

LG313C Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG313C	50Hz/1500RPM	250KW	220KW
		312.5KVA	275KVA

* Voltage: 400/230

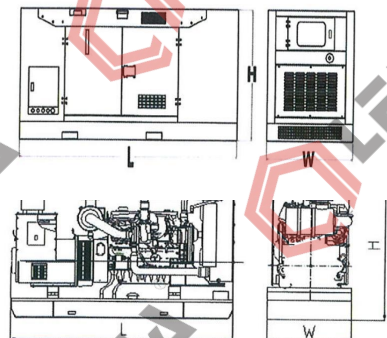
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG45C
Engine	Cummins NTA855G1A
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	24
Frequency	50Hz
Engine Sped(RPM)	1500

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	3070mm	4350mm
Width (W)	1130mm	1400mm
Height (H)	1855mm	2260mm
Net Weight (KG)	2650kg	4020kg



Engine Specification		
Brand	Cummins	
Model	NTA855G1A	
No. of Cylinders and Cycle	6L, 4 Stroke	
Compression Ratio	14.5:1	
Displacement (L)	14	
Bore x Stroke (mm)	140 x 152	
Piston Speed (m/s)	7.62	
Air Intake Flow (L/s)	353	
Exhaust Flow (L/s)	826	
Net Engine Weight (kg)	1300	
Starting System	Electronic	
Engine Coolant Flow (L/im)	5	
Base Output Power (kW)	264	
Fuel Consumption (L/h)	100% load	61.3
	75% load	46.1
	50% load	31.4
	25% load	17.5
Cooling System	Max.coolant cycling resistance exterior engine(kPA)	41
	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	Direct Injection Cummins PT
	Maximum Restriction at Lift Pump (kPa)	13.5
	Maximum Fuel Inlet Temperature (°C)	71
	Total Drain Flow (constant for all loads) (L/h)	270
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"> Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank 	
Indications	<ul style="list-style-type: none"> Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVA_r, kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge) 	AMF IntelliLite 9
Warning & Shutdown Alarms	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> IP 65 (if ordered with gasket) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns) 	DSE6020

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



Distributed By:

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