

# LG125C Powered by dong feng

Model	Frequency/RPM	Standby Power	Prime Power
LG125C	50HZ/1500RPM	100KW	90KW
		125KVA	113KVA

\* Voltages: 230/400

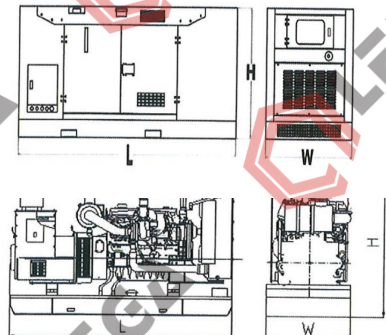
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq 1000m$ , Ambient temperature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

## General Characteristics

Model	LG125C
Engine	Cummins 6BTA5.9-G2
Alternator (交流发电机)	UCI274D
Speed Control Type (转速控制方式)	电子调速
Phase(相数)	3
System Voltage (系统电压)	24
Frequency (频率)	50HZ
Engine Sped(RPM)	1500
Controller Model (控制器型号)	

## Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	2150mm	3200mm
Width (W)	925mm	1080mm
Height (H)	1555mm	2000mm
Net Weight (KG)	1230kg	1850kg



Engine Specification		
Brand	DONG FENG CUMMINS	
Model	6BTA5.9-G2	
No. of Cylinders and Cycle	6	
Compression Ratio	17.3:1	
Displacement (L)	5.9	
Bore x Stroke (mm)	102*120	
Piston Speed (m/s)	6	
Air Intake Flow (L/s)	112	
Exhaust Flow (L/s)	305	
Net Engine Weight (kg)	453	
Starting System	electronic	
Engine Coolant Flow (L/s)	2	
Base Output Power (kW)	106	
Fuel Consumption (L/h)	110% load	30
	100% load	27
	75% load	20
	50% load	14
Cooling System	Max.coolant cycling resistance exterior engine(kPA)	28
	Thermostat adjusting temperature (°C )	82-95
	Minimum Pressure of Radiator Cap (kPA)	69
	Coolant capacity-engine only(L)	10
Fuel System	Fuel injection pump model	BYC PB型直列泵
	Maximum Restriction at Lift Pump (kPa)	13.6
	Maximum Fuel Inlet Temperature (°C )	
	Total Drain Flow (constant for all loads) (L/h)	30
Lubricating System	Low idle (kPa)	207
	Rated speed (kPa)	345
	Max. oil temperature permitted in oil pan (°C )	121
	Lubrication system Min. capacity (L)	16.4
Exhaust System	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	40

## Alternator Specification

Poles	No.	4
Connection type (standard)		Series Star
Insulation		Class" H"
Enclosure (according IEC-34-5)		IP23
Exciter system		Self-excited, brushless
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	<ul style="list-style-type: none"> <li>Auto/Start/Stop Control</li> <li>Emergency Stop Pushbutton/ Alarm</li> <li>Engine Cool Down Timer</li> <li>Warm - up Timer</li> <li>Load Switching Timer</li> <li>Engine Cycle Crank</li> </ul>	
Indications	<ul style="list-style-type: none"> <li>Operating Hours</li> <li>3 Phase Generator Voltage Sensing &amp; Monitoring</li> <li>Current Protection &amp; Monitoring</li> <li>Power Measurement (kW, kVA, kVAr, kWh, kVAh, pf)</li> <li>Frequency Monitoring (Hz)</li> <li>Oil Pressure/Coolant Temperature/Fuel Level Monitoring</li> <li>Battery Voltage Monitoring (DC)</li> <li>Alarm (Acknowledge)</li> </ul>	AMF IntelliLite 9
Warning & Shutdown Alarms	<ul style="list-style-type: none"> <li>Generator Over/Under Voltage &amp; Frequency</li> <li>Crank Disconnect (Failure to Start)</li> <li>Under/Over Speed</li> <li>Over Current</li> <li>Low oil pressure</li> <li>High Water Temperature</li> <li>Low Fuel Level</li> <li>Low Water Level</li> </ul>	
Features	<ul style="list-style-type: none"> <li>IP 65 (if ordered with gasket)</li> <li>Basic Scheduler</li> <li>8 - 35V DC Supply</li> <li>Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)</li> <li>Event Log (5 shutdowns)</li> </ul>	DSE6020

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

Distributed By:

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