TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED

GENSTAR the energy

ALFA			GSG - P300	
Standby Power	kVA	300	**Engine Speed**	**Power Factor**
	kW	240	1500 rpm	0,8 Cos Phi
Prime Power	kVA	280	**Voltage**	
	KW	224	400 / 230 V	

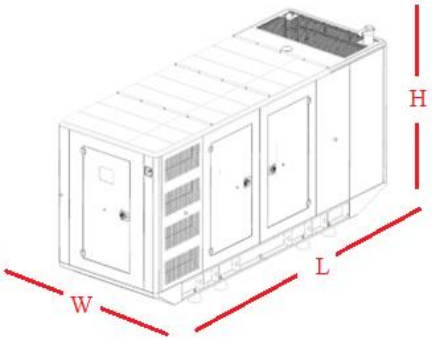
ENGINE

Brand		PERKINS
Power PRP	*kW*	245
Model		1506A-E88TAG4
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]*	574
Air Flow PRP	*[m3/min]*	15.1
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)

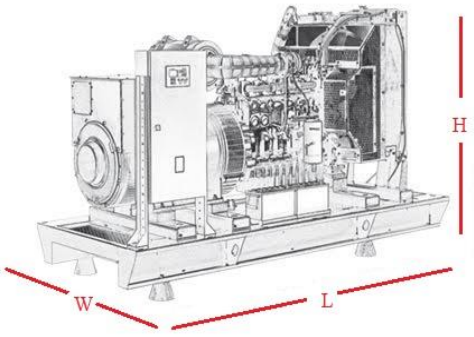
%110 ESP	66,3
%100 PRP	60,2
%75 PRP	45,8
%50 PRP	31,6

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



ALTERNATOR

Brand		LINZ
Model		PRO28S 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		5/6
Control System		Self Excited
Voltage Regulator		Electronic AVR
Efficiency 4/4 400VAC 50Hz	*(cosφ=1)*	94.2
Voltage Regulation		±%1
THD		<%3,1
Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC		280



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	2010	460	1260	4094	2063	2692

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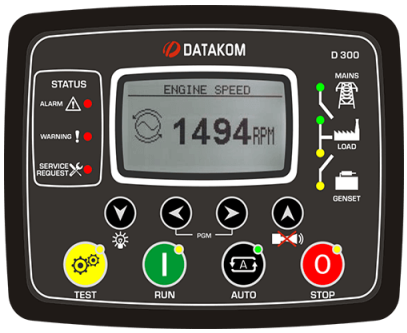

* Diesel and gas genset support
* 400Hz operaton support
* Downloadable languages
* Harmonic analysis of V & I
* Weekly operaton schedule
* Dual mutual standby wth equal agng of gensets
* Overload IDMT protecton
* Current unbalance protecton
* Fuel filling & fuel theft alarms
* Battery back-up real tme 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: