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UPDINAMIC S.r.l.

Via Modigliani, 22
37045 LEGNAGO (VR)

USER MANUAL

Rev. 00.00 - 08/09/2020

DL2 SMART CAR LIFT/GOODS LIFT

SERIAL NUMBER:

_____

THE OWNER MUST KEEP THIS MANUAL AND THE ATTACHMENTS LISTED BELOW IN THE UTILITY SHAFT:

☒ MACHINE BOOLET

☒ INSTALLATION MANUAL

☒ ELECTRIC SYSTEM MANUAL

☒ MAINTENANCE MANUAL

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WARNING

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WARNING

The lift may not be put into service until the user has read through and fully understood this manual.

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1. DEFINITIONS

DEFINITIONS AND LIFT COMPONENTS

Refer to the EN 292, EN 81-1, EN 81-2, EN81-3, prEN 81-41, EN81-28 standards for the definitions of the terms used in this manual as well as the following definitions.

Maintenance:

All operations necessary to ensure safe operation according to the intended use of the system and its components after installation is complete and for its entire life cycle.

Maintenance includes:

- Lubrication, cleaning, etc. (except the external parts of the lift shaft and internal cleaning of the cabin).
- Checks.
- Driver rescue operations (only for lifts with SPB system).
- Calibration and adjustment operations.
- Repairs or replacements of components, which may be due to wear or failure, but do not alter the system characteristics.

Not to be considered maintenance operations are:

- Replacement of the main components, such as duct, roof, cabin, control panel, etc.
- System replacement.
- System modernization, including modification of any system features (e.g. speed, travel, capacity, dimensions, etc.)
- Rescue operations are carried out by the fire brigade.

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Maintenance organisation:

A company or part of a company whose maintenance technicians carry out maintenance operations on behalf of the system owner.

Maintenance technician:

A qualified and trained person (see EN ISO 9000) assigned to carry out maintenance, who has practical knowledge and experience, is given the necessary instructions and is supported by the maintenance organisation so that the required maintenance operations can be carried out in safety.

Manufacturer:

A natural or legal person who assumes the responsibility for designing, constructing and marketing both the car lift and its safety components.

Installer:

A natural or legal person who assumes the responsibility for installing goods lift systems for goods only and car lift systems with and without driver on board.

System:

A fully installed goods lift for goods only and car lift with or without driver on board.

System owner:

A natural or legal person who has the power to plan for the system and the responsibility for its use and operation.

Emergency:

An abnormal situation in which the person in the car lift may need help from the outside.

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Fault:

A situation in which safe use of the platform for the intended use is limited or impossible.

Repair:

Replacement or repair of defective and/or worn components.

Notified Body:

An organisation that has been accredited by a Member State to assess whether a product to be placed on the market meets certain preordained standards and ensures that the procedures for putting systems into service and their surveillance are followed in accordance with the Machinery Directive.

2. LIFT DEFINITIONS

Car lift:

A car lift system with or without driver on board.

Goods lift:

A goods lift system with or without operator on board.

Platform:

A structure consisting of a load-bearing platform in striated sheet metal and a steel frame.

Carriage:

A metal frame to which the platform is secured with 4 bearings for sliding in the guides.

Guides:

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A metal structure anchored to a wall composed of two C-shaped profiles for carriage sliding.

Utility shaft:

A section outside the lift shaft in which the electric panel and the hydraulic control unit are housed.

SPB system:

A system that allows safe movement of the car lift with the driver on board equipped with all the features necessary for emergency situations.

SDE system:

A system for car lift descent to the lower floor even in the event of a power failure.

DL2:

A single-column lift anchored to a load-bearing wall. It can be used as goods lift or car lift with or without driver on board.

Movement may occur in a duct with or without external landing and protected by appropriate perimeter barriers.

The platform is equipped with railings on the long sides and photoelectric barriers on the access sides.

On the floors, the lift shaft is accessible only through the electromechanically controlled landing doors. If there is an external landing, it is advisable to provide for protection roofing against atmospheric agents.

WARNING

Use the platform only for the intended use agreed upon at the time of sale: Goods lift or Car lift with or without person on board.

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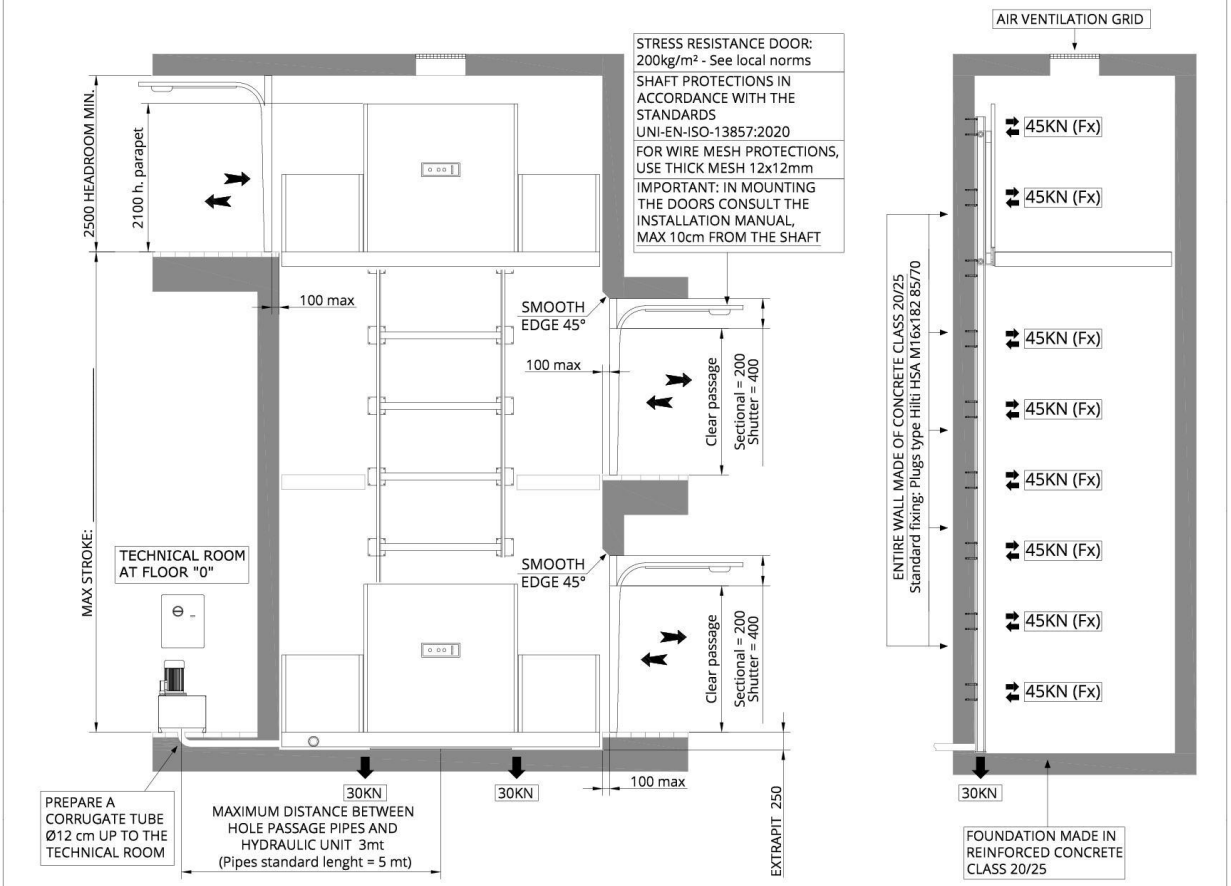
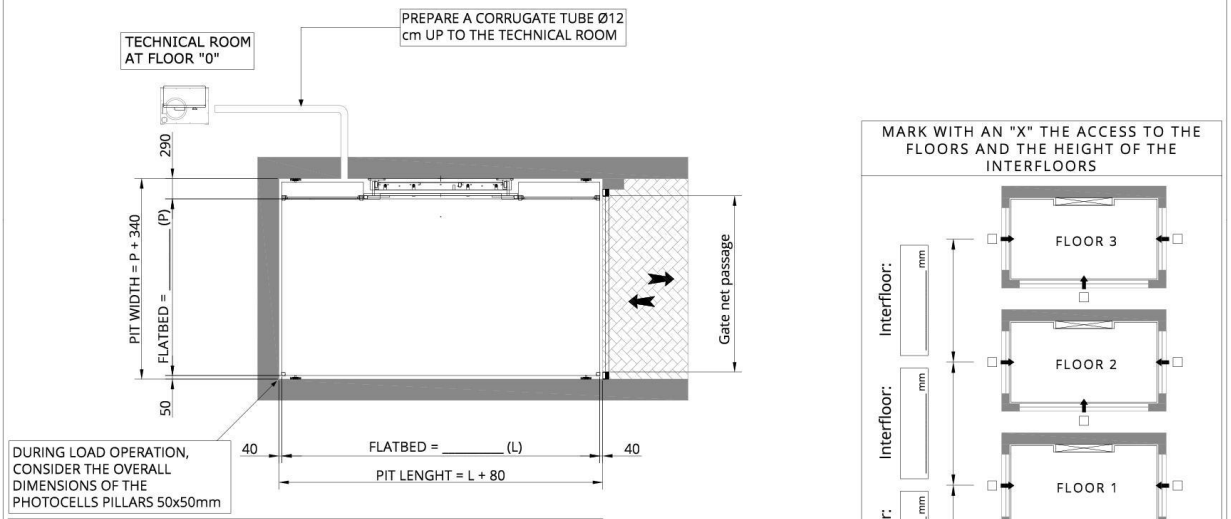
3. LIFT DIAGRAM

Goodslift Mod. DL2 SMART (Person on Board System) | Capacity: 3000 Kg | Stroke: Max 16000





PREPARE A LINE PH+N+T (GND) or 3PH+N+E ,PROVIDE AUTOMATIC MAGNETOTHERMIC BREAKER CURVE "C" WITH DIFFERENTIAL , Id = 0.3A					
Motor	Tension-functioning	Starter	Suggested switch*	Rated current	Starter current
5,5kW	240 V - 3Ph	Direct	3x20A id=0,3A	17	51
	400 V - 3Ph	Direct	4x16A id=0,3A	10	30
7,5kW	240 V - 3Ph	Direct	3x25A id=0,3A	23	70
	400 V - 3Ph	Direct	4x16A id=0,3A	13,5	42
9,2kW	240 V - 3Ph	Direct	4x20A id=0,3A	17	51

NOTE: ANY REDUCTION OF THE SPACE BETWEEN THE PLATTFORM AND THE THRESHOLD IS AT THE EXPENCE OF THE CUSTOMER. ANY COMPENSATION MUST INCLUDE A SMOOTH EDGE OF 45° INSIDE THE SHAFT.

IMPORTANT: IN MOUNTING THE DOORS CONSULT THE INSTALLATION MANUAL, MAX 10cm FROM THE SHAFT

DIMENSIONS in mm

CE DATE: _____ APPROVAL SIGNATURE: _____

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CLIENT: DESIGNER: DATE: 27/07/20
DRAWING N°: TAV-DL2SMART TABLE.: 01
DESCRIPTION: MODEL: DL2 SMART SPB MAX STROKE: 16000mm
REF.: REVISION: REPLACE REV. N°:
Formato Foglio A3 Scala
WITH OPERATOR ON BOARD

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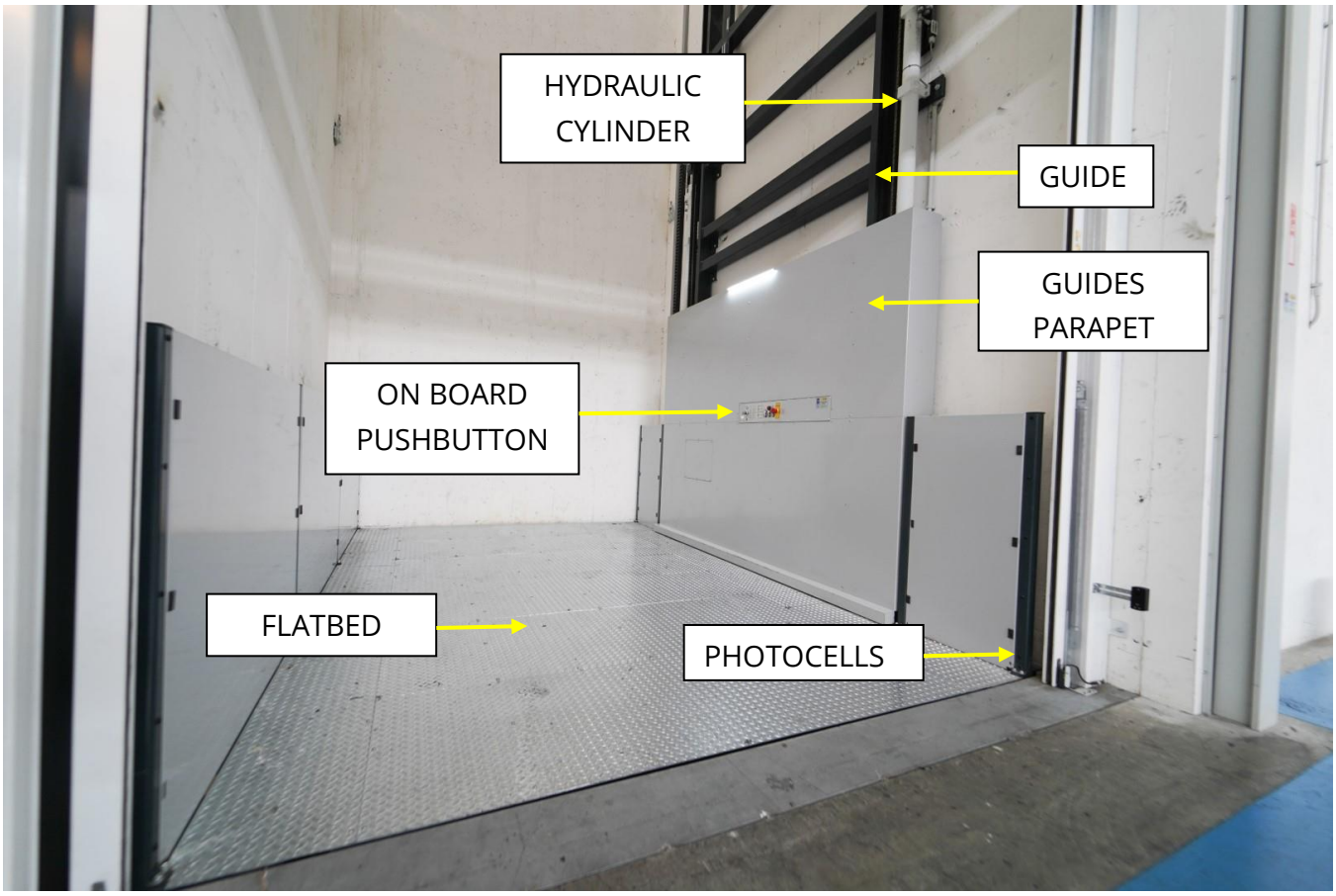
4. COMPONENTS



