



# LG35P

Powered by Perkins

Model	Frequency/RPM	Standby Power	Prime Power
LG35P	60Hz/1800RPM	28KW	26KW
		35KVA	32.5KVA

\* Voltages: 254/440V

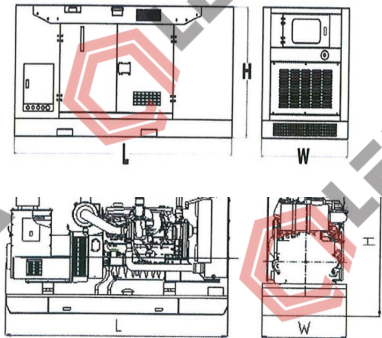
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq$  1000m, Ambient temperature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

## General Characteristics

Model	LG35P
Engine	Perkins 404D-22TG
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)	1630mm	2100mm
Width (W)	730mm	850mm
Height (H)	1350mm	1290mm
Net Weight (KG)	680kg	800KG



Engine Specification		
Brand	Perkins	
Model	404D-22TG	
No. of Cylinders and Cycle	4L, 4 Stroke	
Compression Ratio	23.3:1	
Displacement (L)	2.216	
Bore x Stroke (mm)	84x 100	
Piston Speed (m/s)	6	
Air Intake Flow (m <sup>3</sup> /min)	2.49	
Exhaust Flow (m <sup>3</sup> /min)	7.5	
Net Engine Weight (kg)	242	
Starting System	Electronic	
Engine Coolant Flow (L/min)	56.2	
	110% load	9.3
Fuel Consumption (L/h)	100% load	8.3
	75% load	6.2
	50% load	4.9

	Minimum Pressure of Radiator Cap (kPa)	90
	Coolant capacity-engine only(L)	3.6
Fuel System	Fuel injection pump model	Cassette
	Maximum Restriction at Lift Pump (kPa)	10
	Max. oil temperature permitted in oil pan (°C )	125
	Lubrication system Min. capacity (L)	8.9
Exhaust System	Max. Back Pressure (kPa)	10.2
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 BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2 and IEC 1350

## 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



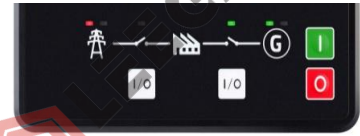
## Standard Controller (ComAp AMF20 or DEEPSEA DSE6020)

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

Control



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

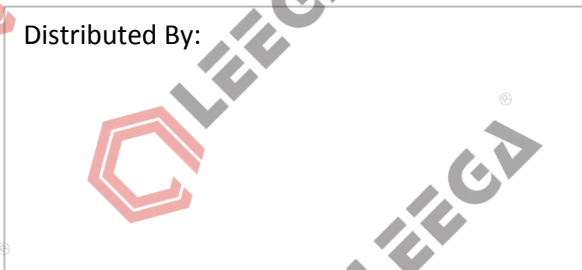
IP 65 (if ordered with gasket)  
Basic Scheduler  
8 - 35V DC Supply  
Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)  
Event Log (5 shutdowns)

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



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