LG850C Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG850C	60Hz/1800RPM	680KW	620KW
		850KVA	775KVA

* Voltage: 440/254

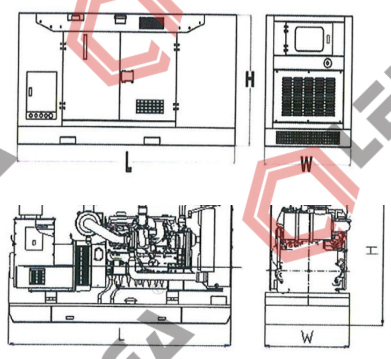
(1) Prime Power: Ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity.
(2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
(3) Operation at Altitude ≤1000m, Ambient temperature ≤ 40℃).If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

General Characteristics

Model	LG850C
Engine	Cummins KT38G
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)	4350mm	
Width (W)	2030mm	
Height (H)	2380mm	
Net Weight (KG)	7090kg	



Engine Specification

Brand		Cummins
Model		KT38G
No. of Cylinders and Cycle		12V, 4 Stroke
Compression Ratio		15.5:1
Displacement (L)		38
Bore x Stroke (mm)		159 x 159
Piston Speed (m/s)		9.5
Air Intake Flow (L/s)		1204
Exhaust Flow (L/s)		3068
Net Engine Weight (kg)		3606
Starting System		Electronic
Engine Coolant Flow (L/s)		24.6
Base Output Power (kW)		679
Fuel Consumption (L/h)	100% load	289
	75% load	221
	50% load	157
	25% load	94

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	34.5
	Thermostat adjusting temperature (℃)	82-93
	Minimum Pressure of Radiator Cap (kPA)	69
	Coolant capacity-engine only(L)	106
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)	310-448
	Max. oil temperature permitted in oil pan (℃)	121
	Lubrication system Min. capacity (L)	135.1
Exhaust System	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	35

Alternator Specification

Poles	No.	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℃)

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 InteliLite 9

DSE6020

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

Distributed By:

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