LG500P Powered by Cummins

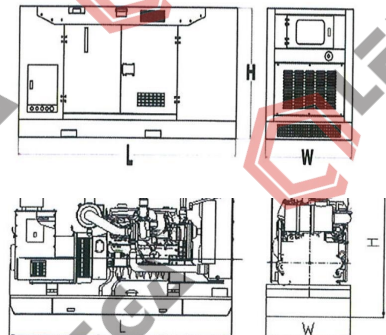| Model	Frequency/RPM	Standby Power	Prime Power
LG500P	50Hz/1500RPM	400KW	360KW
		500KVA	450KVA

* Voltages: 230/400V

(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	LG500P
Engine	Perkins 2506C-E15TAG1
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	24
Frequency	50Hz
Engine Sped(RPM)	1500
Controller Model	AMF InteliLite 9 or DEEPSEA DSE6020)

Dimensions

DIMENSION		OPEN TYPE	SILENT TYPE
Length	(L)	3450mm	4650mm
Width	(W)	1150mm	1400mm
Height	(H)	2010mm	2260mm
Net Weight	(KG)	3840mm	4870KG

Engine Specification

Brand	Perkins
Model	2506C-E15TAG1
No. of Cylinders and Cycle	6L, 4 Stroke
Compression Ratio	16:01
Displacement (L)	15
Bore x Stroke (mm)	137 x 171
Piston Speed (m/s)	8
Air Intake Flow (L/s)	550
Exhaust Flow (L/s)	1416.67
Net Engine Weight (kg)	1633
Starting System	Electronic
Engine Coolant Flow (L/s)	6.1
Base Output Power (kW)	412

Fuel Consumption (L/h)	110% load	109
	100% load	99
	75% load	73
	50% load	51

Cooling System	Thermostat adjusting temperature (℃)	87-98
	Minimum Pressure of Radiator Cap (kPA)	69
Lubricating System	Low idle (kPA)	200
	Rated speed (kPA)	620
	Max. oil temperature permitted in oil pan (℃)	114
	Lubrication system Min. capacity (L)	45
Exhaust System	Max. Back Pressure (kPA)	6.8
Electrical System	Starter (V)	24
	Battery charging system (A)	70

Alternator Specification

Poles	No.	4
Connection type (standard)		VOLTAGE SERIES STAR

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Enclosure (according IEC-34-5)		IP23
Exciter system		P.M.G.
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)

Auto/Start/Stop Control
Emergency Stop Pushbutton/ Alarm

Control	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)	AMF InteliLite 9
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	DSE6020
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)	

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

We are always Available

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