

LG660P Powered by Cummins

| Model | Frequency/RPM | Standby Power | Prime Power |
|--------|---------------|---------------|-------------|
| LG660P | 50Hz/1500RPM | 528KW | 480KW |
| | | 660KVA | 600KVA |

* Voltages: 230/400V

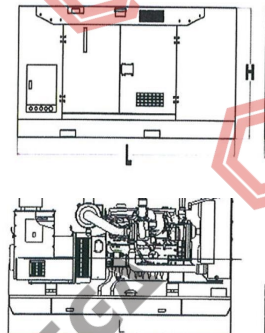
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

| | |
|--------------------|--------------------------------------|
| Model | LG660P |
| Engine | Perkins 2806C-E18TAG1A |
| Alternator | Stamford or Lega |
| Speed Control Type | Electrical |
| Phase | 3 |
| System Voltage | 24 |
| Frequency | 50Hz |
| Engine Sped(RPM) | 1500 |
| Controller Model | AMF IntelliLite 9 or DEESEA DSE6020) |

Dimensions

| DIMENSION | OPEN TYPE | SILENT TYPE |
|-----------------|-----------|-------------|
| Length (L) | 3450mm | 4750mm |
| Width (W) | 1550mm | 1760mm |
| Height (H) | 2010mm | 2524 mm |
| Net Weight (KG) | 4300KG | 5950KG |





Engine Specification

| | | |
|----------------------------|----------------|-----|
| Brand | Perkins | |
| Model | 2806C-E18TAG1A | |
| No. of Cylinders and Cycle | 6L, 4 Stroke | |
| Compression Ratio | 14.5:1 | |
| Displacement (L) | 18.13 | |
| Bore x Stroke (mm) | 145 x 183 | |
| Piston Speed (m/s) | 8 | |
| Air Intake Flow (L/s) | 666.67 | |
| Exhaust Flow (L/s) | 1833.33 | |
| Net Engine Weight (kg) | 2050 | |
| Starting System | Electronic | |
| Engine Coolant Flow (L/s) | 6.1 | |
| Base Output Power (kW) | 532 | |
| Fuel Consumption (L/h) | 110% load | 135 |
| | 100% load | 129 |
| | 75% load | 96 |
| | 50% load | 63 |

| | | |
|--------------------|---|-------|
| Cooling System | Thermostat adjusting temperature (°C) | 88-98 |
| | Minimum Pressure of Radiator Cap (kPA) | 70 |
| Lubricating System | Low idle (kPA) | 200 |
| | Rated speed (kPA) | 610 |
| | Max. oil temperature permitted in oil pan (°C) | 113 |
| | Lubrication system Min. capacity (L) | 45 |
| Exhaust System | Max. Back Pressure (kPA) | 6.9 |
| Electrical System | Starter (V) | 24 |
| | Battery charging system (A) | 70 |



Alternator Specification

| | | |
|----------------------------|---------------------|---|
| Poles | No. | 4 |
| Connection type (standard) | VOLTAGE SERIES STAR | |

| | | |
|--------------------------------|---|-----------------------------|
| Enclosure (according IEC-34-5) | | IP23 |
| Exciter system | ⊗ | P.M.G. |
| Voltage regulator | | A.V.R. (Electronic) |
| Bracket type | | Single bearing |
| Coupling system | | Flexible disc |
| Coating type | ⊗ | Standard (Vacuum impregnati |

*Alternator meets BS EN 60034 and the relevant section of other international standards such as BS5000, VDE 0530, NEMA MG1-32, IEC34, C, 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 instrumer
- 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



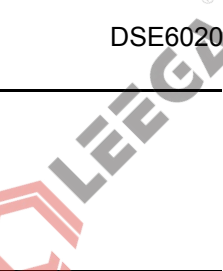
Note: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more information.



Standard Controller (ComAp AMF20 or DEEPSEA DSE6020)

Auto/Start/Stop Control
Emergency Stop Pushbutton/ Alarm

IntelliLite 9

| | | |
|---------------------------|---|--|
| Control | Warm - up Timer Load Switching Timer Engine Cycle Crank |  |
| Indications | Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVA _r , kWh, kVA _h , pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge) | AMF Intelli  |
| 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 | DSE6020  |
| 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.

Distributed By:



Fujian Everstrong Lega Power Equipmer
 Fuqing Hong Kuan Industry Zone, Fuzhou
 Provi
 Tel: +86-591-
 Fax: +86-591-
 Email: sales@legap
 Web: www.legap

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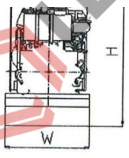
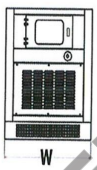
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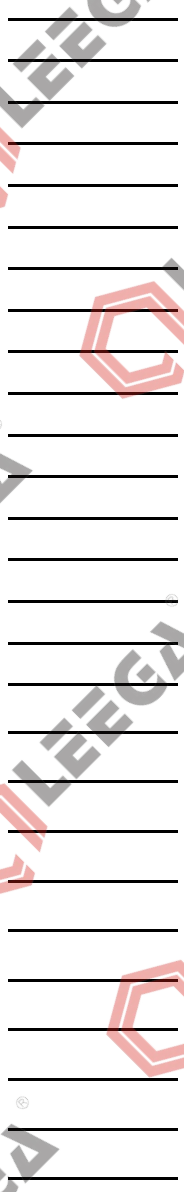
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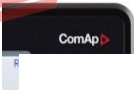
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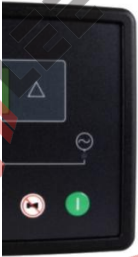
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