

LG450P Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG450P	50Hz/1500RPM	360KW	320KW
		450KVA	400KVA

* Voltages: 230/400V

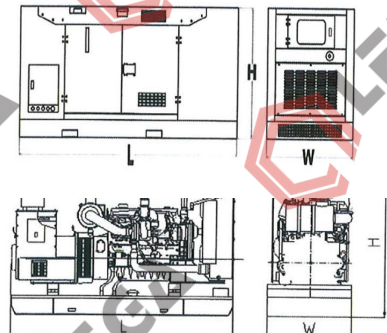
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG450P
Engine	Perkins 2206C-E13TAG3
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)	3200mm	4350mm
Width (W)	1150mm	1400mm
Height (H)	2010mm	2260mm
Net Weight (KG)	3150KG	4380KG



Engine Specification

Brand	Perkins	
Model	2206C-E13TAG3	
No. of Cylinders and Cycle	6L, 4 Stroke	
Compression Ratio	16.3:1	
Displacement (L)	12.5	
Bore x Stroke (mm)	130 x 157	
Air Intake Flow (L/s)	445	
Exhaust Flow (L/s)	1200	
Net Engine Weight (kg)	1478	
Starting System	Electronic	
Base Output Power (kW)	368.4	
Fuel Consumption (L/h)	110% load	94
	100% load	85
	75% load	65
	50% load	46

Cooling System	Thermostat adjusting temperature (°C)	87-98
	Minimum Pressure of Radiator Cap (kPA)	70
Lubricating System	Low idle (kPA)	270
	Rated speed (kPA)	358
	Max. oil temperature permitted in oil pan (°C)	113
	Lubrication system Min. capacity (L)	32.5
Exhaust System	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	70

Alternator Specification

Poles	No.	4
Connection type (standard)	VOLTAGE SERIES STAR	
Insulation	Class" H"	
Enclosure (according IEC-34-5)	IP23	

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

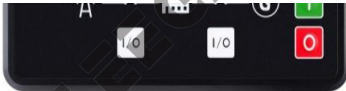



Standard Controller (ComAp AMF20 or DEEPSEA DSE6020)

Control

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



Indications	Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring 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)	 AMF IntelliLite 9
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 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