

# LG66P

Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG66P	50Hz/1500RPM	52.8KW	48KW
		66KVA	60KVA

\* Voltages: 230/400V

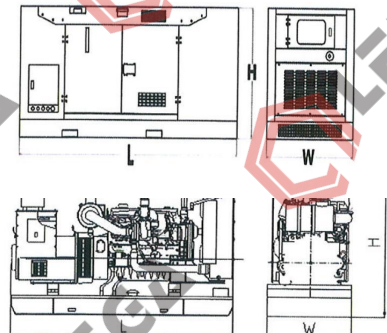
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq 1000m$ , Ambient temperature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

## General Characteristics

Model	LG66P
Engine	Perkins 1103A-33TG2
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 DEEPSEA DSE6020)

## Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	1980mm	2250mm
Width (W)	750mm	1080mm
Height (H)	1480mm	1725mm
Net Weight (KG)	960KG	1380KG





### Engine Specification

Brand	Perkins	
Model	1103A-33TG2	
No. of Cylinders and Cycle	3L, 4 Stroke	
Compression Ratio	17.25:1	
Displacement (L)	3.3	
Bore x Stroke (mm)	105 x 127	
Piston Speed (m/s)	6.35	
Air Intake Flow (L/s)	63.33	
Exhaust Flow (L/s)	168.33	
Net Engine Weight (kg)	420	
Starting System	Electronic	
Engine Coolant Flow (L/s)	2.09	
Base Output Power (kW)	55	
Fuel Consumption (L/h)	110% load	15.4
	100% load	13.9
	75% load	10.4
	50% load	7.2

Cooling System	Thermostat adjusting temperature (°C )	82-93
	Minimum Pressure of Radiator Cap (kPA)	107
	Coolant capacity-engine only(L)	4.4
Lubricating System	Low idle (kPA)	276
	Rated speed (kPA) *	470
	Max. oil temperature permitted in oil pan (°C )	125
	Lubrication system Min. capacity (L)	6.2
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

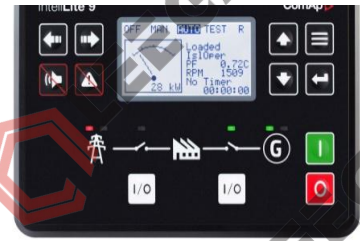
Note: This drawing is provided for reference only and should not be used for planning installation. Contact your



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 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)
Indications	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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