

# LG35C

Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG35C	60HZ/1800RPM	28KW	25KW
		35KVA	31KVA

\* Voltages: 127/220

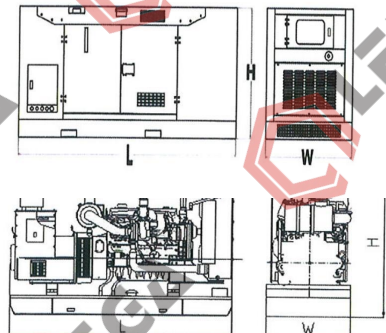
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.  
 (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.  
 (3) Operation at Altitude  $\leq 1000\text{m}$ , Ambient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

## General Characteristics

Model	LG35C
Engine	Cummins 4B3.9-G12
Alternator (交流发电机)	PI144F
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)	60HZ
Engine Sped(RPM)	1800
Controller Model (控制器型号)	AMF IntelliLite 9 or DEEPPSEA DSE6020

## Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	1700mm	2250mm
Width (W)	925mm	1080mm
Height (H)	1470mm	1255mm
Net Weight (KG)	750kg	1115kg



Engine Specification		
Brand	DONG FENG CUMMINS	
Model	4B3.9-G12	
No. of Cylinders and Cycle	4	
Compression Ratio	18.0:1	
Displacement (L)	3.9	
Bore x Stroke (mm)	102*120	
Piston Speed (m/s)	7.2	
Air Intake Flow (L/s)	43	
Exhaust Flow (L/s)	78.5	
Net Engine Weight (kg)	308	
Starting System		
Engine Coolant Flow (L/s)	2.8	
Base Output Power (kW)	33	
Fuel Consumption (L/h)	110% load	10.1
	100% load	9.4
	75% load	7.5
	50% load	5.5
Cooling System	Max.coolant cycling resistance exterior engine(kPA)	35
	Thermostat adjusting temperature (°C )	83-95
	Minimum Pressure of Radiator Cap (kPA)	69
	Coolant capacity-engine only(L)	7.2
Fuel System	Fuel injection pump model	WF A Direct Injectio
	Maximum Restriction at Lift Pump (kPa)	13.6
	Maximum Fuel Inlet Temperature (°C )	70
	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)	10.9
Exhaust System	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	12or24
	Battery charging system (A)	63or40

## Alternator Specification

Poles (极数)	No.	4
Connection type (standard) (连接方式 (标准))		Parallel Star
Insulation (绝缘等级)		Class" H" (等级h)
Enclosure (according IEC-34-5)		IP23
Exciter system (自励系统)		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"> <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> <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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