

LG138P Powered by Perkins

| Model | Frequency/RPM | Standby Power | Prime Power |
|--------|---------------|---------------|-------------|
| LG138P | 50Hz/1500RPM | 110KW | 100KW |
| | | 137.5KVA | 125KVA |

* Voltages: 230/400V

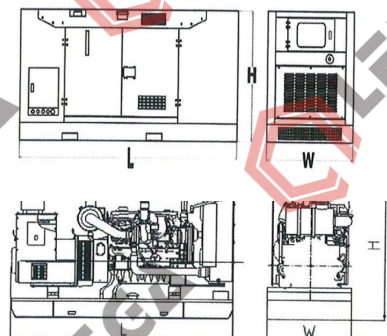
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature \leq 40°C. If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

General Characteristics

| | |
|--------------------|---------------------|
| Model | LG138P |
| Engine | Perkins 1106A-70TG1 |
| Alternator | Stamford or Lega |
| Speed Control Type | Electrical |
| Phase | 3 |
| System Voltage | 12 |
| Frequency | 50Hz |
| Engine Speed(RPM) | 1500 |
| Controller Model | |

Dimensions

| DIMENSION | OPEN TYPE | SILENT TYPE |
|-----------------|-----------|-------------|
| Length (L) | 2400mm | 3200mm |
| Width (W) | 1000mm | 1080mm |
| Height (H) | 1600mm | 2000mm |
| Net Weight (KG) | 1400KG | 2170kg |



| Engine Specification | | |
|---------------------------------------|---|------|
| Brand | Perkins | |
| Model | 1106A-70TG1 | |
| No. of Cylinders and Cycle | 6L, 4 Stroke | |
| Compression Ratio | 18.2:1 | |
| Displacement (L) | 7.01 | |
| Bore x Stroke (mm) | 105x 135 | |
| Piston Speed (m/s) | 6.8 | |
| Air Intake Flow (m ³ /min) | 7.64 | |
| Exhaust Flow (m ³ /min) | 20.75 | |
| Net Engine Weight (kg) | 725 | |
| Starting System | Electronic | |
| Engine Coolant Flow (L/min) | 142 | |
| Base Output Power (kW) | 118.3 | |
| Fuel Consumption (L/h) | 110% load | 32.9 |
| | 100% load | 29.9 |
| | 75% load | 22.1 |
| | 50% load | 15.6 |
| Cooling System | Max.coolant cycling resistance exterior engine(kPA) | |
| | Thermostat adjusting temperature (°C) | |
| | Minimum Pressure of Radiator Cap (kPA) | 100 |
| | Coolant capacity-engine only(L) | 9.5 |
| Fuel System | Fuel injection pump model | |
| | Maximum Restriction at Lift Pump (kPa) | |
| | Maximum Fuel Inlet Temperature (°C) | 46 |
| | Total Drain Flow (constant for all loads) (L/h) | |
| Lubricating System | Low idle (kPA) | |
| | Rated speed (kPA) | |
| | Max. oil temperature permitted in oil pan (°C) | 125 |
| | Lubrication system Min. capacity (L) | 12.4 |
| Exhaust System | Max. Back Pressure (kPA) | 6 |
| Electrical System | Starter (V) | 12 |
| | Battery charging system (A) | |

Alternator Specification

| | | |
|--------------------------------|-----|--------------------------------|
| Poles | No. | 4 |
| Connection type (standard) | | Series Star |
| Insulation | | Class" H" |
| Enclosure (according IEC-34-5) | | IP23 |
| Exciter system | | Self-excited |
| Voltage regulator | | A.V.R. (Electronic) |
| Bracket type | | Single bearing |
| Coupling system | | Flexible disc |
| Coating type | | Standard (Vacuum impregnation) |

*Alternator meets BS EN 60034 and the relevant section of other international standards such as BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2 and AS1359.

Options

Engine

- Jacket Water Preheater
- Oil Preheater

Generator Sets

- Tools with the machine

Fuel System

- Low fuel level alarm
- Automatic fuel feeding system
- Fuel T-valves

Control Panel

- Remote control panel
- ATS
- Remote controller
- Synchronizing controller

Alternator

- Winding temperature measuring instrument
- Alternator Preheater
- Anti-damp and anti-corrosion treatment
- Anti-condensation heater

Canopy

- Rental type canopy
- Trailer

Exhaust System

- Protection board from heat

Cooling System

- Front heat protection
- Coolant (-30°C)

Lubricating System

- With machine oil

Note: This drawing is provided for reference only and should not be used for planning installation. Contact your

Standard Controller (ComAp AMF20 or DEEPSEA DSE6020)

| | | |
|---------------------------|--|--|
| Control | <ul style="list-style-type: none"> Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank |  |
| Indications | <ul style="list-style-type: none"> Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVAr, kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) | AMF IntelliLite 9 |
| Warning & Shutdown Alarms | <ul style="list-style-type: none"> Alarm (Acknowledge) Generator Over/Under Voltage & Frequency Crank Disconnect (Failure to Start) Under/Over Speed Over Current Low oil pressure High Water Temperature Low Fuel Level Low Water Level |  |
| Features | <ul style="list-style-type: none"> IP 65 (if ordered with gasket) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns) | DSE6020 |

All data is subject to change without notice. Sorry for inform.

Distributed By:

Fujian Everstrong Lega Power Equipments Co., Ltd
 Fuqing Hong Kuan Industry Zone, Fuzhou, Fujian
 Province, China
 Tel: +86-591-8385 3032
 Fax: +86-591-8385 3130
 Email: sales@legapower.com
 Web: www.legapower.com



We are always Available