



# LG2500P

Powered by Perkins

Model	Frequency/RPM	Standby Power	Prime Power
LG2500P	50Hz/1500RPM	2000KW	1800KW
		2500KVA	2250KVA

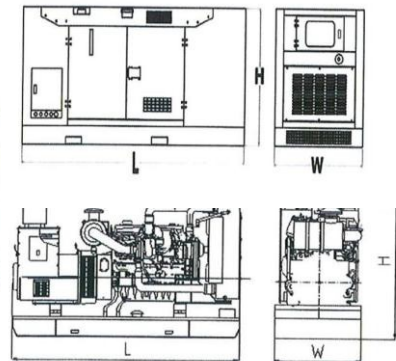
\* Voltages Available: 220/380V • 230/400V • 240/415V

- (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  $\leq$  50°C). If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

General Characteristics	
Model	LG2500P
Engine	PERKINS 4016-61TRG3
Alternator	Stamford
Speed Control Type	Electronic
Phase	3
System Voltage	24
Frequency	50Hz
Engine Sped(RPM)	1500
Controller Model	ComAp

Dimensions		
DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	6250mm	12032mm
Width (W)	2150mm	2352mm
Height (H)	2600mm	2690mm
Net Weigh (KG)	13281KG	23288KG

Photos for reference only



Engine Specification		
Brand	PERKINS	
Model	4016-61TRG3	
No. of Cylinders and Cycle	16V, 4 Stroke	
Induction System	Turbocharged	
Compression Ratio	13:1	
Displacement (L)	61.123	
Bore x Stroke (mm)	160 x 190	
Firing order	1A,1B,3A,3B,7A,7B,5A,5B,8A,8B,6A,6B,2A,2B,4A,4B	
Exhaust gas flow (maximum) (m <sup>3</sup> /min)	490	
Net Weight (kg)	5570	
Starting System	Electronic	
Engine coolant flow (minimum)(L/s)	23	
Gross engine power (kW)	1975	
Fuel Consumption (L/h)	110% load	528
	100% load	470
	75% load	344
	50% load	234

Cooling System	Total coolant capacity (Liter) (engine only)	95
	Maximum top tank temperature (°C )	98
	Pressure cap setting (kPa)	70
	Thermostat operation range (°C )	71-85
Fuel System	Type of injection	Direct injection
	Lift pump fuel delivery (L/H)	1380
	Maximum suction head (m)	2.5
	Fuel delivery pump pressure (kPa)	
Lubricating System	Maximum total system oil capacity (L)	214
	Minimum oil capacity in sum (L)	147
	Oil temperature (continuous operation) (°C )	105
Exhaust System	Max. Back Pressure (kPa)	4
Electrical System	Starter motor	16.4 kW,24 volts
	Alternator	40 amps,24 volts



Alternator Specification		
Poles	No.	4
Connection type (standard)		Star-series
Insulation		Class H
Enclosure (according IEC-34-5)		IP23
Exciter system		Self-excited, brushless
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
- PMG
- 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 (-50°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 detailed information.



**Standard Controller (ComAp)**

Control	Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer 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, kVAh, kWh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge)
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)



Min temperature environment °C: -45;  
 Max temperature environment, °C: +50;

Distributed By:



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