



LG38.5F Powered by Perkins

Model	Frequency/RPM	Standby Power	Prime Power
LG38.5P	60Hz/1800RPM	30.8KW	28KW
		38.5KVA	35KVA

* Voltages: 254/440V

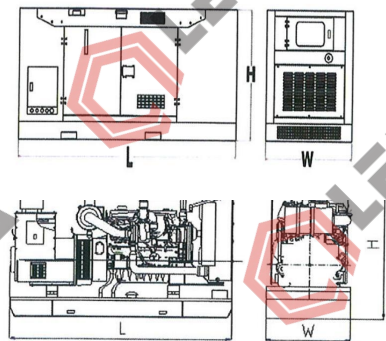
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG38.5P
Engine	Perkins 1103A-33G
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	12
Frequency	60Hz
Engine Speed(RPM)	1800

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	1780mm	2250mm
Width (W)	750mm	850mm
Height (H)	1480mm	1290mm
Net Weight (KG)	800KG	1000KG



Engine Specification		
Brand	Perkins	
Model	1103A-33G	
No. of Cylinders and Cycle	3L, 4 Stroke	
Compression Ratio	19.25:1	
Displacement (L)	3.3	
Bore x Stroke (mm)	105 x 127	
Piston Speed (m/s)	7.62	
Air Intake Flow (m ³ /min)	2.6	
Exhaust Flow (m ³ /min)	6.4	
Net Engine Weight (kg)	412	
Starting System	Electronic	
Engine Coolant Flow (L/min)	151	
	110% load	9.5
Fuel Consumption (L/h)	100% load	8.6
	75% load	6.6
	50% load	4.9

	Minimum Pressure of Radiator Cap (kPa)	107
	Coolant capacity-engine only(L)	4.4
Fuel System	Fuel injection pump model	Rotary
	Max. oil temperature permitted in oil pan (°C)	125
	Lubrication system Min. capacity (L)	6.2
Exhaust System	Max. Back Pressure (kPa)	10
Electrical System	Starter (V)	12
	Battery charging system (A)	65



Connection type (standard)	
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 BS6000, 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)

Control

- Auto/Start/Stop Control
- Emergency Stop Pushbutton/ Alarm
- Engine Cool Down Timer
- Warm - up Timer
- Load Switching Timer



Indications	Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVA _r , 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	 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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