TECHNIQUE INFORMATION
DIESEL GENERATORS
GSG ALFA DIESEL ENGINE POWERED

GENSTAR the energy

ALFA			GSG - C220	
Standby Power	kVA	220	Engine Speed	Power Factor
	kW	176	1500 rpm	0,8 Cos Phi
Prime Power	kVA	200	Voltage	
	KW	160	400 / 230 V	

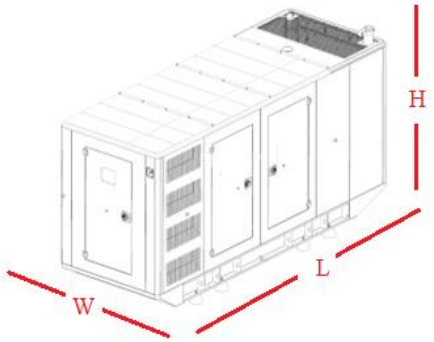
ENGINE

Brand		CUMMINS
Power PRP	*kW*	182
Model		QSB7-G5
N° of Cylinders / Valves		6
Engine Type		4
Displacement	*lt*	6369
Aspiration		Turbocharger and Aftercooler System
Bore x Stroke	*mm*	107x124
Compression Ratio		17.2:1
Air Filter		Heavy Duty
Cooling Method		Water Cooled (water + %50 antifreeze)
Total Coolant Capacity	*lt*	17
Governor Type		Electronic
Electrical System		12VDC
Battery Charger Current		100
Oil Capacity	*lt*	18,9
Exhaust Gas Temp.	*[L/s]*	569
Air Flow PRP	*[C]*	≤544
Cooling Air Flow PRP	*[L/s]*	205
Starter Power	*[m3/s]*	4
Starter Power	*(kW)*	TBA
Standard Battery Voltage		12 VDC
Standard Battery Capacity		1X105Ah
Standard Battery Type		Maintenance-Free Lead Acid

FUEL CONSUMPTION (lt/h)

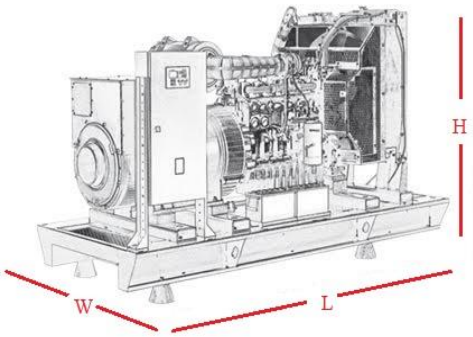
%110 ESP	51
%100 PRP	45
%75 PRP	36
%50 PRP	26

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



ALTERNATOR

Brand		LINZ
Model		PRO28SB/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)*	93,6
Voltage Regulation		±%1
THD		<%5
Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC		200



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)
1100	2650	1550	TBA	294	1160	3470	1950	TBA

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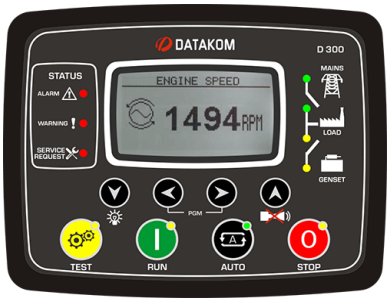

* Diesel and gas genset support
* 400Hz operaton support
* Downloadable languages
* Harmonic analysis of V & I
* Weekly operaton schedule
* Dual mutual standby wth equal agng of gensets
* Overload IDMT protecton
* Current unbalance protecton
* Fuel filling & fuel theft alarms
* Battery back-up real tme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

* Load shedding, dummy load management
User buttons
* User buttons
* Geofencing based on GPS position
* Available also in low temperature version (Order code: