TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED

GENSTAR the energy

ALFA			GSG - P33	
Standby Power	kVA	33	**Engine Speed**	**Power Factor**
	kW	26,4	1500 rpm	0,8 Cos Phi
Prime Power	kVA	30	**Voltage**	
	KW	24	400 / 230 V	

ENGINE

Brand		PERKINS
Power PRP	kW	27,7
Model		1103A-33G
N° of Cylinders / Valves		3/6
Engine Type		4
Displacement	lt	3.3
Aspiration		Natural
Bore x Stroke	mm	105x127
Compression Ratio		19.25:1
Air Filter		Heavy Duty
Cooling Method		Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	lt	10.2
Governor Type		Mechanical
Electrical System		12VDC
Battery Charger Current		65A
Oil Capacity	lt	8.3
Exhaust Gas Flow PRP	[m3 / min]	5,7
Exhaust Gas Temp.	[°C]	500
Air Flow PRP	[m3/min]	2.16
Cooling Air Flow PRP	[m3/min]	53
Starter Power	(kW)	3 kW
Standard Battery Voltage	[V]	12VDC
Standard Battery Capacity		1x60 Ah
Standard Battery Type		Maintenance-Free Lead Acid

FUEL CONSUMPTION (lt/h)

%110 ESP	8,1
%100 PRP	7,2
%75 PRP	5,61
%50 PRP	4,06

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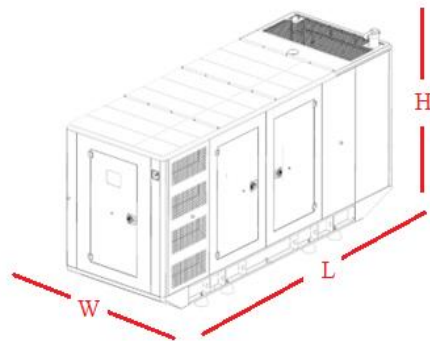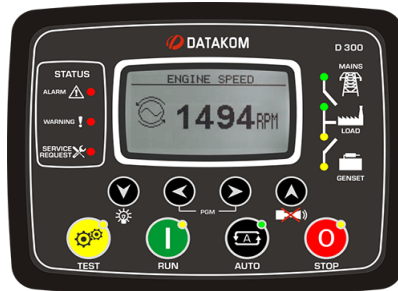

ALTERNATOR

Brand	LINZ
Model	PRO18S 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	2/3
Control System	Self Excited
Voltage Regulator	Electronic AVR
Efficiency 4/4 400VAC 50Hz (cosφ=1)	89,9
Voltage Regulation	±%1
THD	<%3
Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC	30
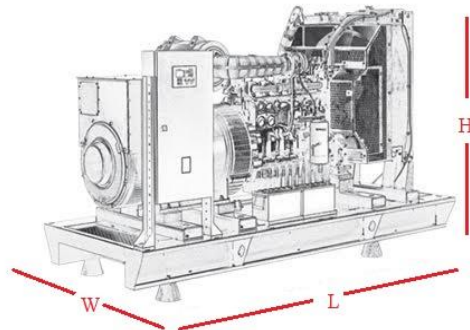
OPEN VERSION					CANOPY VERSION			
Width(mm)	Length(mm)	Height(mm)	Dry Weight (kg)	Fuel Tank Capacity (lt.)	Width(mm)	Length(mm)	Height(mm)	Dry Weight (kg)
1000	1750	1130	683	95	1060	2220	1450	920

* 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

* 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)

* Full remote communications support (AirGate 2.0, WSV)

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

* User buttons

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