

LG100C¹ Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG100C1	50HZ/1500RPM	80KW	72KW
		100KVA	90KVA

* Voltages: 230/400

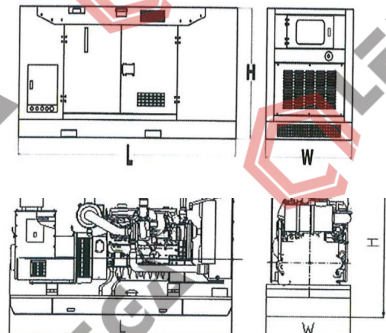
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
 (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
 (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG100C1
Engine	Cummins 6BT5.9-G1
Alternator (交流发电机)	UCI274C
Speed Control Type (转速控制方式)	机械调速
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	2900mm
Width (W)	925mm	1080mm
Height (H)	1555mm	2000mm
Net Weighl (KG)	1395kg	1820kg



Engine Specification		
Brand	DONG FENG CUMMINS	
Model	6BT5.9-G1	
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)	100	
Exhaust Flow (L/s)	252	
Net Engine Weight (kg)	432	
Starting System	electronic	
Engine Coolant Flow (L/s)	2	
Base Output Power (kW)	86	
Fuel Consumption (L/h)	110% load	23.4
	100% load	21.7
	75% load	16.3
	50% load	11.5
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)	7.9
Fuel System	Fuel injection pump model	BYC A型直列泵
	Maximum Restriction at Lift Pump (mmhg)	102
	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 (极数)	No.	4
Connection type (standard) (连接方式 (标准))		Series Star
Insulation (绝缘等级)		Class" H" (等级h)
Enclosure (according IEC-34-5)		IP23
Exciter system (励磁系统)		Self-excited, brushless (自励, 无刷)
Voltage regulator (电压调节)		A.V.R. (Electronic) (电源稳压器 (电子))
Bracket type (托架类型)		Single bearing (单轴承)
Coupling system (耦合系统)		Flexible disc (软磁盘)
Coating type (涂层类型)		Standard (Vacuum impregnation) (标准 (真空浸渍))

*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"> Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank 	
Indications	<ul style="list-style-type: none"> Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVAr, kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) 	AMF IntelliLite 9
Warning & Shutdown Alarms	<ul style="list-style-type: none"> Alarm (Acknowledge) 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	<ul style="list-style-type: none"> 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.

Distributed By:

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