

# LG413c

Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG413c	60HZ/1800RPM	330KW	300KW
		413KVA	375KVA

\* Voltages: 127/220

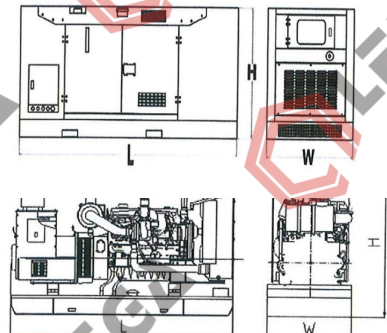
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq 1000m$ , Ambient temperature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

## General Characteristics

Model	LG413c
Engine	Cummins 6ZTAA13-G3
Alternator (交流发电机)	HCI444ES
Speed Control Type (转速控制方式)	Electrical
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)	

## Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	3300mm	4350mm
Width (W)	1360mm	1600mm
Height (H)	1860mm	2260mm
Net Weight (KG)	2370kg	4200KG



Engine Specification		
Brand	DONG FENG CUMMINS	
Model	6ZTAA13-G3	
No. of Cylinders and Cycle	6	
Compression Ratio	17:01	
Displacement (L)	13	
Bore x Stroke (mm)	130*163	
Piston Speed (m/s)	9.78	
Air Intake Flow (m <sup>3</sup> /min)	25.5	
Exhaust Flow (kg/min)	26.6	
Net Engine Weight (kg)	1200	
Starting System		
Engine Coolant Flow (L/s)	438	
Base Output Power (kW)	340	
Fuel Consumption (L/h)	110% load	92.3
	100% load	81
	75% load	59.2
	50% load	40.1
Cooling System	Max.coolant cycling resistance exterior engine(kPA)	75
	Thermostat adjusting temperature (°C )	82-94
	Minimum Pressure of Radiator Cap (kPA)	103
	Coolant capacity-engine only(L)	23.1
Fuel System	Fuel injection pump model	北油 PD泵
	Maximum Restriction at Lift Pump (kPa)	20.3
	Maximum Fuel Inlet Temperature (°C )	71
	Total Drain Flow (constant for all loads) (L/h)	
Lubricating System	Low idle (kPA)	82.7
	Rated speed (kPA)	207-276
	Max. oil temperature permitted in oil pan (°C )	
Exhaust System	Lubrication system Min. capacity (L)	
	Max. Back Pressure (KPA)	13
Electrical System	Starter (V)	24
	Battery charging system (A)	

## 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 (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"> <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>
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>



AMF IntelliLite 9



DSE6020

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

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