

LG550P Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG550P	50Hz/1500RPM	440KW	400KW
		550KVA	500KVA

* Voltages: 230/400V

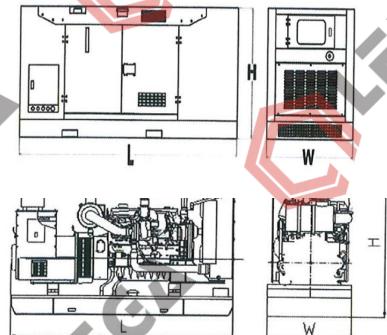
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG550P
Engine	Perkins 2506C-E15TAG2
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 DEEPSEA DSE6020)

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	3450mm	4650mm
Width (W)	1150mm	1400mm
Height (H)	2010mm	2260mm
Net Weight (KG)	3840mm	4870KG





Engine Specification

Brand	Perkins	
Model	2506C-E15TAG2	
No. of Cylinders and Cycle	6L, 4 Stroke	
Compression Ratio	16:01	
Displacement (L)	15	
Bore x Stroke (mm)	137 x 171	
Piston Speed (m/s)	8	
Air Intake Flow (L/s)	596.67	
Exhaust Flow (L/s)	1566.67	
Net Engine Weight (kg)	1633	
Starting System	Electronic	
Engine Coolant Flow (L/s)	6.1	
Base Output Power (kW)	451	
Fuel Consumption (L/h)	110% load	114
	100% load	106
	75% load	81
	50% load	55

Cooling System	Thermostat adjusting temperature (°C)	87-98
	Minimum Pressure of Radiator Cap (kPA)	69
Lubricating System	Low idle (kPA)	200
	Rated speed (kPA)	620
	Max. oil temperature permitted in oil pan (°C)	114
Exhaust System	Lubrication system Min. capacity (L)	45
	Max. Back Pressure (kPA)	6.8
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 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)

Auto/Start/Stop Control
Emergency Stop Pushbutton/ Alarm



Control	Warm - up Timer Load Switching Timer Engine Cycle Crank <hr/> Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring
Indications	Power Measurement (kW, kVA, kVA _r , kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge) <hr/> Generator Over/Under Voltage & Frequency Crank Disconnect (Failure to Start) Under/Over Speed
Warning & Shutdown Alarms	Over Current Low oil pressure High Water Temperature Low Fuel Level Low Water Level
Features	<hr/> IP 65 (if ordered with gasket) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)



AMF InteliLite 9



DSE6020

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

Distributed By:



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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