LG1450C Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG1450C	60Hz/1800RPM	1160KW	960KW
		1450KVA	1200KVA

* Voltage: 440/254

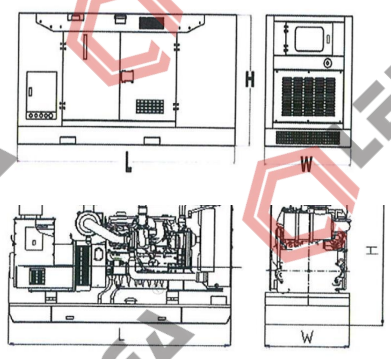
(1) Prime Power: Ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity.
(2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
(3) Operation at Altitude ≤1000m, Ambient temperature ≤ 40℃).If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

General Characteristics

Model	LG1450C
Engine	Cummins QSKTA38-G5
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)	4335mm	
Width (W)	1790mm	
Height (H)	2320mm	
Net Weight (KG)	7350kg	



Engine Specification

Brand		Cummins
Model		QSKTA38-G5
No. of Cylinders and Cycle		16V, 4 Stroke
Compression Ratio		15.0:1
Displacement (L)		37.7
Bore x Stroke (mm)		159 x 159
Piston Speed (m/s)		7.9
Air Intake Flow (L/s)		1793
Exhaust Flow (L/s)		3849
Starting System		Electronic
Engine Coolant Flow (L/min)		1037
Base Output Power (kW)		1063
Fuel Consumption (L/h)	100% load	271
	75% load	204
	50% load	152
	25% load	82

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	68.9
	Thermostat adjusting temperature (℃)	82-94
	Minimum Pressure of Radiator Cap (kPA)	76
	Coolant capacity-engine only(L)	106
Fuel System	Fuel injection pump model	Cummins MCRS
	Maximum Restriction at Lift Pump (kPa)	16.9
	Maximum Fuel Inlet Temperature (℃)	71
	Total Drain Flow (constant for all loads) (L/h)	602
Lubricating System	Low idle (kPA)	138
	Rated speed (kPA)	344.7-482.6
	Max. oil temperature permitted in oil pan (℃)	120
	Lubrication system Min. capacity (L)	170.3
Exhaust System	Max. Back Pressure (kPA)	7
Electrical System	Starter (V)	24

Alternator Specification

Poles	No.	4
Connection type (standard)		star
Insulation		Class" H"
Enclosure (according IEC-34-5)		IP23
Exciter system		PMG
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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