LG605D Powered by DOOSAN

Model	Frequency/RPM	Standby Power	Prime Power
LG605DY	60Hz/1800RPM	484KW	440KW
		605KVA	550KVA

* Voltages : 440/254

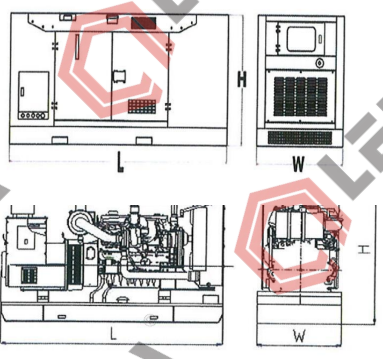
(1) Prime Power: Ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity.
(2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
(3) Operation at Altitude ≤1000m, Ambient temperature ≤ 40℃).If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

General Characteristics

Model	LG605DY
Engine	DOOSAN DP158LD
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)	3000mm	4350mm
Width (W)	1430mm	1600mm
Height (H)	1930mm	2260mm
Net Weight (KG)	3180kg	4270kg



Engine Specification

Brand		DOOSAN
Model		DP158LD
No. of Cylinders and Cycle		8V, 4 Stroke
Compression Ratio		15:01
Displacement (L)		14.618
Bore x Stroke (mm)		128 x 142
Piston Speed (m/s)		8.5
Air Intake Flow (m³/min)		34.2
Exhaust Flow (m³/min)		100
Net Engine Weight (kg)		1155
Starting System		Electronic
Engine Coolant Flow (L/min)		660
Base Output Power (kW)		505
Fuel Consumption (L/h)	100% load	127.1
	75% load	92.9
	50% load	62.3
	25% load	35.2

	Thermostat adjusting temperature (℃)	71-85
	Coolant capacity-engine only(L)	20
Fuel System	Fuel injection pump model	Bosch in-line "P"type
	Total Drain Flow (constant for all loads) (L/h)	315
Lubricating System	Low idle (kPA)	100
	Rated speed (kPA)	250
	Max. oil temperature permitted in oil pan (℃)	120
	Lubrication system Min. capacity (L)	13
Exhaust System	Max. Back Pressure (kPA)	5.9
Electrical System	Starter (V)	24
	Battery charging system (A)	45

Alternator Specification

Poles	No.	4

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℃)

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

Control	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)	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.

Distributed By:

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