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5. OBLIGATIONS OF THE OWNER

WARNING

Following the instructions provided in this document will allow safe operation of the lift during movement, installation, operation and maintenance at the same time ensuring its good functioning and profitability.

UPDINAMIC S.r.l. declines all responsibility for damage to property and/or people as a consequence of negligent use of the lift or failure to observe the instructions contained in this manual.

WARNING

Only authorised persons may use the lift. The owner must ensure that anyone authorised to use the lift has read through and fully understood this manual and therefore knows how to use the lift in safe conditions. Safe use is guaranteed only if the instructions contained in this manual are strictly observed.

Any person authorised to use the lift must have a copy of the manual.

Putting the system into service

The system may not be used and put into service before the company appointed to carry out the installation has issued the test certificate. Following issuance of the test report, the system owner is obliged to adhere to any national or other regulations, where pertinent, and to the relative system maintenance requirements. In any event, scheduled maintenance must be carried out the first time the system is put into service.

In Italy, refer to the extract of the following decree for notification of the new lift installed:

SUBJECT: Requirements for installation and maintenance of goods lift systems

In accordance with letter F of Pres. Decree 162 of 30 April 1999, the installation company must have the required professional technical qualifications. In addition, with regard to Art. 12 “Putting car lifts and goods lifts into private service”, the owner or his legal representative has to notify the competent municipality or the competent independent province according to its statute when putting into service a car lift or goods lift not intended for a public transport service.

Furthermore, you are informed that in accordance with Art. 15 “Maintenance” of the above mentioned decree:

For purposes of preservation of the system and its normal operation, the owner or his legal representative is obliged to have maintenance of the entire car lift or goods lift

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system carried out by a person holding a qualification certificate or by a specialized company, i.e. an EC operator with equivalent specialization who must operate with qualified personnel.

Depending on the system requirements, the maintenance technician must periodically:

A) Check proper functioning of the mechanical, hydraulic and electrical devices and, in particular, the doors and locks.

B) Check the conditions of the cables and chains.

C) Carry out normal part cleaning and lubrication operations.

The maintenance technician must carry out lift maintenance at least once a year.

The maintenance company and the owner must reciprocally communicate any operations to be carried out in order to unfailingly guarantee proper functioning of the platform in complete safety and in compliance with the regulations in force.

In addition, the owner has the duty of:

- Ensuring that in the building where the system has been installed, an organisation is arranged such as to guarantee immediate response to emergency calls in an effective manner and without delays.
- Taking the appropriate measures so that the system is not improperly used or in a way different from what is described in the user manual accompanying this manual.
- Ensuring that the landing doors are not opened by anyone other than authorised and qualified persons.
- Ensuring that the first time the system is put into service, the installer has carried out all the checks and tests according to the regulations in force and that a test report is issued.
- Ensuring that when the lift is put into service, the installer provides the following documentation: lift manual, user manual, maintenance manual and additional documentation with reference to the specific national requirements.
- Putting the system out of service in the event of hazardous situations.

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- Making a stepladder available in the utility shaft suitable for reaching the lift pit in case of maintenance by a specialized technician.

The owner has the duty of informing the maintenance organisation:

- In the event of system malfunctioning.
- In the event of a change in the environment directly connected to the system.
- After putting the system out of service following a hazardous situation.
- Before any modification to the system or the surrounding environment directly connected to the system.
- Before inspections, checks or work carried out by third parties on the system or the environment directly connected to the system.
- Before putting the system out of service for an extended period of time.
- Before putting the system back into service after a long period of being out of service.
- The access ways to be used and the building evacuation procedures in case of fire.
- The place where the access keys to the reserved areas are located.
- The persons that have to accompany the maintenance technician to the system.
- The PPE to be used in the access ways.

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6. OBLIGATIONS OF THE EMPLOYER

Extract of Leg. Decree 81/2008

Art. 71

Obligations of the employer

8. The provisions in paragraph 4 being understood, the employer shall ensure that:

1) The working equipment whose safety depends on the installation conditions is subjected to an initial check (after installation and before putting into service) and a final check after every system installation at a new site or in a new place in order to ensure correct installation and good functioning.

11. Other than the provisions in paragraph 8, the employer shall subject the working equipment listed in Annex VII to periodic inspections with the frequency indicated. The first of these inspections is carried out by the Institute for the Prevention and Safety at Work (ISPESL) and the subsequent ones by the Local Health Authority (ASL). The inspections are onerous and the expenses are to be borne by the employer.

12. ASL and ISPESL may use qualified public or private subjects to carry out the inspections according to paragraph 11. Qualified private subjects acquire the qualification as public service officials and report directly to the public organisation owning the function.

13. The procedures for carrying out the periodic inspections according to Annex VII, as well as the criteria for qualification of public or private subjects according to the previous paragraph are established by decree of the Minister of Labour and Social Security and the Minister of Health, having heard the permanent Conference for relations between the state, regions and independent provinces of Trento and Bolzano, to be adopted within twelve months from the date of coming into effect of this decree.

14. With decree of the Minister of Labour and Social Security, having heard the Ministers of Health and Economic Development, in agreement with the permanent Conference for relations between the state, regions and independent provinces of Trento and Bolzano and having heard the consulting Commission according to Article 6, the amendments to Annex VII are made relative to the list of working equipment to be subjected to the inspections according to paragraph 11.

