



# LG500C Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG500C	60Hz/1800RPM	400KW	360KW
		500KVA	450KVA

\* Voltage: 440/254

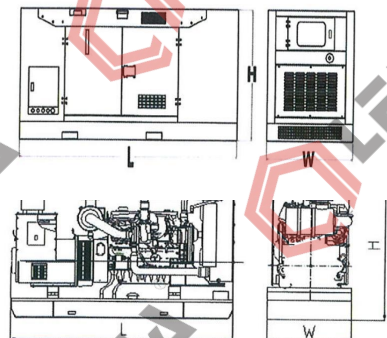
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq$  1000m, Ambient temperature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

## General Characteristics

Model	LG500C
Engine	Cummins KTA19G2
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	24
Frequency	60Hz
Engine Sped(RPM)	1800

## Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	3400mm	4650mm
Width (W)	1340mm	1600mm
Height (H)	2170mm	2260mm
Net Weight (KG)	4160kg	5210kg



### Engine Specification

Brand	Cummins	
Model	KTA19G2	
No. of Cylinders and Cycle	6L, 4 Stroke	
Compression Ratio	14.5:1	
Displacement (L)	19	
Bore x Stroke (mm)	159 x 159	
Piston Speed (m/s)	9.5	
Air Intake Flow (L/s)	581	
Exhaust Flow (L/s)	1543	
Net Engine Weight (kg)	1690	
Starting System	Electronic	
Engine Coolant Flow (L/s)	12.4	
Base Output Power (kW)	392	
Fuel Consumption (L/h)	100% load	184
	75% load	142
	50% load	103
	25% load	66

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	68.9
	Thermostat adjusting temperature (°C )	82-93
	Minimum Pressure of Radiator Cap (kPA)	48
	Coolant capacity-engine only(L)	30.3
Fuel System	Fuel injection pump model	BYC A Direct Injection
	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
	Lubrication system Min. capacity (L)	50
Exhaust System	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	35

## Alternator Specification

Poles	No. <sup>®</sup>	4
Connection type (standard)		star
Insulation		Class" H"
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

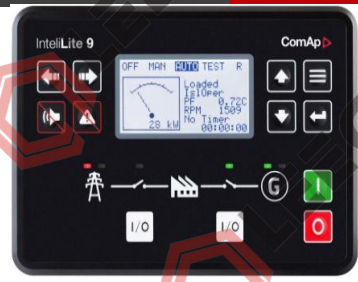
- With machine oil

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)

Control	Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer 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 IntelliLite 9



DSE6020

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



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