LEEGA ®

LG270P Powered by Perkins

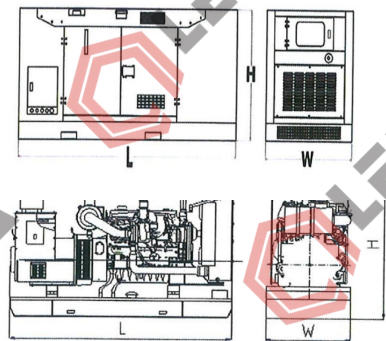| Model	Frequency/RPM	Standby Power	Prime Power
LG270P	60Hz/1800RPM	216KW	196KW
		2270KVA	245KVA

* 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 ≤1000m, Ambient temperature ≤ 40℃).If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

General Characteristics

Model	LG270P
Engine	Perkins 1506A-E88TAG1
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)	2670mm	3700mm
Width	(W)	1030mm	1280mm
Height	(H)	1760mm	2120mm
Net Weight	(KG)	2100KG	3180kg

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Engine Specification

Brand	Perkins
Model	1506A-E88TAG1
No. of Cylinders and Cycle	6L, 4 Stroke
Compression Ratio	16.1:01
Displacement (L)	8.8
Bore x Stroke (mm)	112 x 149
Piston Speed (m/s)	8.9
Air Intake Flow (m³/min)	18.6
Exhaust Flow (m³/min)	42.1
Net Engine Weight (kg)	1135
Starting System	Electronic
Engine Coolant Flow (L/min)	190

	110% load	59.5
Fuel Consumption (L/h)	100% load	54.2
	75% load	41.6
	50% load	29.3

	Minimum Pressure of Radiator Cap (kPA)	110
	Coolant capacity-engine only(L)	13.9
Fuel System	Fuel injection pump model	Rotary
	Maximum Fuel Inlet Temperature (℃)	79
	Max. oil temperature permitted in oil pan (℃)	120
	Lubrication system Min. capacity (L)	36
Exhaust System	Max. Back Pressure (kPA)	10
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 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

Exhaust System

• Protection board from heat

Cooling System

• Front heat protection
• Coolant (-30℃)

Lubricating System

• With machine oil

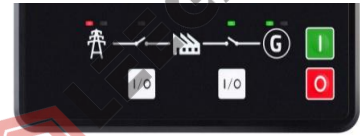Note: This drawing is provided for reference only and should not be used for planning installation.Contact your

Standard Controller (ComAp AMF20 or DEEPSEA DSE6020)

Control	Auto/Start/Stop Control
	Emergency Stop Pushbutton/ Alarm
	Engine Cool Down 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)
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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