Overload IDMT protecton	* Free configuraton program
* Current unbalance protecton	* Mobile genset support
* Fuel filling & fuel theft alarms	* 3 level configuraton password
* Battery back-up real tme clock	* Ip65 ratng wth optonal gasket

* 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

* Full remote communications support (AirGate 2.0, WSV) * ECU support (Tier 4 Final, Stage V)

* Internet access using Ethernet / 4G, Modbus TCP/RTU

SNMP v1/v2c

* RTC with battery back-up (full calendar)
* Power over USB for controller configuration

* Active SMS and emails
* Detailed history log with up to 350 records

* Zero power mode
* True RMS measurement
* In-built PLC, complemented with a PLC monitoring tool in

* Dual Mutual Standby application support
* Remote display

InteliConfig
InteliConfig
* Load shedding, dummy load management

* User setpoints and protections

User buttons

* 5 languages in the controller & Translator functionality

* User buttons

* User Access Management
* Cyber security improvement
* Alternative configurations
* Multi-purpose schedulers
* Modbus register mapping possibility

* Geofencing based on GPS position
* Available also in low temperature version (Order code: