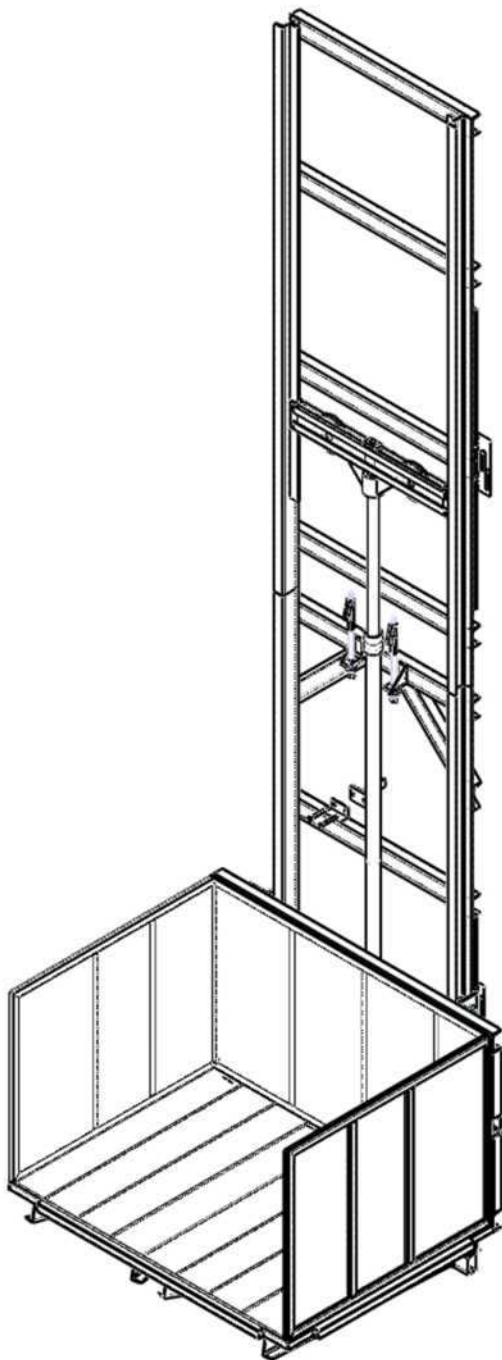


OPERATING MANUAL

DHS-DHD HYDRAULIC PLATFORMS



ORIGINAL MANUAL

OPERATING MANUAL - DHS/DHD PLATFORMS

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1. - INTRODUCTION

The owner is responsible for the correct use of the platform and must meet the following requirements to ensure suitable safety conditions:

- Use the elevator according to the instructions described in this procedure.
- Prevent the operation of the machine if you are aware that it does not meet the proper operating conditions.
- Notify the maintenance company about any anomaly in the machine.
- In case of an accident, notify the maintenance company and the competent authorities.
- If the machine has been out of service for a long time, ask the maintenance company to carry out an overall inspection of the machine.

2. - MANUFACTURER

BUSINESS NAME: Difusión Hidráulicas Lluís, S.A.

Address: calle Garbí 21-23, Vilamalla 17469 (Girona)

Authorized representative:

3. - SCOPE OF APPLICATION

This procedure applies to all activities involving the installation, use and maintenance of platforms made by DIFUSIÓN HIDRAULICAS LLUIS, S.A. with the following general characteristics:

- Model DHS and DHD elevating platform
- Rated load: up to 10,000 kg
- Rated maximum speed: 0.15 m/s
- Maximum travel: 14 m
- Hydraulic drive
- Traction: 2:1

4. - DIRECTIONS FOR USE

4.1. - INTENDED AND UNINTENDED USE

3.1.1 INTENDED USE

For the correct operation of the elevator, take account of the following recommendations:

- Load and unload the elevator in an orderly and safe manner.
- As much as possible place the load uniformly inside the surface of the platform and within its structure gauge.
- Do not load goods that can damage the machine.
- Respect the elevator's maximum load.
- Do not tamper with elements of the platform, any job in the machine must be carried out by competent personnel.

3.1.1 UNINTENDED USE

In no way should the platform be used in the manner described below or in the following situations:

- **Under no circumstances should the elevator be used for the transport of persons**
- Do not use the elevator in case of fire or flooding.

