

USER INSTRUCTION MANUAL

EQUIPMENT: Lift 0.15 m/sec. in accordance with DM
2006/42/CE MODEL: DHE-400

MANUFACTURER:

DIFUSIÓN HIDRÁULICA LLUÍS, SA.

**Polígono Industrial Vilamalla
C. Garbí, 21-23
17469 VILAMALLA**

**DIFUSION
HIDRAULICA LLUÍS s.a.**



Carefully read this document prior to using the lift. Maintain these instructions in a secure accessible place. For any doubts, please consult the installation company.



This lift is designed solely and exclusively for the vertical movement of personnel.

CE DECLARATION OF CONFORMITY

Company: DIFUSIÓN HIDRAÚLICA LLUIS, S.A.
P. I. Vilamalla – C/. Garbí, 21-25
17469 – Vilamalla (Girona – Spain)
Tel. 972 52 50 12 / Fax 972 52 54 77

Declares, under sole and exclusive responsibility, that the lift:

Brand / Model	DHLLUIS / DHE	Installation management:
Serial No.	E -	
Year of manufacture		
Capacity (Kg)	400	
Velocity (m/sec.)	0.15	
Run (mm) / Stops	/	
Useful surface area (m ²)		
Power (CV)	3	
		OWNER STREET, NUMBER POST CODE - CITY (PROVINCE) COUNTRY

CE marking granted with **ECA** number:
CE-0056-MD-DHL-060-16-ESP

Issued by notified bodies:

ECA - ENTIDAD COLABORADORA DE LA ADMINISTRACIÓN, S.L. UNIPERSONAL

Agency No. NB 0056

Av. Can Fatjó dels Aurons, 9 Parque empresarial A-7 Edificio Palausibaris
08174 Sant Cugat del Vallés – Barcelona (SPAIN)

In accordance with the provisions of the Machinery Safety Directive 2006/42/EC and the Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU

Reference Standards: EN 12100 :2010

The signatory of this statement is authorized to compile the technical file.

Vilamalla on

Signed Jaume Llobet Daunis
Technical Department

CONTENTS

1.	INTRODUCTION	6
2.	MANUFACTURER	6
3.	FIELD OF APPLICATION	7
4.	DIRECTIONS FOR USE	7
5.	SIGNS AND SYMBOLS	8
6.	CONTROL BUTTON PANEL	9
7.	NAMEPLATE	10
8.	INSTALLATION OPERATION	10
9.	GENERAL DOCUMENTATION AND RECOMMENDATIONS	12
10.	PRECAUTIONS AND SAFETY MEASURES	12
11.	INSTRUCTIONS FOR THE MANUAL LOWERING OF THE LIFT	12
12.	CAB OVERLOAD CONTROL SYSTEM	13
13.	MAINTENANCE	13

1. INTRODUCTION

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

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

2. MANUFACTURER

Business name: DIFUSIÓN HIDRÁULICA LLUÍS, S.A.

Address: P.I. VILAMALLA
C/. Garbí 21-23
17469 - VILAMALLA (GIRONA)
Tel. 972 52 50 12 – Fax. +34 972 525-477
info@dhlluis.com – www.dhlluis.com

Authorized representative:

3. FIELD OF APPLICATION

The lift under review in this DHE model manual, manufactured by DIFUSIÓN HIDRAULICA LLUIS, S.A., is designed for the vertical movement of personnel, covering a maximum lift height of 25 m, with a maximum velocity of 0.15 m/sec and a maximum load of 400 kg.

GENERAL TECHNICAL DATA	
Velocity	0.15 m/sec.
Maximum height	25 m
Drive	Direct electrical firing without counterweight
Nominal load	400 kg
Minimum pit	80 mm
Standard pit	200 mm
Reinforced pit	400 mm
Minimum high lift shaft escape	2200 mm
Surface Max.	2 m ² i 1.6 m ² (EN 81/41)
Voltage	230 Vac
Frequency	50 Hz
Power	3 CV

4. DIRECTIONS FOR USE

4.1. INTENDED AND UNINTENDED USE

4.1.1. INTENDED USE

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

- Enter and exit the lift in an orderly and safe manner.
- Passengers must be distributed as uniformly as possible within the lift.
- Do not load goods that can deteriorate the lift.
- Respect the lift's maximum load.
- Do not tamper with elements of the lift; all tasks corresponding to the lift, must be carried out by competent personnel.
- The lift is equipped with UPS in order for emergency tasks in the event of electrical power failure.

4.1.2. UNINTENDED USE

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

- Do not use the lift in case of fire or flooding.
- Do not force the landing doors with the lift in operation.
- Do not press the stop buttons unnecessarily.
- Do not use the lift in the event of problems or non-compliance of safety requirements.
- Do not use the lift if it has been out of service for an extended period; ask the installer to carry out a preventive inspection.

5. SIGNS AND SYMBOLS

The lift is equipped with 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 if the information provided can lead to erroneous interpretations.

6. CONTROL BUTTON PANEL

Control buttons, for both the cab as well as the landing, may have different symbols or abbreviations. The following details some of the symbols or abbreviations used for this line of lifts.



