

LG165P Powered by Perkins

Model	Frequency/RPM	Standby Power	Prime Power
LG165P	50Hz/1500RPM	132KW	120KW
		165KVA	150KVA

* Voltages: 230/400V

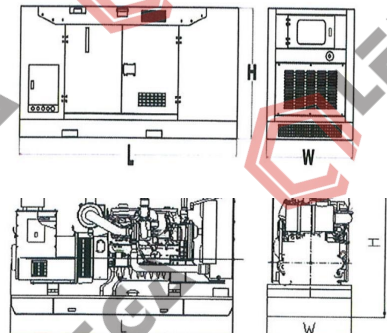
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG165P
Engine	Perkins 1106A-70TAG2
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	12
Frequency	50Hz
Engine Speed(RPM)	1500
Controller Model	

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	2400mm	3500mm
Width (W)	1000mm	1080mm
Height (H)	1600mm	2120mm
Net Weight (KG)	1400KG	2200kg



Engine Specification		
Brand	Perkins	
Model	1106A-70TAG2	
No. of Cylinders and Cycle	6L, 4 Stroke	
Compression Ratio	16:01	
Displacement (L)	7.01	
Bore x Stroke (mm)	105x 135	
Piston Speed (m/s)	6.8	
Air Intake Flow (m ³ /min)	10.2	
Exhaust Flow (m ³ /min)	23.78	
Net Engine Weight (kg)	788	
Starting System	Electronic	
Engine Coolant Flow (L/min)	142	
Base Output Power (kW)	131	
Fuel Consumption (L/h)	110% load	36.1
	100% load	33.4
	75% load	24.7
	50% load	16.4
Cooling System	Max.coolant cycling resistance exterior engine(kPA)	
	Thermostat adjusting temperature (°C)	
	Minimum Pressure of Radiator Cap (kPA)	100
	Coolant capacity-engine only(L)	9.5
Fuel System	Fuel injection pump model	Mechanical
	Maximum Restriction at Lift Pump (kPa)	
	Maximum Fuel Inlet Temperature (°C)	46
	Total Drain Flow (constant for all loads) (L/h)	
Lubricating System	Low idle (kPA)	
	Rated speed (kPA)	
	Max. oil temperature permitted in oil pan (°C)	125
	Lubrication system Min. capacity (L)	12.4
Exhaust System	Max. Back Pressure (kPA)	6
Electrical System	Starter (V)	12
	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
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, kVAr, kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) 	AMF IntelliLite 9
Warning & Shutdown Alarms	<ul style="list-style-type: none"> Alarm (Acknowledge) 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:

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



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