TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED

GENSTAR the energy

ALFA			GSG - P110	
Standby Power	kVA	110	**Engine Speed** 1500 rpm	**Power Factor** 0,8 Cos Phi
	kW	88		
Prime Power	kVA	100	**Voltage** 400 / 230 V	
	KW	80		

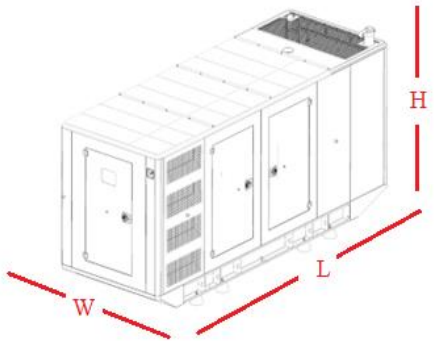
ENGINE

Brand		PERKINS
Power PRP	*kW*	90,1
Model		1104C-44TAG2
N° of Cylinders / Valves		4/8
Engine Type		4
Displacement	*lt*	4.41
Aspiration		Turbocharged - Air to air cooled
Bore x Stroke	*mm*	105x127
Compression Ratio		18.2:1
Air Filter		Heavy Duty
Cooling Method		Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	*lt*	12.6
Governor Type		Electronic
Electrical System		12VDC
Battery Charger Current		65A
Oil Capacity	*lt*	8
Exhaust Gas Flow PRP	*[m3 / min]*	15,2
Exhaust Gas Temp.	*[°C]*	514
Air Flow PRP	*[m3/min]*	6,01
Cooling Air Flow PRP	*[m3/min]*	165.6
Starter Power	*(kW)*	3 kW
Standard Battery Voltage	*[V]*	12VDC
Standard Battery Capacity		1X75Ah
Standard Battery Type		Maintenance-Free Lead Acid

FUEL CONSUMPTION (lt/h)

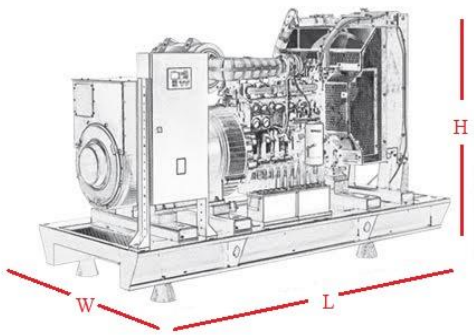
%110 ESP	24,9
%100 PRP	22,6
%75 PRP	17,1
%50 PRP	11,8

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



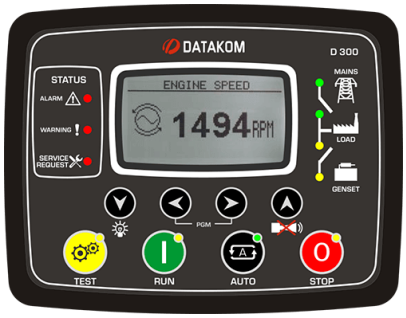
ALTERNATOR

Brand	LINZ
Model	PRO22S D/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)*	92.7
Voltage Regulation	±%1
THD	<%3
Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC	100



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)**
1100	2150	1210	1105	174	1160	2910	1720	1420

TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED



* 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
InteliConfig
* Load shedding, dummy load management
User buttons
* User buttons
* Geofencing based on GPS position
* Available also in low temperature version (Order code: