

LG1100 Powered by Perkins

Model	Frequency/RPM	Standby Power	Prime Power
LG1100P	60Hz/1800RPM	880KW	800KW
		1100KVA	1000KVA

* Voltages: 254/440V

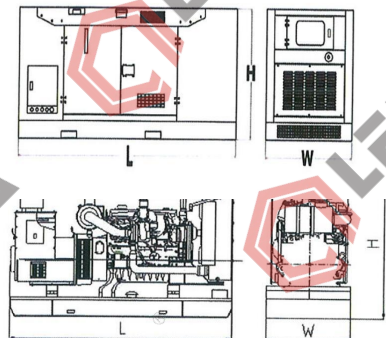
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude $\leq 1000m$, Ambient temperature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

General Characteristics

Model	LG1100P
Engine	Perkins 4008TAG2
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	24
Frequency	60Hz
Engine Speed(RPM)	1800

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)		6058mm
Width (W)		2438mm
Height (H)		2591mm
Net Weight (KG)		12500KG



Engine Specification

Brand	Perkins	
Model	4008TAG2	
No. of Cylinders and Cycle	8L, 4 Stroke	
Compression Ratio	13:01	
Displacement (L)	30.561	
Bore x Stroke (mm)	160 x190	
Piston Speed (m/s)	11.4	
Air Intake Flow (m ³ /min)	72	
Exhaust Flow (m ³ /min)	202	
Net Engine Weight (kg)	3250	
Starting System	Electronic	
Engine Coolant Flow (L/min)	720	
Base Output Power (kW)	843	
Fuel Consumption (L/h)	110% load	249
	100% load	224
	75% load	162
	50% load	108

	Minimum Pressure of Radiator Cap (kPA)	70
	Coolant capacity-engine only(L)	48
Fuel System	Fuel injection pump model	Delphi
Lubricating System	Low idle (kPA)	240
	Rated speed (kPA)	340
	Max. oil temperature permitted in oil pan (°C)	105
	Lubrication system Min. capacity (L)	127
Exhaust System	Max. Back Pressure (kPA)	6.8
Electrical System	Starter (V)	24
	Battery charging system (A)	40

Alternator Specification

Poles	No.	4
Connection type (standard)	Series Star	

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

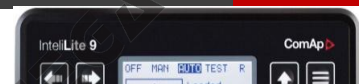
- With machine oil

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 <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.



We are always Available

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