TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED

GEN**STAR**
the energy

ALFA				GSG - P550	
Standby Power	kVA	550	**Engine Speed**	**Power Factor**	
	kW	440	1500 rpm	0,8 Cos Phi	
Prime Power	kVA	500	**Voltage**		
	KW	400	400 / 230 V		

ENGINE

Brand		PERKINS
Power PRP	kW	435
Model		2506A-E15TAG2
N° of Cylinders / Valves		6/24
Engine Type		4
Displacement	lt	15.2
Aspiration		Turbocharged - Air to air cooled
Bore x Stroke	mm	137x171
Compression Ratio		16:1
Air Filter		Heavy Duty
Cooling Method		Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	lt	58
Governor Type		ECM (Engine Control Modul)
Electrical System		24VDC
Battery Charger Current		70A
Oil Capacity	lt	62
Exhaust Gas Flow PRP	[m3 / min]	94
Exhaust Gas Temp.	[°C]	550
Air Flow PRP	[m3/min]	35.8
Cooling Air Flow PRP	[m3/min]	722
Starter Power	(kW)	7,5
Standard Battery Voltage	[V]	24VDC
Standard Battery Capacity		2x105Ah
Standard Battery Type		Maintenance-Free Lead Acid

## FUEL CONSUMPTION (lt/h)

%110 ESP	111
%100 PRP	100
%75 PRP	76
%50 PRP	53

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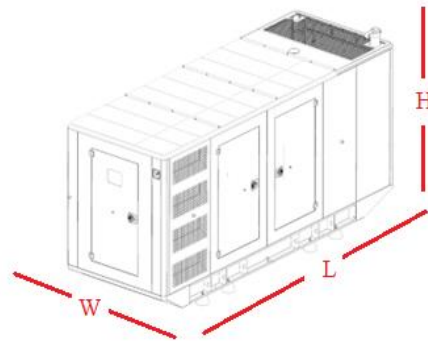
ALTERNATOR

Brand	LINZ
Model	PRO35S 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)	96.1
Voltage Regulation	±%1
THD	<%3
Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC	500
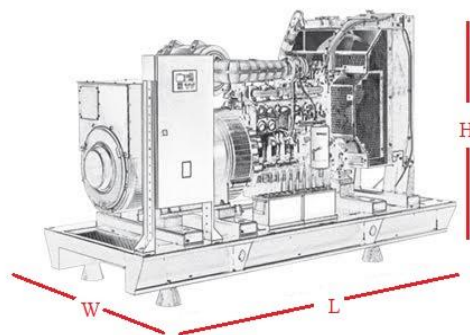
OPEN VERSION					CANOPY VERSION			
Width(mm)	Length(mm)	Height(mm)	Dry Weight (kg)	Fuel Tank Capacity (lt.)	Width(mm)	Length(mm)	Height(mm)	Dry Weight (kg)
1650	3750	2205	3798	1130	1710	4710	2560	4880
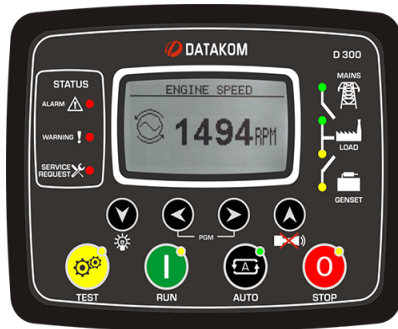
* Diesel and gas genset support
* 400Hz operaton support
* Downloadable languages
* Harmonic analysis of V & I
* Weekly operaton schedule
* Dual mutual standby wth equal agng of gensets
* Overload IDMT protecton
* Current unbalance protecton
* Fuel filling & fuel theft alarms
* Battery back-up real tme 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: