

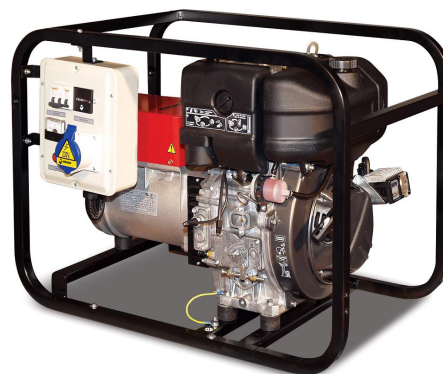
## Technical specifications

### Diesel Prime Gensets

# L 12

Voltage: 230 V

Frequency: 50HZ



## ■ TECHNICAL INFORMATION

Standby Power (ESP)	kVA	0
	kW	0
Prime Power (PRP)	kVA	10,6
	kW	8,5
Mechanical structure	Open skid on baseframe	
Engine	LOMBARDINI 25 LD 425-2	
Alternator	SINCRO FK2MBL	
Measures (L x W x H)	mm	915 x 665 x 660
Empty weight	kg	169
Fuel tank	L	4

Voltages	Prime Power (PRP)		Standby Power (ESP)	
	(kVA)	(kW)	(kVA)	(kW)
230	10,6	8,5		

#### Notes:

CONTINUOUS POWER: Electrical power data available at a variable load without limits of hours per year. An overload of 10 % is allowed for 1 hour of every 12. In accordance with ISO 8528/1 (2005) – PRP

EMERGENCY POWER: Electrical power data at variable load in an emergency in accordance with standard ISO 8528/1 (2005) – ESP. Overloads of emergency power are not allowed.

The standard reference conditions are: 25 °C, 100 kPa and 30% relative humidity. Gasoil density: 0.85 g/cm3. Gasoline density: 0.68 g/cm3.

## ■ INDEX

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Grupos Electrógenos Europa, S.A. is a certified company with ISO 9001, ISO 14001, OHSAS 18001 and PECAL

GESAN reserves the right to modify any characteristic of their equipment without prior warning.

Photographs representing the product range, while able to include options.

Weight and dimensions of a standard generator set.

Non-contractual document

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## ■ GENERAL DESCRIPTION

Generator set installed on a bedplate, with electrical operations panel and control panel for monitoring the generator set start-up and shutdown process as well as the correct operation of all the components by monitoring the essential parameters, and in given time, a proper management of the warnings and alarms.

## ■ ENGINE

Low speed LOMBARDINI diesel 4 stroke engine, air cooled and direct injection, with natural intake and mechanical regulation of the engine speed.

Engine brand	LOMBARDINI	Bore (mm)	85
Model	25 LD 425-2	Stroke (mm)	75
R.P.M.	3.000	Compression ratio	19:1
Net power (kWm)	10,5	Type of regulation	Mecánica
Fuel	Diesel	Europe exhaust emission	EU0
No. of cylinders	2 L	EPA exhaust emission	EPA0
Engine Capacity (c.c.)	851	TA-Luft exhaust emission	TA-Luft 0

### Cooling System

Cooling by air circulating around the engine block.

Flow of air from fan (m³/min)	11,8	Design temperature radiator (°C)	No
Cooling type	Air		

### Lubrication System

Oil capacity (l)	2	Maximum oil consumption (% fuel consumption)	0,1
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### Air intake system

Air intake system for combustion with filtering device original from the engine manufacturer.

Intake air flow (m³/min)	1,1	Air inlet filter type	Light
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### Start system

Start system that uses an electrical motor, battery and battery charge alternator that is driven by the engine itself. The start motor and the battery charge alternator are originals from the engine manufacturer.

Starter voltage system (V)	12	Battery type	1 x 12V 45Ah - 400A
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### Fuel supply system

Fuel intake system original from engine manufacturer with filter.

Fuel tank capacity (L)	4		
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**Fuel consumption panel (range according to the standard configuration)**

Load	Prime Power (PRP)		Standby Power (ESP)	
	(l/h)	Range (h)	(l/h)	Range (h)
25%				
50%				
75%	1,8	2,2		
100%	2,4	1,7		

## ■ ALTERNATOR

Sincro alternator with one bearing greased for life, H class insulation, with brushes and with compound voltage regulation , which grants it an overload capacity 3 times the nominal current.

<b>Brand</b>	SINCRO	<b>IP Alternator</b>	IP 23
<b>Model</b>	FK2MBL	<b>Excitation system</b>	COMPOUND
<b>Alternator Power (kVA)</b>	12 / Continua (H)	<b>Performance at 100% p.f. 0.8 (%)</b>	79
<b>Number of wires</b>	4		

## ■ ELECTRIC PANEL

Electric panel integrated in the genset with connected indication lamp.

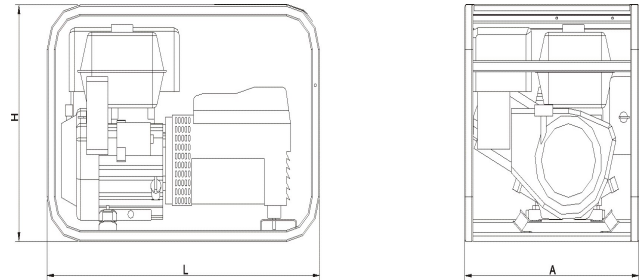
<b>Circuit Breaker rated current (A)</b>	2P 40A	<b>Ammeter</b>	1
<b>Earth Leakage Protection</b>	1	<b>Voltmeter</b>	1

Sockets mounted in electrical panel.

