

LG72P

Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG72P	50Hz/1500RPM	57.6KW	52KW
		72KVA	65KVA

* Voltages: 230/400V

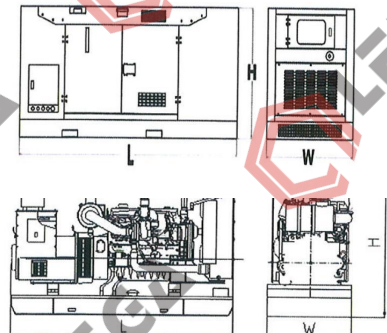
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG72P
Engine	Perkins 1104A-44TG1
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	12
Frequency	50Hz
Engine Sped(RPM)	1500
Controller Model	AMF IntelliLite 9 or DEESEA DSE6020)

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	2000mm	2670mm
Width (W)	980mm	1080mm
Height (H)	1500mm	1875mm
Net Weight (KG)	1100kg	1600KG





Engine Specification

Brand	Perkins	
Model	1104A-44TG1	
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)	6.35	
Air Intake Flow (L/s)	66.67	
Exhaust Flow (L/s)	175	
Net Engine Weight (kg)	463	
Starting System	Electronic	
Engine Coolant Flow (L/s)	2.37	
Base Output Power (kW)	59.6	
Fuel Consumption (L/h)	110% load	16.5
	100% load	14.8
	75% load	11.2
	50% load	8.0

Cooling System	Thermostat adjusting temperature (°C)	82-93
	Minimum Pressure of Radiator Cap (kPA)	107
	Coolant capacity-engine only(L)	7
Lubricating System	Low idle (kPA)	276
	Rated speed (kPA) *	470
	Max. oil temperature permitted in oil pan (°C)	125
	Lubrication system Min. capacity (L)	5.5
Exhaust System	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	12
	Battery charging system (A)	65



Alternator Specification

Poles	No.	4
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Insulation		Class" H"
Enclosure (according IEC-34-5)		IP23
Exciter system		P.M.G.
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

Control	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, kVA _r , kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge)	AMF InteliLite 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	
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)	DSE6020

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

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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