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Annex VII

Equipment inspections

Equipment	Operation/frequency
Lifting equipment with a capacity of over 200kg. Fixed type materials operating in particular sectors (e.g. constructions, iron and steel, harbours, extraction) with year of manufacture not prior to 10 years	Two-yearly inspections
Lifting equipment with a capacity of over 200kg. Fixed type materials operating in other sectors with year of manufacture not prior to 10 years	Three-yearly inspections

WARNING

Modifications not authorised in writing by UPDINAMIC S.r.l. technicians may compromise the safety of use of the lift and in any case invalidate the warranty.

DANGER

For extraordinary maintenance of the CityCube CMC-CL-CMF-CMF car lifts, contact UPDINAMIC S.r.l Technical Service.

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7. WARRANTY

The lift is covered by warranty for manufacturing defects for a period of 24 (twenty-four) months starting from the date of issuance of the external test report. At the time of installation/purchase, the purchaser must check the lift and immediately report any handling and/or transport damage. The warranty becomes null and void in the event of damage caused by improper use of the lift and failure to observe the instructions contained in this manual.

Excepting contractual amendments, for a customer that has a VAT registration number, the period of warranty is 12 months from the date of issuance of the test report and covers manufacturing defects for electrical equipment, bodywork and mechanical parts.

For a private customer, the period of warranty is 24 months from the date of issuance of the test report and covers manufacturing defects for electrical equipment, bodywork and mechanical parts.

The period of warranty indicated is subordinate to stipulation of a contract for the half-yearly inspection and preventive maintenance operations.

At the time of installation/purchase, the purchaser must check the lift and immediately report any handling and/or transport damage. The warranty becomes null and void in the event of damage caused by improper use of the lift and failure to observe the instructions contained in the user manual.

The warranty covers only replacement of parts resulting defective at our final judgement. The warranty becomes null and void in the event of improper use and/or maintenance. The warranty excludes material shipping costs, travelling expenses and the cost of hours of travel of our technicians and shall always be borne by the customer.

The period of warranty starts from the date of delivery of the materials.

This warranty is invalidated if the lift:

- Has been damaged due to improper use, voluntarily damaged or improperly tested.
- Has been damaged following failure to observe the instructions or rules given in this manual.
- Has not been maintained or repaired strictly following the instructions given in this manual.
- Has been damaged due to use of parts, accessories or elements not explicitly approved by UPDINAMIC S.r.l for specific use with the lift.
- Has been altered or modified in any way.

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- Has been damaged following natural calamities, such as earthquakes, flooding, etc.
- Has been installed by unqualified persons and/or not explicitly authorised by UPDINAMIC S.r.l.

These warranty conditions do not have an effect on the legal rights of consumers.

The warranty conditions may vary depending on the country in which the lift was purchased.

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8. GENERAL WARNINGS

This manual contains the instructions for use and safety with the aim of providing the user with all the information relating to use of the system.

This manual is an essential part of the lift and must be carefully kept together with it. Should it be damaged or lost, a copy must be requested from the manufacturer. The contents of this manual are in compliance with Directive 2006/42/EC.

It is therefore advisable to:

- Read all the instructions before using the lift for the first time.

- Meticulously carry out each operation described observing the safety rules.

- Keep a copy of this manual in the immediate vicinity of the place of installation of the lift so that the operators can consult it at any time in case of need.

UPDINAMIC S.r.l. declines all responsibility for damage caused to persons or things due to:

- Non-observance of these instructions and safety rules.

- Change of destination.

- Improper use of the lift.

- Any modifications made to the lift without the permission of the manufacturer.

When reading this manual, pay attention to the symbols listed below.

DANGER
The rules and/or instructions marked with this symbol regard safety. This symbol indicates that if the operations described are not correctly carried out, the operators are exposed to risks of injury, long-term harm or death.

WARNING
The rules and/or instructions marked with this symbol regard safety. This symbol indicates the hazards to which the operators are exposed during lift operation. If the rules marked with this symbol are not followed, the lift may be damaged with consequent hazards to the operators.

PROHIBITED
The rules and/or instructions marked with this symbol regard operations that absolutely **MUST NOT** be carried out. Non-observance of these rules may damage the lift and/or cause serious hazards to the operators.

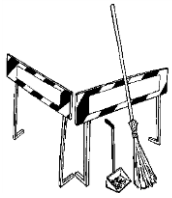
IMPORTA

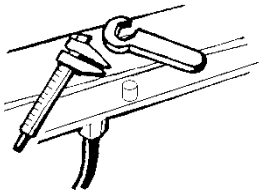
IMPORTANT
This symbol indicates that particular attention should be paid when carrying out cleaning and/or maintenance operations. Non-observance of these rules may damage the lift and/or cause serious hazards to the operators or others.

9. BASIC SAFETY RULES

The inspection, maintenance and installation operators must have the required qualifications. In Italy, the installation company must have the required professional technical qualifications (letter F of Pres. Decree 162 of 30 April 1999).
The lift owner must ensure that anyone who has access to the control devices has read through and fully understood this manual and the accompanying maintenance manual. It is also important that the owner have the operators comply with the regulations and/or requirements depending on the place of installation.

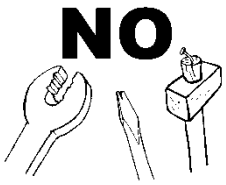
WARNING
The working environment must be kept clean and tidy. In particular, the danger zones must be duly marked off.





WARNING
Do not leave working tools and materials on the lift (or anywhere else where they may interfere with the mechanical movements of the lift) or where they can fall and cause damage to persons and/or things.

WARNING
Every tool is to be used only for the purpose for which it was designed and in the most suitable way. Any tool that has deteriorated or is in poor conditions is a potential hazard.



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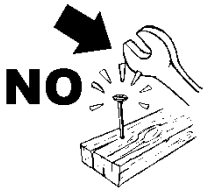
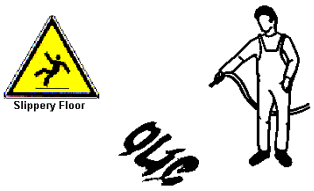


WARNING
Flapping clothing (e.g. scarves, ties, etc.) is a potential hazard. Always work wearing tight-fitting clothes.

WARNING
Oil and grease spilled on the floor must immediately be removed to prevent any risk of slipping and falling.



10. INTENDED USE

Dinamic Lift DL2 Smart is an lifting equipment for cars or goods (according to the intended use specified at the time of sale) designed exclusively to transport a car and/or non-flammable material on a loading platform that moves along rigid guides and connects defined floors. The lift has been designed to operate at an ambient temperature between -25°C and +40°C.

The Dinamic Lift DL2 Smart lift is available in various models with different dimensions of the loading platform and different maximum flow rate:

Model	Maximum platform dimensions [LxW]	Maximum capacity [kg]
DL2 Smart	6000 x 2250 5290 x 2500	3000
DL2 Smart-DEC1	6000 x 2500 4200 x 3000	2500
DL2 Smart-DEC2	6000 x 2825 4200 x 3400	2000
DL2 Smart-MAG1	6000 x 2100 5290 x 2250	3500
DL2 Smart-MAG2	4750 x 2150	4000

DANGER

Do not for any reason overload the lift. The nominal liftable load is to be understood as the maximum total weight that can be loaded on the lift and does not refer to, for example, only the empty weight of the vehicle lifted.

DANGER **PROHIBITION**

Do not place concentrated loads of more than 1500kg on the platform.

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DANGER
Exclusively use original accessories and spare parts explicitly approved by UPDINAMIC S.r.l for use with Dinamic Lift.

Dinamic Lift may only be used by persons over the age of 18, who must have read and understood this manual and follow the rules below.

The lift may only be used for the purpose for which it was constructed.

The electrical connection must be made to a protected mains according to the safety regulations in force.

Only a maintenance technician is allowed to access the box without a car.

DANGER **PROHIBITION**
Dinamic Lift may not be used by persons under the age of 18.

Dinamic Lift may not be used when under the influence of alcohol or drugs.

DANGER **PROHIBITION**
The lift may exclusively be used for the purpose for which it was sold (indicated in the contract). If the system is identified as "Car lift", it is strictly prohibited to use it to transport goods ("Goods lift"); vice versa, if it is identified as "Goods lift", it is strictly prohibited to use it to transport cars.

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11. UNINTENDED USE

It is specifically pointed out that Dinamic Lift is not a lift in the classic sense.

Only for the model with SPB system, you can transport the driver on-board the vehicle (car lift) or the operator close to the control station (goods lift).

Note for the car lift model with SPB system: during movement, the driver must stay in the vehicle.

DANGER **PROHIBITION**

Even when it is permitted to transport the driver on-board the vehicle, it is prohibited to get out of the car while parked on the platform and during transfer to the floors.

In particular, it is strictly prohibited to use Dinamic Lift to transport persons (except and limited to the operator or the driver on-board the vehicle), use it as scaffolding, wash vehicles or exercise compression forces on external objects.

No operation requires manual actions on the lift.

Every additional accessory or component installed or used with the lift must be counted in the weight lifted. UPDINAMIC S.r.l. does not assume any responsibility for any damage to property or people and/or to the lift caused by improper use of the lift and/or contrary to what is indicated in this manual.

Keep the car lift raised only for the time necessary to load the vehicle.

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DANGER **PROHIBITION**
Do not use Dinamic Lift to handle flammable objects.

DANGER **PROHIBITION**
Do not park LPG-powered vehicles on Dinamic Lift unless they are equipped with a gas detector and relative alarm system.

DANGER **PROHIBITION**
Do not use Dinamic Lift as deposit for goods and materials of any nature.

DANGER **PROHIBITION**
Do not use Dinamic Lift before having turned off the car engine and engaged the parking brake.

DANGER **PROHIBITION**
Do not activate the control devices without having full visual control of Dinamic Lift.

DANGER **PROHIBITION**
Before using the system, check that the lift shaft perimeter protection barriers are present and functioning of all the safety systems.

DANGER **PROHIBITION**

Except for model SPB, it is strictly prohibited to transport persons on the lift.
Only for model SPB, it is strictly prohibited to transport persons other than the operator on the lift.

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12. RISKS ARISING FROM NON-OBSERVANCE OF THE SAFETY REGULATIONS AND RULES

Non-observance of the safety regulations and rules may damage the lift, cause harm to the operators and/or the environment, and forfeiture of the warranty on the lift. Damage deriving from non-observance of the safety rules may give rise to:

- Lift malfunctioning.
- Electrical and mechanical risks and/or hazards.

DANGER PROHIBITION

Never use the lift before having checked that all the emergency devices (limit switches, buzzer, etc.) are appropriately fitted, connected and working.

RESIDUAL RISKS

All the phases involved in the manufacturing process of Dinamic Lift - design, manufacture, choice of materials and final testing - have been carried out by UPDINAMIC S.r.l. with the utmost care and attention in order to guarantee maximum mechanical and engineering quality and compliance with the strictest safety standards. Nevertheless, it should be specified that despite:

- the attention paid during design;
- the care taken in and control of the manufacturing process;

some risks cannot be completely eliminated with the aid of protection systems because of the specific type of operation to be carried out. These residual risks are listed below. It is therefore absolutely necessary that the operator be informed of these risks and that the lift be used with the utmost care. The user must familiarize himself with the controls and the operations described in this manual in order to use the lift in safe conditions. This manual must always be kept together with the lift so that it can immediately be consulted in the future.

PINCHING AND SHEARING

This risk is present during normal operation, in an emergency situation and during maintenance.

The moving devices are equipped with appropriate guards that reduce the risk of crushing.

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DANGER PROHIBITION

Even when it is permitted to transport the driver on-board the vehicle, it is prohibited to get out of the car while parked on the platform and during transfer to the floors.

Do not touch, clean or lubricate moving devices.

CRUSHING

This risk is present during normal operation, in an emergency situation and during maintenance.

In order to carry out maintenance/repair operations, it might be necessary to access the pit in which the lift is positioned. An emergency switch is fitted in the pit, which deactivates the lift power supply, as well as some safety struts to be used if standing underneath the platform.

Before carrying out any maintenance operation, the lift power supply must be deactivated and the main switch locked with a padlock (not provided with the lift) to prevent reactivation.

DANGER

Before carrying out any maintenance and/or cleaning operation, completely lower the platform, unload the lift, raise the safety struts, check that there is no pressure in the hydraulic tubes and disconnect the power from the lift.

LOSS OF STABILITY

This risk is present during normal operation, in an emergency situation and during maintenance.

The user must check that the vehicle is correctly positioned on the platform according to the requirements indicated in this manual.

The lifting chains are dimensioned such that even if one of the four were damaged, the remaining three would in any case be able to support the load.

Should this occur, some sensors are fitted that will detect the fault allowing only the safe descent movement and disabling ascent until the damaged components have been restored.

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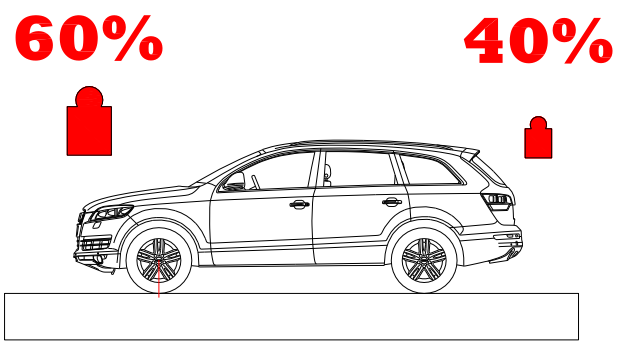
DANGER PROHIBITION

Do not overload the lift.

