



# LG225D<sup>™</sup> Powered by DOOSAN

Model	Frequency/RPM	Standby Power	Prime Power
LG225DY	60Hz/1800RPM	180KW	164KW
		225KVA	205KVA

\* Voltages: 440/254

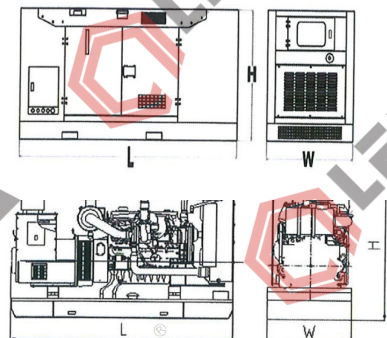
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq$  1000m, Ambient temperature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

## General Characteristics

Model	LG225DY
Engine	DOOSAN DP086LA
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)	2660mm	3600mm
Width (W)	1030mm	1080mm
Height (H)	1870mm	2150mm
Net Weight (KG)	1860kg	2500kg



Engine Specification		
Brand	DOOSAN	
Model	DP086LA	
No. of Cylinders and Cycle	6L, 4 Stroke	
Compression Ratio	16.7:1	
Displacement (L)	8.071	
Bore x Stroke (mm)	111 x 139	
Piston Speed (m/s)	8.34	
Air Intake Flow (m <sup>3</sup> /min)	23.65	
Exhaust Flow (m <sup>3</sup> /min)	40.9	
Net Engine Weight (kg)	790	
Starting System	Electronic	
Engine Coolant Flow (L/min)	166	
	100% load	56
Fuel Consumption (L/h)	75% load	41.7
	50% load	28.3
	25% load	15.5

Fuel System	Coolant capacity-engine only(L)	14
	Fuel injection pump model	WUXI WEIFU HIGH TECH
	Total Drain Flow (constant for all loads) (L/h)	175
Lubricating System	Low idle (kPA)	100
	Rated speed (kPA)	250
	Max. oil temperature permitted in oil pan (°C)	120
	Lubrication system Min. capacity (L)	12
Exhaust System	Max. Back Pressure (kPA)	5.9
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 AS1350

## 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

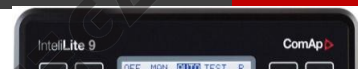
- With machine oil

Note: This drawing is provided for reference only and should not be used for planning installation. Contact your



## Standard Controller (ComAp AMF20 or 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, kVA <sub>r</sub> , 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.



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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