



LG100P Powered by Perkins

Model	Frequency/RPM	Standby Power	Prime Power
LG100P	60Hz/1800RPM	80KW	72KW
		100KVA	90KVA

* Voltages: 254/440V

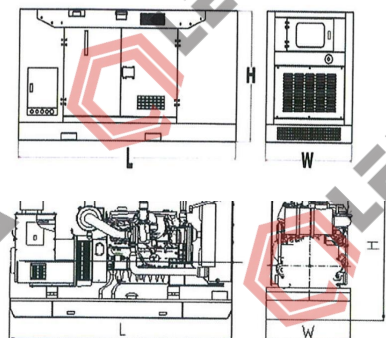
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG100P
Engine	Perkins 1104A-44TG2
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	12
Frequency	60Hz
Engine Speed(RPM)	1800

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	2000mm	2670mm
Width (W)	980mm	1080mm
Height (H)	1500mm	1875mm
Net Weight (KG)	1140KG	1640KG



Engine Specification

Brand	Perkins	
Model	1104A-44TG2	
No. of Cylinders and Cycle	4L, 4 Stroke	
Compression Ratio	17.25:1	
Displacement (L)	4.4	
Bore x Stroke (mm)	105 x 127	
Piston Speed (m/s)	7.62	
Air Intake Flow (m³/min)	6.2	
Exhaust Flow (m³/min)	15	
Net Engine Weight (kg)	463	
Starting System	Electronic	
Engine Coolant Flow (L/min)	170	
Base Output Power (kW)	84.5	
Fuel Consumption (L/h)	110% load	24.4
	100% load	22.3
	75% load	16.9
	50% load	11.9

	Minimum Pressure of Radiator Cap (kPA)	107
	Coolant capacity-engine only(L)	7
Fuel System	Fuel injection pump model	Rotary
	Max. oil temperature permitted in oil pan (°C)	125
	Lubrication system Min. capacity (L)	5.5
Exhaust System	Max. Back Pressure (kPA)	15
Electrical System	Starter (V)	12
	Battery charging system (A)	65



Alternator Specification

Poles	No.	4
Connection type (standard)		
Insulation		Class" H"
Enclosure (according IEC-34-5)		IP23
Exciter system		Self-excited

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 DEESEA DSE6020)

Control

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



Indications

- 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



DSE6020

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)

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



Distributed By:

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