The nominal liftable load of 3000kg is to be understood as the maximum total weight that can be loaded on the lift and not, for example, only the empty weight of the vehicle lifted. The maximum permissible unbalance between the front and rear is 60%:40%.



Do not place concentrated loads of more than 1500kg on the platform.

Any other use of the lift is not permitted and has not been considered during design and could compromise the safety of the lift.

DANGER

Before using the lift, visually inspect it, in particular checking that the safety devices are not damaged. Do not for any reason operate the lift if you notice even the slightest damage.

HAZARDS ARISING FROM THE PRESENCE OF ELECTRICITY

This risk is present during normal operation, in an emergency situation and during maintenance if the connections to the electric system and/or the electric system itself does not conform to the applicable local safety regulations.

Connection of the power supply must be carried out by an authorised electrician according to the local regulations.

Before making the connections, disconnect the power supply. The wiring diagram and the electric panel labels show the information necessary for connection and the required power supply values.

DANGER
Before connecting the lift to the power line and/or before any maintenance operation, check that the main switch is in OFF (0) position.

DANGER
Do not connect the lift to the power line before having checked that the line fully conforms to the applicable local safety requirements. Also check that the power line can supply the necessary power and that the line is equipped with a ground circuit and a protection circuit.

The lift needs to be protected against the effects of lightning during use and must therefore be equipped so that any electric discharges are discharged to ground.

DANGER
The ground plate may not be sufficient to adequately discharge in the event of collision with high-voltage cables or lightning.

GENERIC HAZARDS

The following risks are present during normal operation, in an emergency situation and during maintenance.

DANGER
In order to prevent possible risks of shearing/crushing, any activation may only occur in maximum box visibility conditions taking the utmost care that people, animals or things are not standing or walking within or in the vicinity of the lift perimeter.

DANGER
In order to prevent possible risks of explosion, do not park LPG- powered vehicles on the lift unless they are equipped with a gas detector and relative alarm system.

DANGER

In order to prevent possible risks of fire, it is prohibited to use the lift to handle flammable substances or liquids of any nature. Before using the lift, check that there are no fluid leaks from the vehicle to be lifted. Immediately remove any fluids from the loading platform.

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It is in any case recommended to arrange for a fire extinguisher housing in proximity of the lift. Full efficiency of the fire extinguisher is guaranteed only if it is overhauled in the ways and times according to the laws in force.

DANGER

The intended and foreseeable lift operation is type intermittent and not continuous. Nevertheless, in particular operating conditions, the accessible surface of the motor may reach potentially hazardous temperatures. Before carrying out any maintenance operation, prepare appropriate personal protective equipment (protective gloves).

The main source of lift sound emission is the electric motor with a noise level of

L_{aeq} =84 dBA declared by the manufacturer. The risks arising from airborne noise emission are therefore reduced to a minimum.

WARNING

In the intended operating conditions, the risks arising from airborne noise emission are insignificant. Nevertheless, in particular operating conditions, the noise emitted by the motor may reach potentially hazardous exposure levels. Before carrying out any maintenance operation, prepare appropriate personal protective equipment (headset).

The vibrations emitted by the lift in the intended operating conditions are insignificant. In particular, the total vibration value to which the hands/arms are exposed does not exceed 2.5 m/s².

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13. MAKING MODIFICATIONS AND INSTALLING NON-ORIGINAL PARTS

It is prohibited to make modifications or fit spare parts and accessories not authorised by the lift manufacturer.

DANGER

Only the original UPDINAMIC S.r.l spare parts have been tested and approved for specific use on Dinamic Lift. The use of non-original spare parts and not approved by UPDINAMIC S.r.l for specific use on Dinamic Lift not only void the warranty but could also compromise the safety features of the lift.

11. WARNING SIGNS

DANGER

The lift user must be able to recognize all the pictograms on the lift and fully understand their meaning.

The safety pictograms may not be made illegible, damaged or removed from the lift. The lift owner and/or the person in charge of its use must immediately replace any pictogram that is damaged or even only partly illegible.

The following pictograms are present in the cabin and on the control panel:

Danger: follow the correct installation/maintenance procedures indicated in the manuals. Only trained and authorised persons are permitted to carry out installation/maintenance.

Warning: moving devices

DANGER

Do not overload the lift.

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It is prohibited to clean/lubricate moving devices

DANGER

Do not remove the safety devices

DANGER

It is prohibited to park gas-powered cars unless they are equipped with a gas detector and relative alarm system

DANGER

Check that the power line conforms to the applicable safety requirements.

Emergency button identification sign

It is prohibited to transport persons, except the driver of the vehicle (only for SPB models)

It is prohibited to go beyond the fencing. Moving lift.

Warning: replace the UPS batteries every 2 years in order to keep the emergency system operational

Electric panel powered; to cut the power, first disconnect the UPS

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The selector enables the emergency movement and allows descending even in the event of a power failure.
The emergency movement is to be understood as exceptional operation and is to be used only in case of no motive power.
Use the emergency movement only if strictly necessary. Never operate the lift in a way that could disable the emergency devices (limit switches, buzzer, etc.)

Warning: Risk of tripping

It is prohibited to park gas-powered cars unless they are equipped with a gas detector and relative alarm system

Warning: hot surface

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14. LIFT IDENTIFICATION DATA

The metal plate applied on the lift bears the following indelible information:

- Name of the manufacturer
- Lift designation
- Lift serial number
- CE marking
- Lift model
- Production status
- Year of manufacture

For any request for intervention or spare parts, it is advisable to always specify the data on the identification plate.

15. USING THE LIFT

Listed below is a series of information useful for proper use of the system and to understand the devices and the instructions given to the user.

A distinction is made between standard controls and warning lights and optional controls and warning lights, indicated with the symbol (☐) which will be crossed when they are present.

WARNING
Always check that there is enough space around the vehicle being transported in order to ensure proper use of the car lift.

DANGER
Do not use the car lift in poor or absent lighting conditions.

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16. CONTROLS, WARNING LIGHTS AND DEVICES OUTSIDE THE LIFT

CALL BUTTON FROM A FLOOR:
This is a white illuminated button, or a green illuminated selector for calling the goods lift to the floor where the operator is located. The command from outside is pulsed.
The button will be disabled if:
- the goods lift is on the same floor as the button
- the goods lift is already in motion.
- There is an ongoing operation inside the goods lift
- For 5 seconds following the conclusion of the ongoing operation inside the lift
- For 5 seconds from closing of the landing doors
- A safety device has been triggered or a door is open

Wait for the goods lift to arrive before starting the goods loading and unloading operations

FLOOR SEND BUTTON:
This is a white luminous button, or a green luminous selector for sending the goods lift to the floor where the operator is located. The command from outside is pulsed.