**BUTTON PANEL DISCONNECT
LATCHKEY**

If the key is not connected, the lift buttons remain inactive.



**EMERGENCY STOP MUSHROOM
BUTTON**



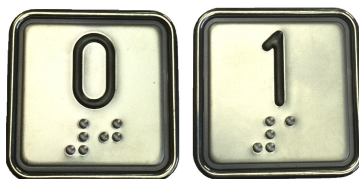
DOOR OPEN BUTTON



ALARM BUTTON



OVERLOAD ALARM



**CAB DESTINATION SELECTION
BUTTONS**



EXTERIOR CALL BUTTONS

NOTE: the images displayed are orientative and may not coincide with the buttons supplied.

7. NAMEPLATE

 DIFUSION HIDRAULICA LLUIS S.A. Polígono Ind. Vilamalla - C/Garbí, 21-23 Tel. 972 52 50 12 - Fax 972 52 54 77 17469 VILAMALLA - GERONA (ESPAÑA)	
	
Model	DHE
Load	400 Kg
Serial No.	
Year of manuf.	
Remarks	2Cv - Vel. 0.15

The nameplate indicating manufacturer data and lift characteristics is located in the interior of the lift.

8. OPERATION OF THE MACHINE

The lift operates in the manner described below:

- **Exterior Button Panels**

From any landing and with the doors closed, the user may call the lift by pressing the call button in the button panel located to the side of the door.

- **Entry and Exit**

Once the lift has arrived and stopped, the doors open manually or automatically, if equipped with cab doors. Enter and exit the lift in an orderly fashion.

Manual doors close automatically when released. Automatic doors close upon requested destination from any button panel, or after having exceeded a set amount of time (closed, on standby).

- **Cab Button Panels**

No cab door but with photoelectric curtain: once inside, wait until the door is closed in order to select the destination; maintain button depressed.



RISK OF ENTRAPMENT

DO NOT APPROACH THE OPENING, THE PHOTOELECTRIC CELL ONLY COVERS THE FREE SPACE UP TO A HEIGHT OF 1.8m (180cm).

With cab door: once inside, select the destination; button selection is automatic.

**IN COMPLIANCE WITH HARMONISED
STANDARD 81/41:**



- Cab button panels are equipped with a disconnect latchkey (user restricted). Button selection is maintained.

- These are placed on each door, 500 mm from the bottom of the poster.



- **Emergency stop**

In the cab button panel is an emergency stop mushroom button with interlock, which instantly stops lift movement. Activation of said button cancels all other commands.

- **Telephone**

With bi-directional telephone: in the event of entrapment requiring emergency services, use the telephone installed by dialling any number in order to request rescue.

With SAR emergency telephone: in the event of entrapment requiring emergency services, press the alarm button and a call is generated to the company's 24 hour maintenance service.

9. GENERAL DOCUMENTATION AND RECOMMENDATIONS

Please take account of the following indications:

- Maintain lift documentation in good condition during its entire life, providing it to the new owner in case ownership changes.
- Maintain lift accesses free of obstacles.
- Maintain lift access areas well lit.
- Maintain areas where lift manoeuvre panels are installed well lit.
- In the event of malfunction or emergency, always call the company in charge of maintenance in order to verify whether the lift may be damaged.

10. PRECAUTIONS AND SAFETY MEASURES

With the exception of lift maintenance personnel, under no circumstances do not access the elevator pit or shaft.

- **Use of emergency key:** opening of the doors when the lift is between floors may only be carried out by trained personnel. Doors not fully closed are a hazard. There is a risk of falling if a person tries to open the door without noticing that there is no lift.

Only authorized personnel may operate the control switchboard. Before handling the control, disconnect the main power switch.

- **Electrical panel:** it is prohibited for unauthorised personnel to operate or access the electrical panel, or any personnel without required protection, in accordance with the law on prevention of occupational hazards.

If it is necessary to lower the lift manually, follow the instructions in the next point.

The entire electrical installation shall be connected to a ground line in order to prevent the risk of electrostatic discharge.

11. INSTRUCTIONS FOR MANUAL LOWERING OF THE LIFT

In the event of electrical power failure, the lift is equipped with UPS in order to lower the lift.

In the event of an unanticipated stop of the lift due to power supply failure, the contracted maintenance company must be notified.

12. CAB OVERLOAD CONTROL SYSTEM

The lift is equipped with load cells that control excessive load. If this value is exceeded, startup will be impossible and a luminous acoustic alarm located on the control panel is activated.

13. MAINTENANCE

The lift owner shall contract maintenance from a qualified company.

Designation, by the owner, of trained personnel, for tasks that may be carried out by an entity different than the maintenance company:

- Cleaning of immediate parts
- Cleaning of the cab interior
- Observation of proper lift operation
- Emergency operations (only trained personnel)
- Taking lift offline, when permitted

Said company shall maintain an incident log indicating all interventions carried out.

In the event that any operating anomaly is detected, the maintenance company shall be notified.