

LG66C

Powered by Cummins

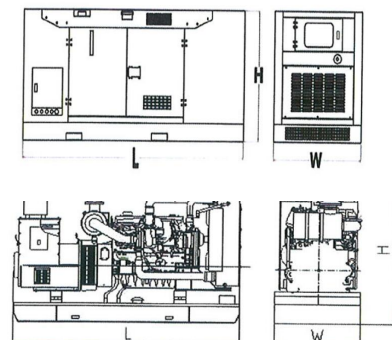
Model	Frequency/RPM	Standby Power	Prime Power
LG66C	50Hz/1500RPM	53KW	48KW
		66KVA	60KVA

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

- (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	LG66C
Engine	Cummins 4BTA3.9G2
Alternator	Stamford UCI224E
Speed Control Type	Electrical
Phase	3
System Voltage	24
Frequency	50Hz
Engine Sped(RPM)	1500
Controller Model	AMF20

Dimensions		
DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	1870mm	2670mm
Width (W)	950mm	1080mm
Height (H)	1500mm	1255mm
Net Weight (KG)	950KG	1500KG



Engine Specification		
Brand	Cummins	
Model	4BTA3.9G2	
No. of Cylinders and Cycle	4L, 4 Stroke	
Induction System	NA	
Compression Ratio	17.3:1	
Displacement (L)	3.9	
Bore x Stroke (mm)	102 x 120	
Torque (N.m)	N.A.	
Piston Speed (m/s)	6	
Air Intake Flow (L/s)	49	
Exhaust Flow (L/s)	125	
Net Weight (kg)	350	
Starting System	Electronic	
Engine Coolant Flow (L/s)	1.6	
Base Output Power (kW)	50	
Fuel Consumption (L/h)	110% load	14.1
	100% load	12.9
	75% load	10
	50% load	7

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	28
	Thermostat adjusting temperature (°C)	83-95
	Min. opening pressure of radiator cap(kPA)	69
	Coolant capacity-engine only(L)	8.3
Fuel System	Fuel injection pump model	BYC PB Direct Injection
	Max. restriction at lift pump (mmHg)	102
	Max. allowable head on injector return line (mmHg)	508
	Total drain flow amount (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)	24
	Battery charging system (A)	40

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

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	AMF20
	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	DSE6020
	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)	



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