The button will be disabled if:
- the goods lift is on the same floor as the button
- the goods lift is already in motion.
- There is an ongoing operation inside the goods lift
- For 5 seconds following the conclusion of the ongoing operation inside the lift
- For 5 seconds from closing of the landing doors
- A safety device has intervened or a door is open

Wait for the goods lift to arrive before starting loading and unloading operations.

STOP BUTTON (red):
This is an emergency stop control to be used only in case of need if you think the movement of the goods lift is making it not safe.
Before resetting the button, set the system to a safe state.

LED ON BUTTON
The LED on the call or send button provides the following indications:
a) Off: the goods lift is off or on another floor in rest conditions.
b) On: the goods lift is stationary at the floor indicated by the button.
c) Flashing slowly: the goods lift is ascending or descending.
d) rapid flashing: indicates that the stop button has been pressed or a door has been forced open during movement and the goods lift has stopped and is waiting for the safety conditions to be restored before accepting other commands.

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PUSH-BUTTON PANEL WITH AUTOMATIC DOORS

CALL BUTTON FROM A FLOOR

It is a white light button for calling the goods lift to the floor where the operator is located. The command from the outside is "pulsed".
The button will be disabled if:
- the goods lift is on the same floor as the button
- the goods lift is already in motion.
- There is an ongoing operation inside the goods lift
- For 5 seconds following the conclusion of the ongoing operation inside the lift
- For 5 seconds from closing of the landing doors
- A safety device has been triggered or a door is open

Wait for the arrival of the goods lift before starting the loading and unloading of the goods

FLOOR SEND BUTTON:

This is a white luminous button, or a green luminous selector for sending the goods lift to the floor where the operator is located. The command from outside is pulsed.

The button will be disabled if:
- the goods lift is on the same floor as the button
- the goods lift is already in motion.
- There is an ongoing operation inside the goods lift
- For 5 seconds following the conclusion of the ongoing operation inside the lift
- For 5 seconds from closing of the landing doors
- A safety device has intervened or a door is open

Wait for the goods lift to arrive before starting loading and unloading operations.

STOP BUTTON (red):

This is an emergency stop control to be used only in case of need if you think the movement of the goods lift is making it not safe.
Before resetting the button, set the system to a safe state.

OPEN/CLOSE DOOR BUTTON (yellow):

It is an impulse control to manage the opening / closing of the door of the floor with a loading floor on the floor.

LED ON BUTTON

The LED on the call or send button provides the following indications:
a) Off: the goods lift is off or on another floor in rest conditions.
b) On: the goods lift is stationary at the floor indicated by the button.
c) Flashing slowly: the goods lift is ascending or descending.
d) rapid flashing: indicates that the stop button has been pressed or a door has been forced open during movement and the goods lift has stopped and is waiting for the safety conditions to be restored before accepting other commands.

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☐ RFID BADGE

This a protection device against intrusions and to allow access to the controls only to authorised persons; it consists of an RFID receiver in proximity of the controls; when a dedicated coded card is "swiped" on the receiver, the controls are activated for 30 seconds within which the operator must give a command to the car lift.

In this case, the buttons are "luminous anti-vandalism buttons".

- DOOR OPENING CONTROL

Warning: the closing systems are components OUTSIDE the car lift system and their use is not included in this manual.

Consult the use and maintenance manual of the manufacturer.

WARNING LIGHTS

FLASHLIGHT

The yellow or red flashlight is located in an area clearly visible from the control area and provides the following indications:

- Off: the car lift is off or on another floor in rest conditions.
- On: the car lift is stationary at the top floor.
- Flashing slowly: the car lift is ascending or descending.
- Flashing fast: indicates that the stop button has been pressed or a door has been forced open during movement and the car lift has stopped and is waiting for the safety conditions to be restored before accepting other commands.

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☐ LED ON BUTTON

The LED on the call or send button provides the following indications:

- Off: the car lift is off or on another floor in rest conditions.
- On: the car lift is stationary at the floor indicated by the button.
- Flashing slowly: the car lift is ascending or descending.
- Flashing fast: indicates that the stop button has been pressed or a door has been forced open during movement and the car lift has stopped and is waiting for the safety conditions to be restored before accepting other commands.

DEVICES

☐ PHOTOCELLS

The control photocells located on the box perimeter are active during car lift movement, interrupting its travel in case of intervention.

DANGER
The photocells are safety devices. Do not start the lift before having checked proper installation and functioning.

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17. CONTROLS, WARNING LIGHTS AND DEVICES ON-BOARD THE LIFT

CAR LIFT CONTROLS

☐ SPB PUSHBUTTON PANEL

WARNING

If the SPB pushbutton panel is disabled, safe use of the lift with the person on-board the vehicle is not guaranteed (e.g. in case of a UPS system failure).

- Key selector

This switch enables/disables the internal pushbutton panel; you can disable the SPB pushbutton panel by setting the selector to OFF and removing the key. In this case, the lift can only be controlled via the external pushbutton panels.

- Control joystick

This device can be used to control lift operation from the inside both during ascent and descent.

The device is a "hold-down control" and the car lift stops when it is released. To continue the movement, again push the joystick in the desired direction.

Where the optionals provide, moving the joystick lengthwise drives opening of the external accesses to the floors when the lift is in position and in a safe state.

- STOP BUTTON (red)

This is an emergency stop control to be used only in case of need if you think the movement of the car lift is making it not safe.

Before resetting the button, set the system to a safe state.

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- Key selector for emergency movement

This selector enables the emergency movement and allows descending even in the event of a power failure.

DANGER

Before and during each operating cycle, check that the safety devices function properly.

Stop using the lift and immediately call UPDINAMIC S.r.l Technical Service if the safety devices do not seem to function as they should.

- Emergency descent button

This button is activated (lights up) only when the emergency button is pressed.

When the emergency descent button is pressed you can only safely go down to the lower floor by holding it down until the lift comes to a complete halt at the lower floor.

If also external access control is present, this system is operational also in emergency by means of the UPS.

GOODS LIFT CONTROLS

SEND BUTTON TO FLOOR + RUN BUTTON:
This control consists of a white luminous button to send the goods lift to the destination floor and a key selector with return.
Inside the lift, there is a deadman double hold-down control; the system will accept the command only if the landing button and the RUN key selector are simultaneously activated in a fraction of 1 second.
The button must be held down until the loading platform arrives at the desired floor.

WARNING: during ascending movement the system always passes beyond the arrival floor, then to automatically perform a descending positioning manoeuvre at low speed.
Release the command only when the floor light becomes constant.

The button will be disabled if:
the goods lift is on the same floor as the button
A safety device has intervened or a door is open

Wait for the goods lift to arrive before starting the goods loading and unloading operations.

