GEN STAR
the energy

ALFA				GSG - P340	
Standby Power	kVA	340	**Engine Speed**	**Power Factor**	
	kW	272	**1500 rpm**	**0,8 Cos Phi**	
Prime Power	kVA	310	**Voltage**		
	KW	248	**400 / 230 V**		

ENGINE

Brand		PERKINS
Power PRP	kW	267
Model		1506A-E88TAG5
N° of Cylinders / Valves		6/24
Engine Type		4
Displacement	lt	8.8
Aspiration		Turbocharged - Air to air cooled
Bore x Stroke	mm	112x149
Compression Ratio		16.1:1
Air Filter		Heavy Duty
Cooling Method		Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	lt	33.2
Governor Type		ECM (Engine Control Modul)
Electrical System		24VDC
Battery Charger Current		45A
Oil Capacity	lt	41
Exhaust Gas Flow PRP	[m3 / min]	41,5
Exhaust Gas Temp.	[°C]	561
Air Flow PRP	[m3/min]	17
Cooling Air Flow PRP	[m3/min]	370
Starter Power	(kW)	6 kW
Standard Battery Voltage	[V]	24VDC
Standard Battery Capacity		2x75Ah
Standard Battery Type		Maintenance-Free Lead Acid

FUEL CONSUMPTION (lt/h)

| %110 ESP	73,1
%100 PRP	64,9
%75 PRP	48,2
%50 PRP	33

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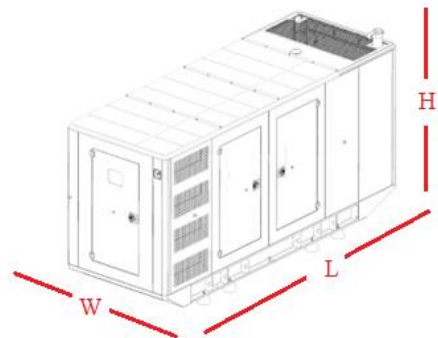
ALTERNATOR

Brand	LINZ
Model	PRO28M E/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	<%4
Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC	330
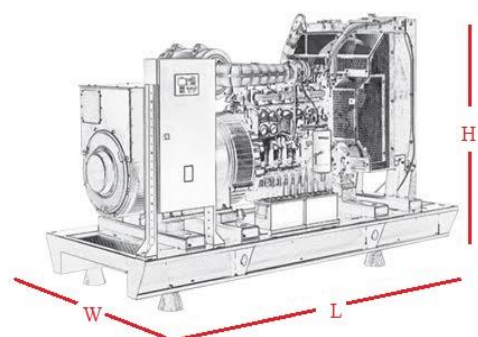
OPEN VERSION					CANOPY VERSION			
Width(mm)	Length(mm)	Height(mm)	Dry Weight (kg)	Fuel Tank Capacity (lt.)	Width(mm)	Length(mm)	Height(mm)	Dry Weight (kg)
1450	3450	1820	2915	780	1510	4370	2205	3310
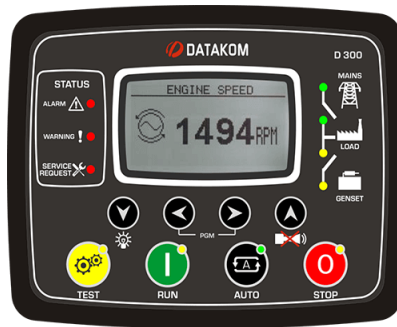
* Diesel and gas genset support
* 400Hz operaton support
* Downloadable languages
* Harmonic analysis of V & I
* Weekly operaton schedule
* Dual mutual standby wth equal agng of gensets
* Overload IDMT protecton
* Current unbalance protecton
* Fuel filling & fuel theft alarms
* Battery back-up real tme 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: