**GENSTAR** the energy

| ALFA | | | | GSG - P90 | |
|---|---|---|---|---|---|
| **Standby Power** | kVA | **90** | **Engine Speed** | **Power Factor** | |
| | kW | **72** | **1500 rpm** | **0,8 Cos Phi** | |
| **Prime Power** | kVA | **81** | **Voltage** | | |
| | KW | **64,8** | **400 / 230 V** | | |

## ENGINE

| | | |
|---|---|---|
| Brand | | PERKINS |
| Power PRP | kW | 71,9 |
| Model | | 1104A-44TG2 |
| N° of Cylinders / Valves | | 4/8 |
| Engine Type | | 4 |
| Displacement | lt | 4.4 |
| Aspiration | | Turbocharged |
| Bore x Stroke | mm | 105x127 |
| Compression Ratio | | 17,25:1 |
| Air Filter | | Heavy Duty |
| Cooling Method | | Water Cooled (water + %50 antifreeze) |
| Total Coolant Capacity | lt | 13 |
| Governor Type | | Mechanical |
| Electrical System | | 12VDC |
| Battery Charger Current | | 65A |
| Oil Capacity | lt | 8 |
| Exhaust Gas Flow PRP | [m3 / min] | 12,5 |
| Exhaust Gas Temp. | [°C] | 555 |
| Air Flow PRP | [m3/min] | 4,8 |
| Cooling Air Flow PRP | [m3/min] | 89 |
| Starter Power | (kW) | 3 kW |
| Standard Battery Voltage | [V] | 12VDC |
| Standard Battery Capacity | | 1X75Ah |
| Standard Battery Type | | Maintenance-Free Lead Acid |

## FUEL CONSUMPTION (lt/h)
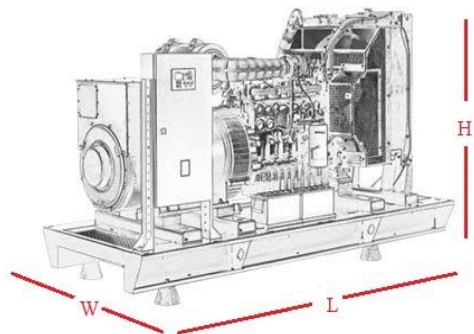
| | |
|---|---|
| %110 ESP | 20,5 |
| %100 PRP | 18,7 |
| %75 PRP | 14 |
| %50 PRP | 9,7 |

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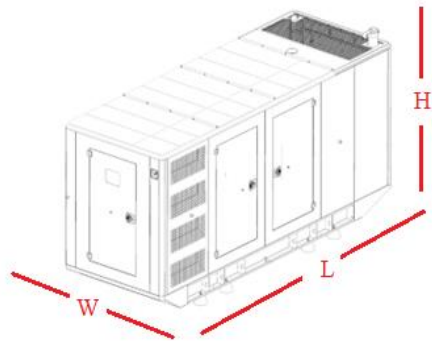


## ALTERNATOR

| | |
|---|---|
| Brand | LINZ |
| Model | PRO22S C/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) | 92.5 |
| Voltage Regulation | ±%1 |
| THD | <%3 |
| Appearent Power [kVA] Prime 400VAC 50Hz 125ºC/40ºC | 85 |



| 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 | 2150 | 1210 | 959 | 174 | 1160 | 2910 | 1720 | 1330 |
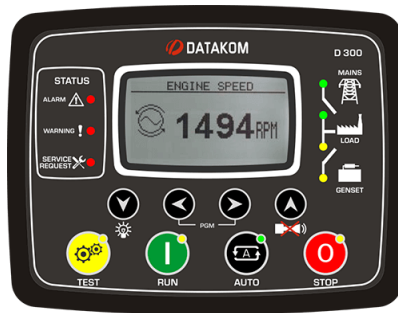
* Diesel and gas genset support
* 400Hz operaton support
* Downloadable languages
* Harmonic analysis of V & I
* Weekly operaton schedule
* Dual mutual standby wth equal agng of gensets
* Overload IDMT protecton
* Current unbalance protecton
* Fuel filling & fuel theft alarms
* Battery back-up real tme 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

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* 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: