



LG110C

Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG110C	50HZ/1500RPM	88KW	80KW
		110KVA	100KVA

* Voltages: 230/400

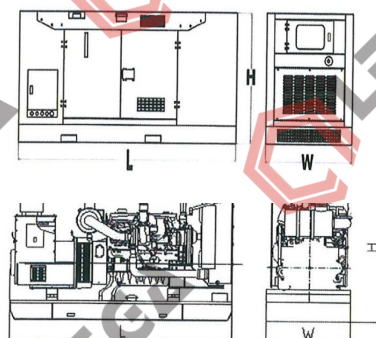
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
(2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
(3) Operation at Altitude $\leq 1000\text{m}$, Ambient temperature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

General Characteristics

Model	LG110C		
Engine	Cummins QSB5.9-G2		
Alternator (交流发电机)		UCI274C	
Speed Control Type (转速控制方式)	电控高压共轨喷射		
Phase(相数)	3		
System Voltage (系统电压)	24		
Frequency (频率)	50HZ		
Engine Sped(RPM)	1500		
Controller Model (控制器型号)			

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	2150mm	3200mm
Width (W)	925mm	1080mm
Height (H)	1555mm	2000mm
Net Weight (KG)	1230kg	1780kg



Engine Specification		
Brand	DONG FENG CUMMINS	
Model	QSB5.9-G2	
No. of Cylinders and Cycle	6	
Compression Ratio	17.3:1	
Displacement (L)	5.9	
Bore x Stroke (mm)	102*120	
Piston Speed (m/s)	6	
Air Intake Flow (L/S)	121	
Exhaust Flow (L/S)	254	
Net Engine Weight (kg)	406	
Starting System		
Engine Coolant Flow (l/s)	2.5	
Base Output Power (kW)	96	
Fuel Consumption (L/h)	110% load	28
	100% load	26
	75% load	21
	50% load	15
Cooling System	Max.coolant cycling resistance exterior engine(kPA)	
	Thermostat adjusting temperature (°C)	82-95
	Minimum Pressure of Radiator Cap (kPA)	90
	Coolant capacity-engine only(L)	9
Fuel System	Fuel injection pump model	电控高压共轨
	Maximum Restriction at Lift Pump (kPa)	
	Maximum Fuel Inlet Temperature (°C)	80
	Total Drain Flow (constant for all loads) (HG/h)	
Lubricating System	Low idle (kPa)	69
	Rated speed (kPa)	
	Max. oil temperature permitted in oil pan (°C)	124
	Lubrication system Min. capacity (L)	
Exhaust System	Max. Back Pressure (kPa)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	

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

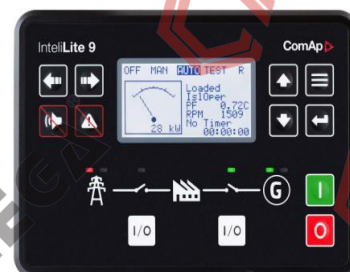
Operating Hours
3 Phase Generator Voltage Sensing & Monitoring
Current Protection & Monitoring
Power Measurement (kW, kVA, kVAr, kWh, kVAh, pf)
Frequency Monitoring (Hz)
Oil Pressure/Coolant Temperature/Fuel Level Monitoring
Battery Voltage Monitoring (DC)
Alarm (Acknowledge)

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)
Basic Scheduler
8 - 35V DC Supply
Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)
Event Log (5 shutdowns)



AMF IntelliLite 9



DSE6020



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