

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



| ALFA | | | GSG - P74 | |
|----------------------|-----|------|---------------------|---------------------|
| Standby Power | kVA | 74 | Engine Speed | Power Factor |
| | kW | 59,2 | 1500 rpm | 0,8 Cos Phi |
| Prime Power | kVA | 66 | Voltage | |
| | kW | 52,8 | 400 / 230 V | |

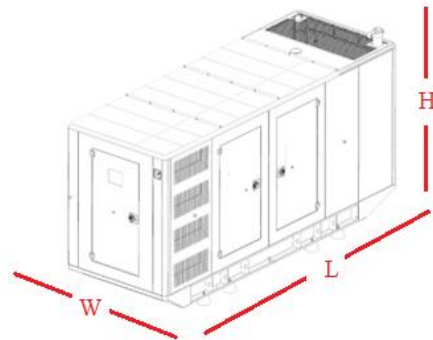
ENGINE

| | | |
|---------------------------|------------|---------------------------------------|
| Brand | | PERKINS |
| Power PRP | kW | 58.4 |
| Model | | 1104A-44TG1 |
| 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] | 10,5 |
| Exhaust Gas Temp. | [°C] | 515 |
| Air Flow PRP | [m3/min] | 4 |
| 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)

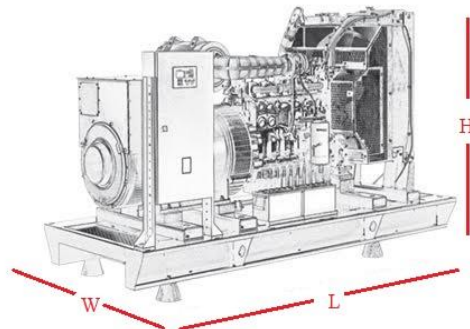
| | |
|----------|------|
| %110 ESP | 16,5 |
| %100 PRP | 14,8 |
| %75 PRP | 11,2 |
| %50 PRP | 8 |

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



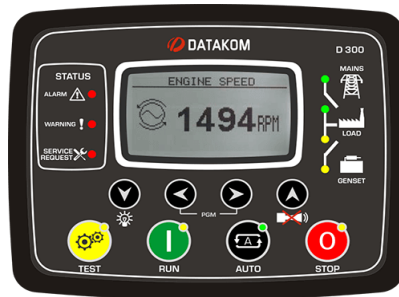
ALTERNATOR

| | | |
|--|------------|----------------|
| Brand | | LINZ |
| Model | | PRO22S B/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 |
| Apparent Power [kVA] Prime 400VAC 50Hz | | 75 |
| | 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) |
| 1100 | 2150 | 1210 | 919 | 174 | 1160 | 2910 | 1720 | 1290 |

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