1 x 16A SCHUKO IP44	1 x 32A CEE 2P+G IP44
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## ■ DIMENSIONS AND WEIGHT

Lenght, L (mm)	915
Width, A (mm)	665
Height, H (mm)	660
Weight (kg)	169



## ■ PERFORMANCE CLASS

Execution class in accordance with ISO 8528/5 (2005) taking into account the behaviour of the generator set in a permanent mode of operation with different load levels, as well as in a temporary mode of operation due to shocks in the load.

Performance class	G1
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## ■ REGULATION

The generator set has a CE Marking that includes the following directives:

- 2006/42/CE Machine Safety.
- 2006/95/CEE Low Voltage.
- 2004/108/CE Electromagnetic compatibility.
- 97/68/CE Gases and contaminating particles emissions.
- 2005/88/CE Noise emissions of machines outdoors in soundproof generator sets.

Applicable international regulations:

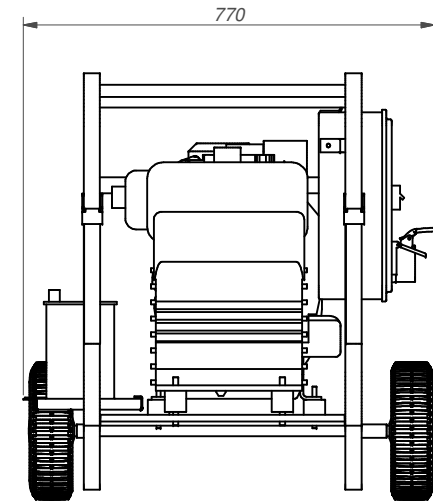
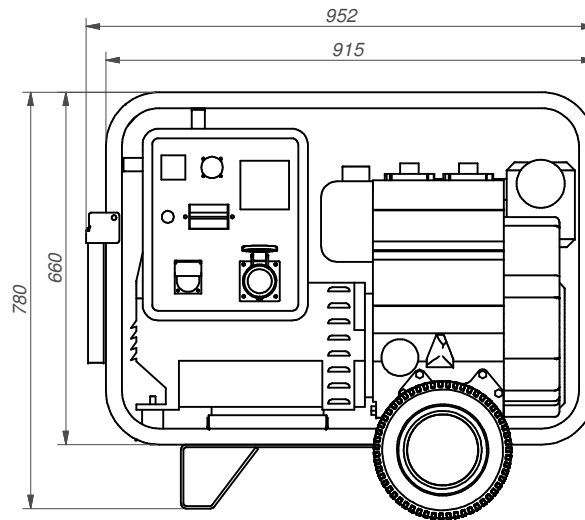
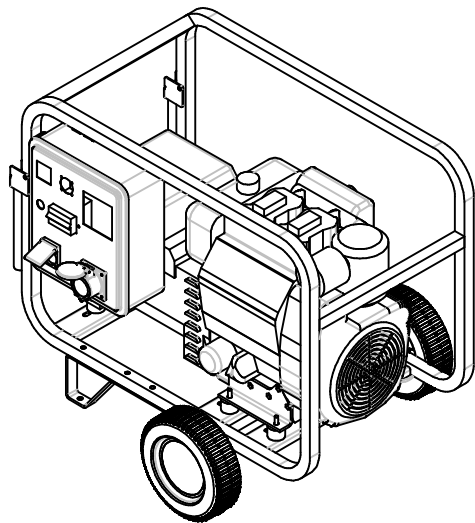
- ISO 8528
- ISO 3046
- BS 5000
- IEC 60034

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OPCION RODADURA  
WHEELS AND HANDLE OPTION  
OPTION ROUES ET BRANCARD DE MANOEUVRE

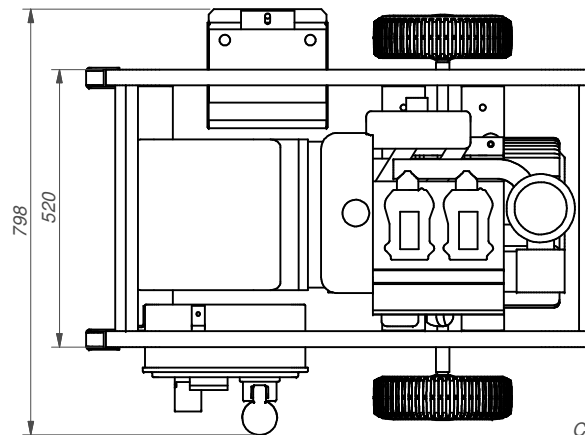


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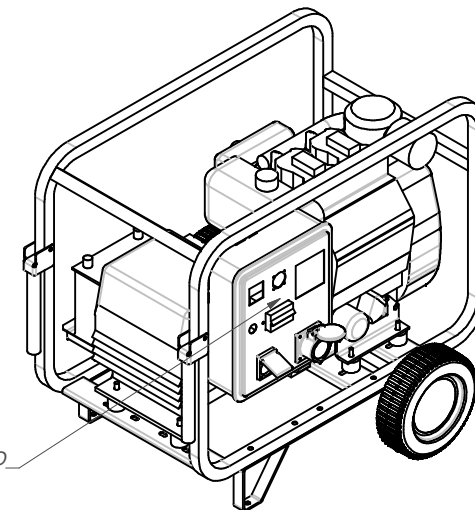
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
CUADRO ELECTRICO  
ELECTRIC PANEL



A

A

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 <b>GESAN</b>	Fecha creación:	21/11/2011	Creado por:	ogonzalez	Nº Plano:
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