

LG1650 Powered by Perkins

Model	Frequency/RPM	Standby Power	Prime Power
LG1650P	60Hz/1800RPM	1320KW	1200KW
		1650KVA	1500KVA

* Voltages: 254/440V

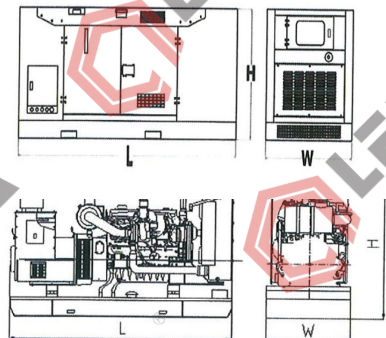
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

Model	LG1650P
Engine	Perkins 4012-46TWG2A
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)		12192mm
Width (W)		2438mm
Height (H)		2896mm
Net Weight (KG)		16200KG



Engine Specification

Brand	Perkins	
Model	4012-46TWG2A	
No. of Cylinders and Cycle	12 ,60V, 4 Stroke	
Compression Ratio	13.6:1	
Displacement (L)	45.842	
Bore x Stroke (mm)	160 x190	
Piston Speed (m/s)	11.4	
Air Intake Flow (m ³ /min)	109	
Exhaust Flow (m ³ /min)	235	
Net Engine Weight (kg)	5540	
Starting System	Electronic	
Engine Coolant Flow (L/min)	1000	
Base Output Power (kW)	1055	
Fuel Consumption (L/h)	110% load	321
	100% load	288
	75% load	tbc
	50% load	tbc

	Minimum Pressure of Radiator Cap (kPA)	70
	Coolant capacity-engine only(L)	73
Fuel System	Fuel injection pump model	Delphi
Lubricating System	Low idle (kPA)	340
	Rated speed (kPA)	450
	Max. oil temperature permitted in oil pan (°C)	105
	Lubrication system Min. capacity (L)	115
Exhaust System	Max. Back Pressure (kPA)	5
Electrical System	Starter (V)	24

Alternator Specification

Poles	No.	4
Connection type (standard)		Series Star
Insulation		Class" H"

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



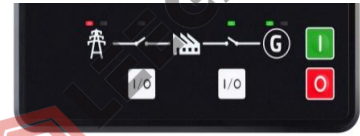
Standard Controller (ComAp AMF20 or DEEPSEA DSE6020)

Control

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



Load Switching Timer
Engine Cycle Crank



AMF IntelliLite 9

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)



DSE6020

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

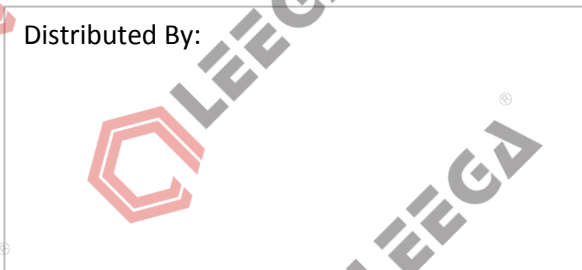
IP 65 (if ordered with gasket)
Basic Scheduler
8 - 35V DC Supply
Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)
Event Log (5 shutdowns)

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



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Distributed By:



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