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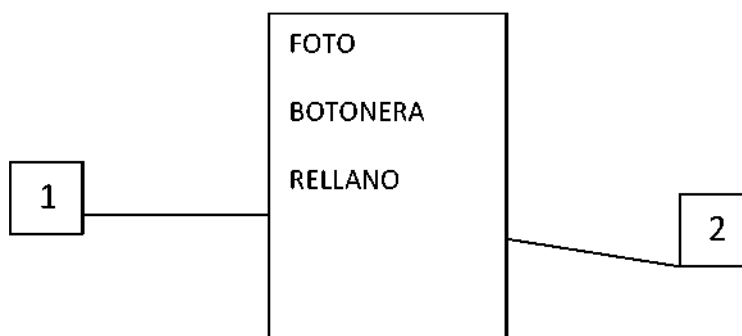
- Do not force the landing doors with the elevator running.
- Do not press the stop buttons unnecessarily.
- Do not use the platform if you are aware or suspect that the machine can have some problem or does not meet some safety requirement
- Do not use the platform if it has been out of service for an extended period; ask the installer to carry out a preventive inspection

4.2. - SIGNS AND SYMBOLS

In the installation of the platform are various types of posters and symbols whose purpose is to inform, prevent and facilitate control instructions. Keep them in perfect condition and replace them if they are illegible or the information provided can lead to erroneous interpretations.

4.3. - CONTROL PANEL

In all the defined stops of the platform there is a pushbutton panel with the following elements:



- **Stop button:** device that stops the elevator at any moment.
- **Floor buttons:** carries out calls and sends the elevator to the specific floors of the machine (one button for each floor served).
- **Overload warning light:** advises when the platform is overloaded

4.4. - NAMEPLATE

The platform has a nameplate indicating the elevator's maximum load, manufacturer information and an identifying number.

4.5. - PROHIBITION OF USE BY PERSONS

Using the platform to transport people is strictly forbidden. There is a plate that expressly indicates the prohibition of use by persons in each floor landing.

5. - OPERATION OF THE MACHINE

The elevator operates in the manner described below:

- **Calling the elevator**

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From any landing and with the doors closed, the user can call the elevator by pressing in the control panel the floor in which the user is located.

- **Loading and unloading**

Once the platform has stopped, open the access door and carry out the loading or unloading. While the access door is open, the elevator will not respond to any call by other users. Once the loading and unloading are finished, close the access door.

- **Sending the elevator to another floor**

From the landing in which you are located push in the control panel the floor where you wish to send the platform.

- **Emergency stop**

The control panel at all the landings has an emergency stop button that instantaneously stops the elevator when pressed. Actuation of said button cancels any other command.

6. - DOCUMENTATION AND GENERAL RECOMMENDATIONS

Please take account of the following indications:

- Keep the platform documentation in good use during all its life, giving it to the new owner in case ownership changes.
- Keep the entranceways in the floors free of obstacles.
- Keep the access areas as well as loading and unloading areas of the elevator illuminated.
- Keep the areas where the control and hydraulic unit are installed illuminated.
- In case of fault or emergency, always call the company in charge of maintenance in order to verify whether the machine may be damaged.

7. - PRECAUTIONS AND SAFETY MEASURES

- With the exception of the elevator's maintenance personnel, under no circumstances should you access the pit or structure gauge of the elevator.
- Only authorized personnel can handle the control switchboard. Before handling the control, disconnect the main power switch.
- Do not tamper with the hydraulic equipment, it contains pressurized oil. If it is necessary to lower the elevator manually, follow the instructions in the next clause.
- The entire electrical installation will be connected to a ground line to prevent the risk of electrostatic discharge.

8. - INSTRUCTION FOR THE MANUAL LOWERING OF THE PLATFORM

If the platform stops inappropriately and you have to unload it before the arrival of specialized maintenance personnel, there is a procedure for lowering the platform safely to the ground floor:

- If the platform has wedges:
 - o If these are activated and in the floor, control is impossible
 - o If the platform is out of level, open the manual descent valve for the rescue
- If the platform does not have wedges:
 - Open the manual descent valve

In any case, if there is a double shutoff valve for the cylinder, open this as well.

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If you are unsure of the type of platform installed, wait for the arrival of qualified personnel.

9. - CAB OVERLOAD CONTROL SYSTEM

The elevator is equipped with a device that controls overload. If this value is exceeded, startup will be impossible and you will be notified of this by a luminous and acoustic signal located on the control panel.

10. - RETURN TO GROUND FLOOR

The platform manufacturer recommends that the platform be sent to the ground floor if you anticipate that it will not be used for more than 6 hours.