



# LG688C Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG688C	50Hz/1500RPM	550KW	N.A.
		687.5KVA	N.A.

\* Voltage: 400/230

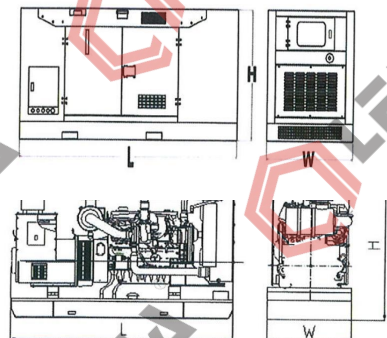
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq$  1000m, Ambient temperature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

## General Characteristics

Model	LG688C
Engine	Cummins KTAA19G6A
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	24
Frequency	50Hz
Engine Sped(RPM)	1500

## Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	3700mm	4950mm
Width (W)	1680mm	2000mm
Height (H)	2190mm	2524mm
Net Weight (KG)	4658kg	6685kg





Engine Specification	
Brand	Cummins
Model	KTAA19G6A
No. of Cylinders and Cycle	6L, 4 Stroke
Compression Ratio	13.9:1
Displacement (L)	19
Bore x Stroke (mm)	159 x 159
Piston Speed (m/s)	7.9
Air Intake Flow (L/s)	850
Exhaust Flow (L/s)	2478
Net Engine Weight (kg)	1633
Starting System	Electronic
Engine Coolant Flow (L/min)	10.2
Base Output Power (kW)	610

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	55.2
	Thermostat adjusting temperature (°C )	82-93
	Minimum Pressure of Radiator Cap (kPA)	48
	Coolant capacity-engine only(L)	26.5
Fuel System	Fuel injection pump model	Direct Injection Cummins PT
	Maximum Restriction at Lift Pump (kPa)	13.55
Lubricating System	Low idle (kPA)	138
	Rated speed (kPA)	345-483
	Max. oil temperature permitted in oil pan (°C )	121
Exhaust System	Lubrication system Min. capacity (L)	50
	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	35



Alternator Specification	
Poles	No. 4
Connection type (standard)	star

Enclosure (according IEC-34-5)		IP23
Exciter system		SELF EXCITED
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

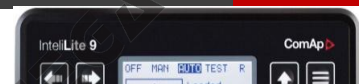
- With machine oil

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)

Auto/Start/Stop Control  
Emergency Stop Pushbutton/ Alarm





Control	Warm - up Timer Load Switching Timer Engine Cycle Crank
Indications	Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVA <sub>r</sub> , 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) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)



AMF InteliLite 9



DSE6020

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



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