

LG1375 Powered by Perkins

| Model | Frequency/RPM | Standby Power | Prime Power |
|---------|---------------|---------------|-------------|
| LG1375P | 60Hz/1800RPM | 1100KW | 1000KW |
| | | 1375KVA | 1250KVA |

* Voltages: 254/440V

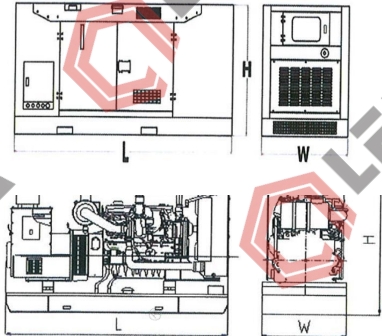
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

| | |
|--------------------|----------------------|
| Model | LG1375P |
| Engine | Perkins 4012-46TWG2A |
| Alternator | Stamford or Lega |
| Speed Control Type | Electrical |
| Phase | 3 |
| System Voltage | 24 |
| Frequency | 60Hz |
| Engine Speed(RPM) | 1800 |

Dimensions

| DIMENSION | OPEN TYPE | SILENT TYPE |
|-----------------|-----------|-------------|
| Length (L) | | 12192mm |
| Width (W) | | 2438mm |
| Height (H) | | 2896mm |
| Net Weight (KG) | | 16200KG |



Engine Specification

| | | |
|----------------------------|--------------------|-----|
| Brand | Perkins | |
| Model | 4012-46TWG2A | |
| No. of Cylinders and Cycle | 12 ,60°V, 4 Stroke | |
| Compression Ratio | 13.6:1 | |
| Displacement (L) | 45.842 | |
| Bore x Stroke (mm) | 160 x190 | |
| Piston Speed (m/s) | 11.4 | |
| Air Intake Flow (m³/min) | 109 | |
| Exhaust Flow (m³/min) | 235 | |
| Net Engine Weight (kg) | 5220 | |
| Starting System | Electronic | |
| Engine Coolant Flow (L/s) | 17.77 | |
| Base Output Power (kW) | 1055 | |
| Fuel Consumption (L/h) | 110% load | 298 |
| | 100% load | 266 |
| | 75% load | tbc |
| | 50% load | tbc |

| | | |
|--------------------|-------------------------------------------------|--------|
| | Minimum Pressure of Radiator Cap (kPA) | 70 |
| | Coolant capacity-engine only(L) | 73 |
| Fuel System | Fuel injection pump model | Delphi |
| Lubricating System | Low idle (kPA) | 340 |
| | Rated speed (kPA) | 450 |
| | Max. oil temperature permitted in oil pan (°C) | 105 |
| | Lubrication system Min. capacity (L) | 115 |
| Exhaust System | Max. Back Pressure (kPA) | 5 |
| Electrical System | Starter (V) | 24 |

Alternator Specification

| | | |
|----------------------------|-----|-------------|
| Poles | No. | 4 |
| Connection type (standard) | | Series Star |
| Insulation | | Class" H" |

| | | |
|-------------------|--|--------------------------------|
| 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



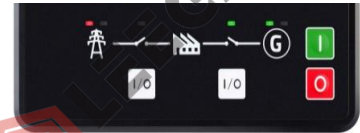
Standard Controller (ComAp AMF20 or DEEPSEA DSE6020)

Control

- Auto/Start/Stop Control
- Emergency Stop Pushbutton/ Alarm
- Engine Cool Down Timer
- Warm up Timer



Load Switching Timer
Engine Cycle Crank



AMF IntelliLite 9

Indications

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)
Alarm (Acknowledge)



DSE6020

Warning & Shutdown Alarms

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

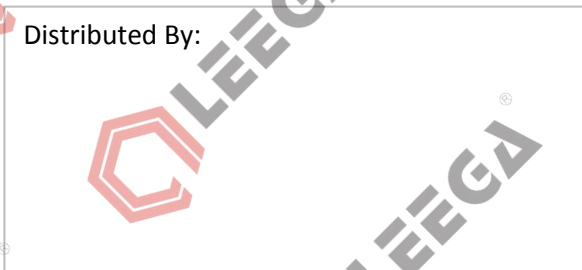
IP 65 (if ordered with gasket)
Basic Scheduler
8 - 35V DC Supply
Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)
Event Log (5 shutdowns)

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



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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