

# LG88P

Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG88P	50Hz/1500RPM	70.4KW	64KW
		88KVA	80KVA

\* Voltages: 230/400V

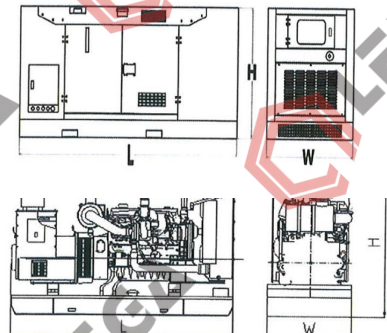
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq 1000m$ , Ambient temperature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

## General Characteristics

Model	LG88P
Engine	Perkins 1104C-44TAG1
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	12/24
Frequency	50Hz
Engine Sped(RPM)	1500
Controller Model	AMF IntelliLite 9 or DEEPSEA DSE6020)

## Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	2000mm	2670mm
Width (W)	980mm	1080mm
Height (H)	1500mm	1875mm
Net Weighl (KG)	1160KG	1680KG





### Engine Specification

Brand	Perkins	
Model	1104C-44TAG1	
No. of Cylinders and Cycle	4L, 4 Stroke	
Compression Ratio	18.23:1	
Displacement (L)	4.4	
Bore x Stroke (mm)	105 x 127	
Air Intake Flow (L/s)	88	
Exhaust Flow (L/s)	215	
Net Engine Weight (kg)	401	
Starting System	Electronic	
Engine Coolant Flow (L/s)	2.37	
Base Output Power (kW)	75	
Fuel Consumption (L/h)	110% load	20.3
	100% load	18.6
	75% load	14.3
	50% load	9.8

Cooling System	Thermostat adjusting temperature (°C )	82-93
	Minimum Pressure of Radiator Cap (kPA)	100
	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)	12/24



### Alternator Specification

Poles	No.	4
Connection type (standard)	VOLTAGE SERIES STAR	
Insulation	Class" H"	

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)

Control

- Auto/Start/Stop Control
- Emergency Stop Pushbutton/ Alarm
- Engine Cool Down Timer
- Warm-up Timer



	<p>Load Switching Timer Engine Cycle Crank</p> <hr/> <p>Operating Hours 3 Phase Generator Voltage Sensing &amp; Monitoring Current Protection &amp; Monitoring Power Measurement (kW, kVA, kVAR, kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge)</p> <hr/> <p>Generator Over/Under Voltage &amp; Frequency Crank Disconnect (Failure to Start) Under/Over Speed Over Current Low oil pressure High Water Temperature Low Fuel Level Low Water Level</p> <hr/> <p>IP 65 (if ordered with gasket) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)</p>
Indications	
Warning & Shutdown Alarms	
Features	



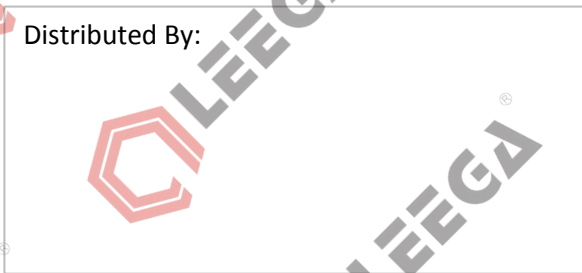
AMF IntelliLite 9



DSE6020

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

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