

**TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED**



ALFA			GSG - P22	
Standby Power	kVA	22	Engine Speed	Power Factor
	kW	17,6	1500 rpm	0,8 Cos Phi
Prime Power	kVA	20	Voltage	
	kW	16	400 / 230 V	

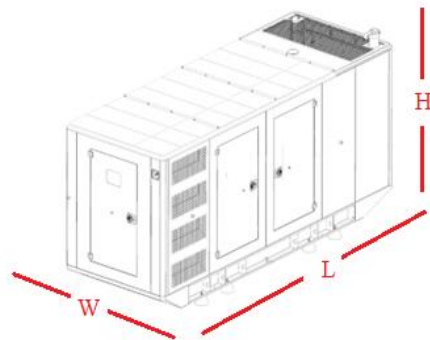
ENGINE

Brand		PERKINS
Power PRP	kW	18,4
Model		404A-22G1
N° of Cylinders / Valves		4/8
Engine Type		4
Displacement	lt	2,216
Aspiration		Natural
Bore x Stroke	mm	84 X 100
Compression Ratio		23,3:1
Air Filter		Heavy Duty
Cooling Method		Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	lt	7
Governor Type		Mechanical
Electrical System		12VDC
Battery Charger Current		15A
Oil Capacity	lt	10,6
Exhaust Gas Flow PRP	[m3 / min]	3,64
Exhaust Gas Temp.	[°C]	445
Air Flow PRP	[m3/min]	1,45
Cooling Air Flow PRP	[m3/min]	0,67
Starter Power	(kW)	2 kW
Standard Battery Voltage	[V]	12VDC
Standard Battery Capacity		1x60 Ah
Standard Battery Type	[m3/min]	Maintenance-Free Lead Acid

FUEL CONSUMPTION (lt/h)

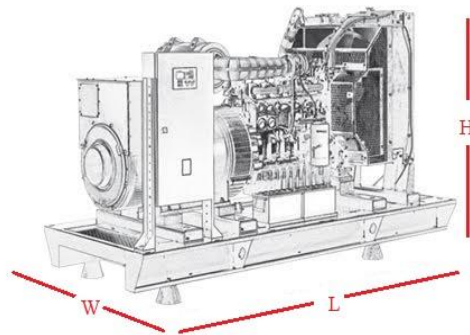
%110 ESP	6,1
%100 PRP	5,3
%75 PRP	4
%50 PRP	2,9

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



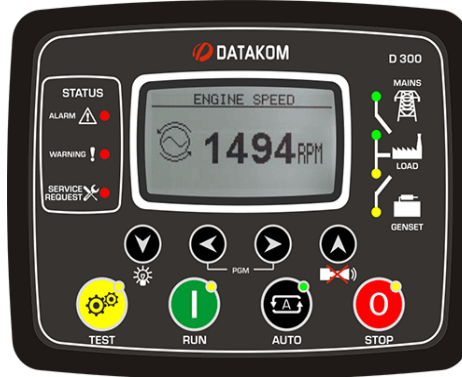
ALTERNATOR

Brand		LINZ
Model		SLT18 MD
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)	89,1
Voltage Regulation		±%1
THD		<%3
Apparent Power [kVA] Prime 400VAC 50Hz		20
	125°C/40°C	



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)
900	1550	1000	528	62 (lt)	960	2043	1283	720

TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED



- * Diesel and gas genset support
- * 400Hz operation support
- * Downloadable languages
- * Harmonic analysis of V & I
- * Weekly operation schedule
- * Dual mutual standby with equal aging of gensets
- * Overload IDMT protection
- * Current unbalance protection
- * Fuel filling & fuel theft alarms
- * Battery back-up real time clock

- * Idle speed control
- * Contactor & MCB drive
- * Fuel filling counters
- * Fuel consumption counter
- * Automatic GSM geo-location
- * Reverse power protection
- * Free configuration program
- * Mobile genset support
- * 3 level configuration password
- * Ip65 rating with optional 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
- * Inbuilt RS485
- * 2 slots for extension plug-in modules (Modbus, Internet, SMS, inputs/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 IntelliConfig
- * Load shedding, dummy load management
- * User buttons
- * Geofencing based on GPS position
- * Available also in low temperature version (Order code: ...)