

LG13.8F Powered by Perkins

Model	Frequency/RPM	Standby Power	Prime Power
LG13.8P	50Hz/1500RPM	11KW	10KW
		13.75KVA	12.5KVA

* Voltages: 230/400V

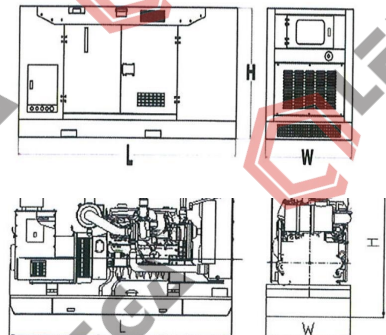
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG13.8P
Engine	perkins 403A-15G1
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	12
Frequency	50Hz
Engine Sped(RPM)	1500
Controller Model	AMF IntelliLite 9 or DEEPSEA DSE6020)

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	1550mm	2000mm
Width (W)	730mm	730mm
Height (H)	1300mm	1140mm
Net Weight (KG)	530KG	640kg



Engine Specification

Brand	Perkins	
Model	403A-15G1	
No. of Cylinders and Cycle	3L, 4 Stroke	
Compression Ratio	22.5:1	
Displacement (L)	1.496	
Bore x Stroke (mm)	84 x 90	
Piston Speed (m/s)	4.5	
Air Intake Flow (L/s)	18.3	
Exhaust Flow (L/s)	45	
Net Engine Weight (kg)	197	
Starting System	Electronic	
Engine Coolant Flow (L/s)	0.63	
Base Output Power (kW)	12.2	
Fuel Consumption (L/h)	110% load	4.08
	100% load	3.67
	75% load	2.79
	50% load	2.04

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	tba
	Thermostat adjusting temperature (°C)	82-95
	Minimum Pressure of Radiator Cap (kPA)	90
	Coolant capacity-engine only(L)	2.6
Lubricating System	Low idle (kPA)	120
	Rated speed (kPA)	359
	Max. oil temperature permitted in oil pan (°C)	125
	Lubrication system Min. capacity (L)	4.5
Exhaust System	Max. Back Pressure (kPA)	10.2
Electrical System	Starter (V)	12
	Battery charging system (A)	15

Alternator Specification

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Connection type (standard)		STAR
Insulation	®	Class" H"
Enclosure (according IEC-34-5)		IP23
Exciter system		Shunt or Arep
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)

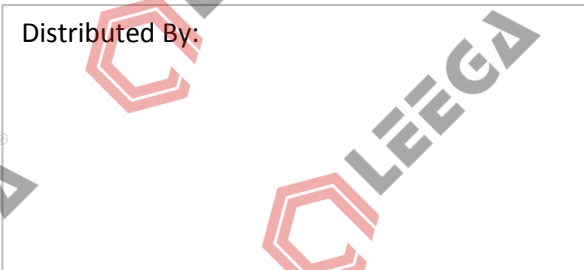
Control	Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank	
Indications	Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVAR, kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge)	AMF IntelliLite 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	
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)	DSE6020

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



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