LG440C Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG440C	50HZ/1500RPM	352KW	320KW
		440KVA	400KVA

* Voltages:230/400

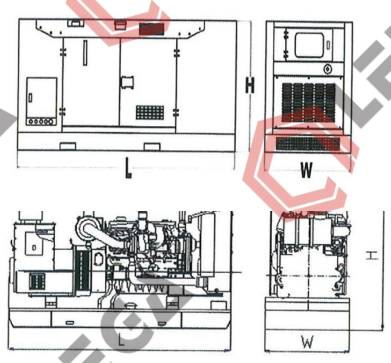
(1) Prime Power: Ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity.
(2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
(3) Operation at Altitude ≤1000m, Ambient temperature ≤ 40℃).If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

General Characteristics

Model	LG440C
Engine	Cummins 6ZTAA13-G2
Alternator（交流发电机）	HCI444F
Speed Control Type（转速控制方式）	电子调速
Phase(相数)	3
System Voltage（系统电压）	24
Frequency（频率）	50HZ
Engine Sped(RPM)	1500
Controller Model（控制器型号）	

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	3300mm	4350mm
Width (W)	1360mm	1600mm
Height (H)	1860mm	2260mm
Net Weight (KG)	2400kg	4330KG



Engine Specification

Brand		DONG FENG CUMMINS
Model		6ZTAA13-G2
No. of Cylinders and Cycle		6
Compression Ratio		17:01
Displacement (L)		13
Bore x Stroke (mm)		130*163
Piston Speed (m/s)		8.15
Air Intake Flow (m^3/min)		33.1
Exhaust Flow (kg/min)		34.3
Net Engine Weight (kg)		1200
Starting System		
Engine Coolant Flow (l/s)		366
Base Output Power (kW)		390
Fuel Consumption (L/h)	110% load	95.8
	100% load	89.1
	75% load	65.1
	50% load	43.2

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	75
	Thermostat adjusting temperature (℃)	82-94
	Minimum Pressure of Radiator Cap (kPA)	103
	Coolant capacity-engine only(L)	23.1
Fuel System	Fuel injection pump model	
	Maximum Restriction at Lift Pump (kPa)	20.3
	Maximum Fuel Inlet Temperature (℃)	71
	Total Drain Flow (constant for all loads) (HG/h)	
Lubricating System	Low idle (kPA)	82.7
	Rated speed (kPA)	207-276
	Max. oil temperature permitted in oil pan (℃)	
	Lubrication system Min. capacity (L)	45.42
Exhaust System	Max. Back Pressure (kPA)	13
Electrical System	Starter (V)	24
	Battery charging system (A)	

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℃)

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.

We are always Available

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