

# LG1100C

Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG1100C	50Hz/1500RPM	880KW	800KW
		1100KVA	1000KVA

\* Voltages Available: 220/380V • 230/400V • 240/415V

(1) Prime Power: Ratings are as per BS-5514 and DIN-6271 based on ISO-3046. 10% overload capacity permissible for 1 hour in every 12 hours.

(2) Standby Power: Standby Power Standby duty, operation under variable load, without over load. Limited 25 hours running at the rating per year.

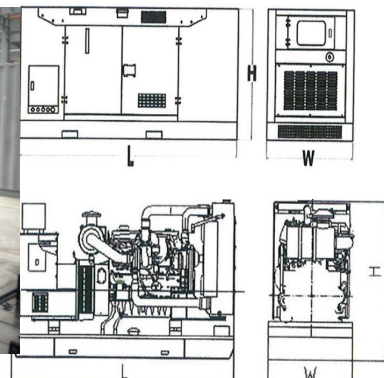
(3) Operation at Altitude ≤1000m, Ambient temperature ≤ 40°C). Derate by 4% per 1,000 ft(300 m), and 1% per 10o F (2% per 11o C)

## General Characteristics

Model	LG1100C
Engine	Cummins KTA38G5
Alternator	Leega LA7800
Speed Control Type	Electric
Phase	3
System Voltage	24
Frequency	50Hz
Engine Sped(RPM)	1500
Controller Model	DSE7320

## Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	4380mm	6100mm
Width (W)	2080mm	2440mm
Height (H)	2200mm	2590mm
Net Weighl (KG)	7910KG	12750KG



Engine Specification		
Brand	Cummins	
Model	KTA38G5	
No. of Cylinders and Cycle	12V, 4 Stroke	
Induction System	Turbocharged and Charge Air Cooled	
Compression Ratio	13.9:1	
Displacement (L)	37.8	
Bore x Stroke (mm)	159x159	
Piston Speed (m/s)	7.9	
Air Intake Flow (L/s)	1140	
Exhaust Gas Flow (L/s)	3051	
Net Weight (kg)	4300	
Gross Engine Power Output (kW)	970	
Fuel Consumption (L/h)	110% load	228
	100% load	209
	75% load	161
	50% load	113

Cooling System	Coolant capacity-engine only(L)	124
	Thermostat adjusting temperature (°C )	82-93
	Min. opening pressure of radiator cap(kPA)	69
	Maximum Coolant Friction Head External to Engine(kPA)	48
Fuel System	Fuel injection pump model	<b>Direct Injection Cummins PT</b>
	Maximum Restriction at Lift Pump(clean/dirty filter) (kPa)	13.7/27
	Maximum Fuel Flow to Injector Pump (L/h)	428
Lubricating System	Low idle (kPA)	138
	Rated speed (kPA)	310-448
	Max. oil temperature permitted in oil pan (°C )	114
	Total System Capacity(Including Bypass Filter) (L)	135
Exhaust System	Max. Back Pressure (kPA)	10.2
Electrical System	Starter (V)	24
	Battery charging system (A)	35

Alternator Specification		
Poles	No.	4
Connection type (standard)		Star-series
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
- PMG
- 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

**Genset Controller DeepSea DSE7320 (main features)**

Control	Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank	 <p>DSE7320</p>
Indications	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) Alarm (Acknowledge)	
Warning & Shutdown Alarms	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	IP 65 (if ordered with gasket) Multiple date and time exercisescheduler 8 - 35V DC Supply Eight configurable digital inputs - Six configurable outputs Improved programmable event log(250) showing date and time	

Distributed By:



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