

# LG1875 Powered by Perkins

Model	Frequency/RPM	Standby Power	Prime Power
LG1875P	60Hz/1800RPM	1500KW	1360KW
		1875KVA	1700KVA

\* Voltages: 254/440V

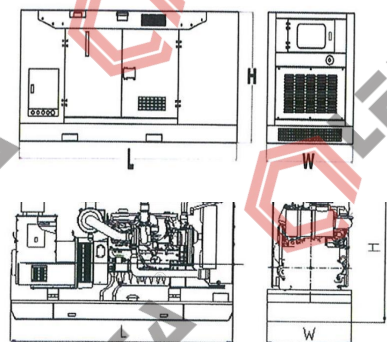
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq$  1000m, Ambient temperature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

## General Characteristics

Model	LG1875P	
Engine	Perkins 4012-46TWG3A	
Alternator	Stamford or Lega	
Speed Control Type	Electrical	
Phase	3	
System Voltage	24	
Frequency	60Hz	
Engine Speed(RPM)	1800	
Net Weight (KG)		

## Dimensions

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



### Engine Specification

Brand	Perkins	
Model	4012-46TWG3A	
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)	9.5	
Air Intake Flow (m <sup>3</sup> /min)	136	
Exhaust Flow (m <sup>3</sup> /min)	312	
Net Engine Weight (kg)	4400	
Starting System	Electronic	
Engine Coolant Flow (L/min)	1200	
Base Output Power (kW)	1436	
Fuel Consumption (L/h)	110% load	390
	100% load	356
	75% load	277
	50% load	185

	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)	400
	Max. oil temperature permitted in oil pan (°C )	105
Exhaust System	Lubrication system Min. capacity (L)	115
	Max. Back Pressure (kPA)	5
Electrical System	Starter (V)	24

### Alternator Specification

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

Enclosure (according IEC-34-5)		IP23
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

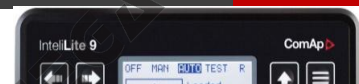
- With machine oil

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)

Auto/Start/Stop Control  
Emergency Stop Pushbutton/ Alarm



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 <sub>r</sub> , kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge)
	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
Warning & Shutdown Alarms	IP 65 (if ordered with gasket) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)
Features	



AMF InteliLite 9



DSE6020

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



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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