

AL 500-CA - LOMBARDINI 15LD-440 DIESEL 3000 rpm | 50 Hz

**SINGLE PHASE
230 V**

TECHNICALS SPECIFICATIONS



Image for guidance purposes.

Model:

AL 500

Gen set composed of engine and alternator perfectly assembled and fitted in a practical tubular chasis, that is adding great strenght and versatility.

STANDBY POWER:
(LTP "Limited Time Power" norma ISO 8528-1) **5,5 kVA**

Genset general characteristics

Standby power LTP (kVA)	5,5
Prime Power PRP (kVA/kW)	5
Frequency (Hz)	50
R.p.m.	3000
Voltage (V)	230
(Cos ø)	1

ENGINE CHARACTERISTICS

MAKE	MODEL
LOMBARDINI	15LD-40

Mechanical effect power (kWm)	6,7	Start	Automatic main failed
No. cylinders	1	Fuel	Diesel
Displacement (cm³)	441	Fuel tank capacity (L)	5
Diameter x stroke (mm)	86x76	Fuel consumption 100% (L/h)	2
Compresion ratio	20,3:1	Oil tank capacity (L)	1,5
Cooling system	Air	Oil consumption (kg/h)	0,0048
Series regulator	Mechanical	Battery V/Ah	12/19

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ALTERNATOR CHARACTERISTICS

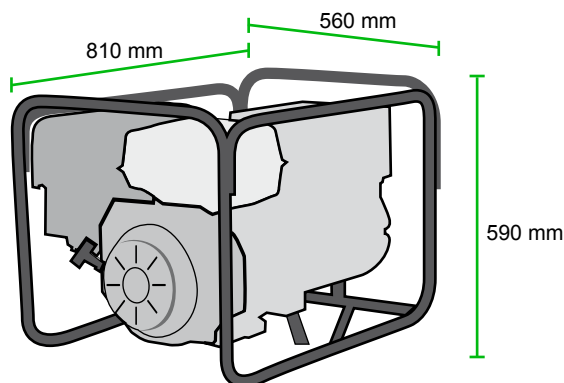
Voltage (V)	230
Frequency (Hz)	50
R.p.m.	3000
No. poles	2
Protection degree IP	21
Insulation	H

SOCKETS DESCRIPTION:

Single phase version: 2 MONOPHASE SCHUKO SOCKETS 16A and termic protection.

DIMENSIONS AND WEIGHT

Lenght (mm)	810
Width (mm)	560
Height (mm)	590
Weight (kg)	114



OPTIONAL

TRANSPORT KIT

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DSE 6020 AUTOMATIC CONTROL PANEL WITH LOAD TRANSFER SWITCH PANEL

PROTECTION, DISTRIBUTION AND AUTOMATIC CONTROL panel which starts the generator set when it detects a mains failure and stops it when the mains is restored with the control unit DSE 6020. It also starts and stops the group manually via a pushbutton or remote start-up by contact.



Images for guidance purposes.

It has the following:

- 1** EMERGENCY STOP PUSHBUTTON
- 2** PROTECTIONS
 - Protection fuses for control module.
- 3** BATTERY CHARGER

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- 4 DSE 6020 PROTECCION CONTROL MODULE.** It has a digital LCD screen, which provides easy reading of the information regarding the **ENGINE, ALTERNATOR, MAINS and CHARGING.**

READINGS that can be made:

ENGINE:

- Cooling temperature
- Oil pressure
- Turning speed (rpm)
- Fuel level
- Battery voltage
- Battery alternator voltage
- Operating hours
- Number of start-ups

ALTERNATOR AND CHARGE:

- Voltages between phases and between phases and neutral.
- Intensities
- Frequency

MAINS:

- Frequency
- Voltages between phase and neutral (L-N)

CONTROL of the set:

- STARTS and STOPS the set when mains failure is detected and when it is restored, respectively
- It can also operate MANUALLY or REMOTELY via contact

Protection of the engine and alternator, with the ALARMS activated:

ENGINE:

- Low oil pressure
- High coolant temperature
- Low and High battery Voltage.
- Failure of the alternator to charge batteries
- Low fuel level.

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ALTERNATOR:

- Low and High Voltage
- Low and High Frequency
- Overload due to Intensity (A)

MAINS:

- Low and High Voltage
- Low and High Frequency

OTHER CHARACTERISTICS:

- The real-time clock records the last 5 events.
- Configurable inputs and outputs.
- Configurable alarms and timers.
- USB connectivity
- Fully configurable via software and PC.
- Communication via USB cable for remote control
- Programmer Clock which starts and stops the set on a weekly basis for maintenance, etc..
- ALTERNATIVE CONFIGURATIONS, which open up the working possibilities

5 **DISTRIBUTION :**

- Direct output of the magnetothermal switch.

6 **2 POLES SWITCH BOARD.**