



# LG440C Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG440C	60Hz/1800RPM	352KW	320KW
		440KVA	400KVA

\* Voltage: 440/254

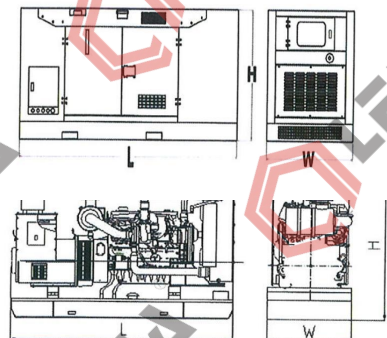
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq$  1000m, Ambient temperature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

## General Characteristics

Model	LG440C
Engine	Cummins NTA855G3
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)	3070mm	4350mm
Width (W)	1130mm	1400mm
Height (H)	1855mm	2260mm
Net Weight (KG)	2650kg	4100kg



Engine Specification		
Brand	Cummins	
Model	NTA855G3	
No. of Cylinders and Cycle	6L, 4 Stroke	
Compression Ratio	14.0:1	
Displacement (L)	14	
Bore x Stroke (mm)	140 x 152	
Piston Speed (m/s)	9.14	
Air Intake Flow (L/s)	477	
Exhaust Flow (L/s)	1314	
Net Engine Weight (kg)	1320	
Starting System	Electronic	
Engine Coolant Flow (L/s)	6	
Base Output Power (kW)	358	
Fuel Consumption (L/h)	100% load	87.1
	75% load	66
	50% load	46.9
	25% load	26.8
Cooling System	Max.coolant cycling resistance exterior engine(kPA)	48
	Thermostat adjusting temperature (°C )	82-94
	Minimum Pressure of Radiator Cap (kPA)	48.2
	Coolant capacity-engine only(L)	20.8
Fuel System	Fuel injection pump model	BYC A Direct Injection
	Maximum Restriction at Lift Pump (kPa)	13.5
	Maximum Fuel Inlet Temperature (°C )	71
	Total Drain Flow (constant for all loads) (L/h)	352
Lubricating System	Low idle (kPA)	103
	Rated speed (kPA)	241-345
	Max. oil temperature permitted in oil pan (°C )	121
	Lubrication system Min. capacity (L)	38.6
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°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	<ul style="list-style-type: none"> <li>Auto/Start/Stop Control</li> <li>Emergency Stop Pushbutton/ Alarm</li> <li>Engine Cool Down Timer</li> <li>Warm - up Timer</li> <li>Load Switching Timer</li> <li>Engine Cycle Crank</li> </ul>	
Indications	<ul style="list-style-type: none"> <li>Operating Hours</li> <li>3 Phase Generator Voltage Sensing &amp; Monitoring</li> <li>Current Protection &amp; Monitoring</li> <li>Power Measurement (kW, kVA, kVA<sub>r</sub>, kWh, kVA<sub>h</sub>, pf)</li> <li>Frequency Monitoring (Hz)</li> <li>Oil Pressure/Coolant Temperature/Fuel Level Monitoring</li> <li>Battery Voltage Monitoring (DC)</li> <li>Alarm (Acknowledge)</li> </ul>	AMF IntelliLite 9
Warning & Shutdown Alarms	<ul style="list-style-type: none"> <li>Generator Over/Under Voltage &amp; Frequency</li> <li>Crank Disconnect (Failure to Start)</li> <li>Under/Over Speed</li> <li>Over Current</li> <li>Low oil pressure</li> <li>High Water Temperature</li> <li>Low Fuel Level</li> <li>Low Water Level</li> </ul>	
Features	<ul style="list-style-type: none"> <li>IP 65 (if ordered with gasket)</li> <li>Basic Scheduler</li> <li>8 - 35V DC Supply</li> <li>Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)</li> <li>Event Log (5 shutdowns)</li> </ul>	DSE6020

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



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