

LG30C

Powered by Cummins

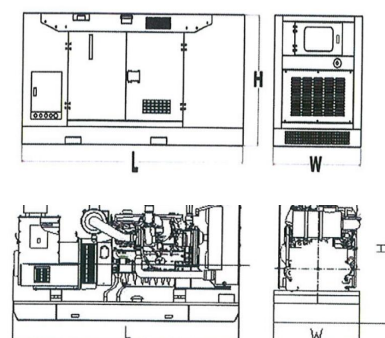
Model	Frequency/RPM	Standby Power	Prime Power
LG30C	50HZ/1500RPM	24KW	20KW
		30KVA	25KVA

* Voltages : 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	LG30C
Engine	Cummins 4B3.9-G1
Alternator	Stamford PI144F
Speed Control Type	Mechanical type
Phase	3
System Voltage	24
Frequency	50HZ
Engine Sped(RPM)	1500
Controller Model	AMF20

Dimensions		
DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	1700mm	2250mm
Width (W)	930mm	1080mm
Height (H)	1470mm	1255mm
Net Weight (KG)	780kg	1150kg



Engine Specification		
Brand	DONG FENG CUMMINS	
Model	4B3.9-G1	
No. of Cylinders and Cycle	4	
Compression Ratio	17.3:1	
Displacement (L)	3.9	
Bore x Stroke (mm)	102*120	
Piston Speed (m/s)	6	
Air Intake Flow (L/s)	33	
Exhaust Flow (L/s)	67	
Net Engine Weight (kg)	308	
Starting System	electronic	
Engine Coolant Flow (L/s)	2.2	
Base Output Power (kW)	24	
Fuel Consumption (L/h)	110% load	8
	100% load	7.1
	75% load	5.7
	50% load	4.3

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	28
	Thermostat adjusting temperature (°C)	82-95
	Minimum Pressure of Radiator Cap (kPA)	69
	Coolant capacity-engine only(L)	7.2
Fuel System	Fuel injection pump model	BYC A Direct injection
	Maximum Restriction at Lift Pump (mmHg)	102
	Maximum Fuel Inlet Temperature (°C)	N.A.
	Total Drain Flow (constant for all loads) (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 (mmHg)	76
Electrical System	Starter (V)	24
	Battery charging system (A)	40

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

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
Warning & Shutdown Alarms	Battery Voltage Monitoring (DC)
	Alarm (Acknowledge)
	Generator Over/Under Voltage & Frequency
	Crank Disconnect (Failure to Start)
	Under/Over Speed
	Over Current
Features	Low oil pressure
	High Water Temperature
	Low Fuel Level
	Low Water Level
	IP 65 (if ordered with gasket)
	Basic Scheduler
	8 - 35V DC Supply
	Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)
	Event Log (5 shutdowns)



AMF20



DSE6020



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