



LG315P Powered by Perkins

Model	Frequency/RPM	Standby Power	Prime Power
LG315P	60Hz/1800RPM	252KW	230KW
		315KVA	287.5KVA

* Voltages: 254/440V

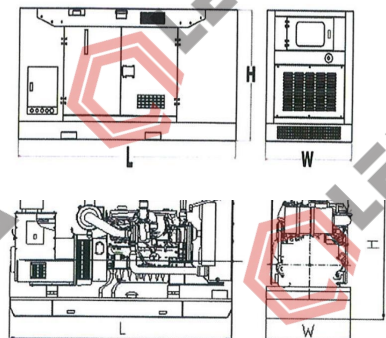
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG315P
Engine	Perkins 1506A-E88TAG3
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	24
Frequency	60Hz
Engine Speed(RPM)	1800

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	2670mm	3700mm
Width (W)	1030mm	1280mm
Height (H)	1760mm	2120mm
Net Weight (KG)	2100KG	3180kg



Engine Specification		
Brand	Perkins	
Model	1506A-E88TAG3	
No. of Cylinders and Cycle	6L, 4 Stroke	
Compression Ratio	16.1:1	
Displacement (L)	8.8	
Bore x Stroke (mm)	112 x 149	
Piston Speed (m/s)	8.9	
Air Intake Flow (m ³ /min)	19.8	
Exhaust Flow (m ³ /min)	43.9	
Net Engine Weight (kg)	1135	
Starting System	Electronic	
Engine Coolant Flow (L/min)	19	
Fuel Consumption (L/h)	110% load	69.8
	100% load	63.1
	75% load	47.5
	50% load	33.1

Minimum Pressure of Radiator Cap (kPa)	110	
Coolant capacity-engine only(L)	13.9	
Maximum Restriction at Lift Pump (kPa)	655	
Maximum Fuel Inlet Temperature (°C)	79	
Max. oil temperature permitted in oil pan (°C)	120	
Lubrication system Min. capacity (L)	36	
Exhaust System	Max. Back Pressure (kPa)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	45



Connection type (standard)	Series 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 IEC 1350

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

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



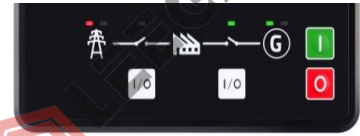
Standard Controller (ComAp AMF20 or DEESEA DSE6020)

Auto/Start/Stop Control
Emergency Stop Pushbutton/ Alarm
Engine Cool Down Timer

Control



Load Switching Timer
Engine Cycle Crank



AMF IntelliLite 9

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)



DSE6020

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)

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



We are always
Available

Distributed By:

Fujian Everstrong Lega Power Equipments Co., Ltd
Fuqing Hong Kuan Industry Zone, Fuzhou, Fujian
Province, China
Tel: +86-591-8385 3032
Fax: +86-591-8385 3130
Email: sales@legapower.com
Web: www.legapower.com