

TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED



ALFA			GSG - P720	
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Standby Power	kVA	720	Engine Speed	Power Factor
	kW	576	1500 rpm	0,8 Cos Phi
Prime Power	kVA	670	Voltage	
	KW	536	400 / 230 V	

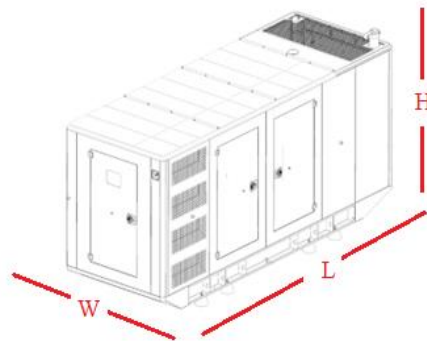
ENGINE

Brand	PERKINS
Power PRP	565 kW
Model	2806A-E18TAG2
N° of Cylinders / Valves	6/24
Engine Type	4
Displacement	18.1 lt
Aspiration	Turbocharged - Air to air cooled
Bore x Stroke	145x183 mm
Compression Ratio	14.5:1
Air Filter	Heavy Duty
Cooling Method	Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	61 lt
Governor Type	ECM (Engine Control Modul)
Electrical System	24VDC
Battery Charger Current	70A
Oil Capacity	62 lt
Exhaust Gas Flow PRP	106 [m3 / min]
Exhaust Gas Temp.	555 [°C]
Air Flow PRP	37 [m3/min]
Cooling Air Flow PRP	702 [m3/min]
Starter Power	9 (kW)
Standard Battery Voltage	24VDC [V]
Standard Battery Capacity	2x105Ah
Standard Battery Type	Maintenance-Free Lead Acid

FUEL CONSUMPTION (lt/h)

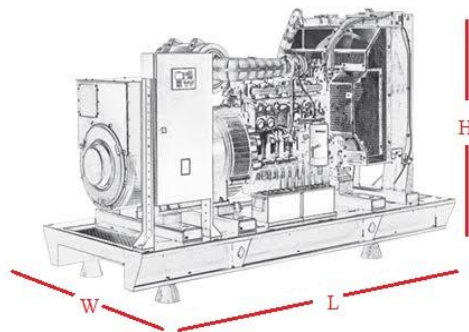
%110 ESP	143
%100 PRP	132
%75 PRP	97
%50 PRP	66

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



ALTERNATOR

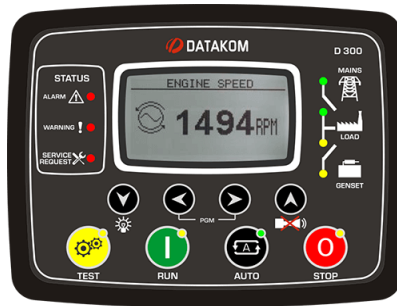
Brand	LINZ
Model	PRO35M F/4
Voltage	400 /230 VAC
Number of Phase	3
Power Factor	0.8
Number of Poles	4
Connection Type	Star
Bearing	Single
Insulation Class	H
Protection Class	IP 23
Winding	2/3
Control System	Self Excited
Voltage Regulator	Electronic AVR
Efficiency 4/4 400VAC 50Hz	95.9 (cosφ=1)
Voltage Regulation	±%1
THD	<%3
Apparent Power [kVA] Prime 400VAC 50Hz 125°C/40°C	670



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	4350	1130	1710	4710	2560	5590

**TECHNIQUE INFORMATION
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GENSTAR
the energy



- * 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
 - * User buttons
 - * Geofencing based on GPS position
 - * Available also in low temperature version (Order code: