

# LG165C

Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG165C	50HZ/1500RPM	132KW	120KW
		165KVA	150KVA

\* Voltages: 230/400

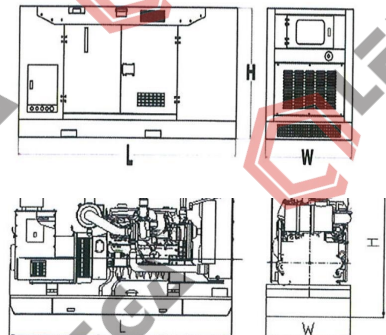
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.  
 (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.  
 (3) Operation at Altitude  $\leq$  1000m, Ambient temperature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

## General Characteristics

Model	LG165C		
Engine	Cummins QSB6.7-G3		
Alternator (交流发电机)	UCI274F		
Speed Control Type (转速控制方式)	BOSCH共轨		
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)	2200mm	3500mm
Width (W)	925mm	1080mm
Height (H)	1555mm	2120mm
Net Weight (KG)	1345kg	2130kg



Engine Specification		
Brand	DONG FENG CUMMINS	
Model	QSB6.7-G3	
No. of Cylinders and Cycle	6	
Compression Ratio	17.3:1	
Displacement (L)	6.7	
Bore x Stroke (mm)	107*124	
Piston Speed (m/s)	6	
Air Intake Flow (L/S)	169	
Exhaust Flow (L/S)	363	
Net Engine Weight (kg)	520	
Starting System		
Engine Coolant Flow (l/s)	2.5	
Base Output Power (kW)	151	
Fuel Consumption (L/h)	110% load	42
	100% load	38
	75% load	31
	50% load	22
Cooling System	Max.coolant cycling resistance exterior engine(kPA)	
	Thermostat adjusting temperature (°C )	82-95
	Minimum Pressure of Radiator Cap (kPA)	103
	Coolant capacity-engine only(L)	9.4
Fuel System	Fuel injection pump model	BOSCH共轨系统
	Maximum Restriction at Lift Pump (kPa)	30
	Maximum Fuel Inlet Temperature (°C )	70
	Total Drain Flow (constant for all loads) (HG/h)	
Lubricating System	Low idle (kPA)	69
	Rated speed (kPA)	
	Max. oil temperature permitted in oil pan (°C )	124
Exhaust System	Lubrication system Min. capacity (L)	19.5
	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	

## 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, kVA<sub>r</sub>, kWh, kVA<sub>h</sub>, pf)</li> <li>Frequency Monitoring (Hz)</li> <li>Oil Pressure/Coolant Temperature/Fuel Level Monitoring</li> <li>Battery Voltage Monitoring (DC)</li> </ul>	AMF IntelliLite 9
Warning & Shutdown Alarms	<ul style="list-style-type: none"> <li>Alarm (Acknowledge)</li> <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.

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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