THE CONTROLS INSIDE THE LIFT HAVE PRIORITY OVER THE CONTROLS OUTSIDE THE LIFT

STOP BUTTON (red):
This is an emergency stop control to be used only in case of need if you think the movement of the goods lift is making it not safe.
Before resetting the button, set the system to a safe state.

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GSM RESCUE BUTTON (GREEN OR YELLOW):
This is a pulse control that sends a rescue message via a GSM control unit to the phone numbers selected during installation.

GSM REMOTE RESCUE

The emergency call system is a standalone system with a pushbutton panel on board; upon activation of the emergency button it immediately calls the rescue station of the lift maintenance company (*) via the GSM dialler or fixed line.

CABIN COURTESY LIGHT
This an 18W - 24V DC white fluorescent neon light controlled by the goods lift program.

To keep the on-board light constantly switched on press the emergency stop

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PHOTOCELLS ON BOARD THE CABIN

The open sides of the cabin are provided with safety photocells.
2 photocell ranks are present on each side
It is sufficient to interrupt one rank only to halt the machine

When the photocells are interrupted, the light on-board the cabin lights up and remains lit while the photocells are occupied.

Frequent cleaning of the photocells is recommended.

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18. OPERATION WITHOUT SPB - Without driver on board

This is a standalone system. For its operation, it only requires electrical energy to power the hydraulic control unit and the control pushbutton panel located at a safety distance from the lift.

WARNING
Position the vehicle in the cabin taking care that the vehicle profile is completely inside the cabin perimeter. To ensure this, it is suggested not to reverse into the box.

DANGER
The car lift must continuously be monitored by the operator during its operation.

The range of motion of the load must be free from obstacles. In particular, check that there are no persons, animals or things within the radius of action of the lift during its operation.

DANGER
Should there be open sides, the control pushbutton panel will be positioned so as to ensure safety and maximum visibility of the open sides.

MOVEMENT

The ascent and descent movement of the mobile mechanics occurs by means of hydraulic lifting cylinders.

There are two possible conditions:

- Fully raised position: the platform is flush with the ground coinciding with the upper landing floor.

The vehicle can hence be positioned on the platform and the lift be sent to the underground floor. Once it has reached the underground floor, the vehicle can be removed from the loading platform.

- Fully lowered position: the loading platform is at the level of the underground floor.

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DANGER
In the case of an external landing, the lift shaft remains completely open at the top floor with the risk of falling. The perimeter must appropriately be fenced off.

INSTRUCTIONS FOR USE

From the outside, use the deadman control (to call or send the lift from or to the courtyard level) or the pulse control. During movement, the flashlight will flash intermittently.

- Watch the movement area from the outside or via the video control system (only for CMF car lift).
- If the deadman control is used, watch the movement area during movement.
- When the floor has been reached, release the control. On arrival at the floor, the flashlight will stop flashing and be on permanently.
- Open the landing door using the pushbutton panel positioned on the outside.
- Retrieve the car and leave the car lift.
- Close the door using the pushbutton panel positioned on the outside after checking that no persons or objects have remained in the car lift.

DL2

Dinamic Lift DL2 can be used with “pulse” control.

Park the vehicle keeping it in profile with the car lift platform.

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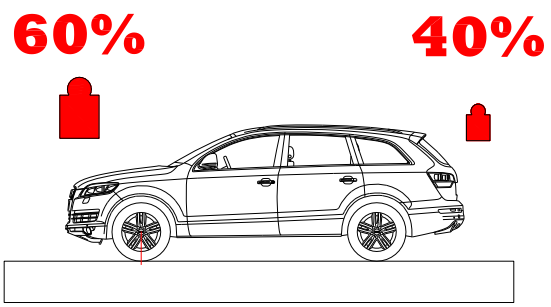
DANGER PROHIBITION

Do not overload the lift.

The nominal liftable load of 3000kg is to be understood as the maximum total weight that can be loaded on the lift and not, for example, only the empty weight of the vehicle lifted. The maximum permissible unbalance between the front and rear is 60%:40%.



Do not place concentrated loads of mor

Any other use of the lift is not permitted and has not been considered during design and could compromise the safety of the lift.

Turn off the engine and engage the handbrake.

Close the door using the pushbutton panel positioned on the outside after checking that no persons or objects have remained in the car lift.

DANGER PROHIBITION

Only with the SPB system, you can transport vehicles in the car lift with only the driver on board.

- From the outside, use the pulse control for lift ascent or descent. During movement, the flashlight will flash intermittently.
- Watch the movement area from the outside or via the video control system.
- If the deadman control is used, watch the movement area during movement.
- On arrival at the floor, the flashlight will stop flashing and be on permanently.
- Open the landing door using the pushbutton panel positioned on the outside.
- Retrieve the car and leave the car lift.
- Close the door using the pushbutton panel positioned on the outside after checking that no persons or objects have remained in the car lift.

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CYCLE INTERRUPTION

- When interruption of the ascent or descent cycle is caused only by release of the deadman control and if the inclinometer sensor has not detected any fault or incorrect proximity or limit switch reading, movement can be resumed normally or inverted to change the direction of translation simply by pressing the deadman button again.

- When interruption of the ascent or descent cycle is caused by incorrect proximity or limit switch reading, intervention of the inclinometer sensor or emergency button, once the normal operating conditions have been restored, you can resume the ascent or descent movement only after having reset the system by cutting and restoring the power to the emergency button or the electric panel.

OVERALL RESET

This is required in the event of a power failure during operation. Once the power has been restored, move the lift to the nearest limit switch following the standard operating procedures.

EMERGENCY DESCENT MOVEMENT WITH THE SDE SYSTEM

IN THE EVENT OF A POWER FAILURE AND THE PLATFORM HAS STOPPED BETWEEN FLOORS, CARRY OUT THE FOLLOWING OPERATIONS IN SEQUENCE:

Press the EMERGENCY BUTTON.

Press the hold-down emergency descent button until reaching the lower floor.

Open the landing door using the landing floor button.

DANGER

Before using the lift, visually inspect it, in particular checking that the safety devices are not damaged. Do not use the lift if you notice even the slightest damage.

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19. OPERATION WITH SPB SYSTEM - Driver on board.

WARNING

Position the vehicle in the cabin taking care that the vehicle profile is completely inside the cabin perimeter. To ensure this, it is suggested not to reverse into the box.

It is a standalone system; for its operation, it only requires electrical energy to power the hydraulic control unit and the control pushbutton panel located at a safety distance from the lift.

DANGER

During movement using the deadman control from inside the cabin, watch the external landing area via the video control system.

DANGER **PROHIBITION**

It is prohibited to use the SPB system if the video control system does not allow a perfect view of the landing area.

DANGER

The car lift must continuously be monitored by the operator during its operation.

The range of motion of the load must be free from obstacles. In particular, check that there are no persons, animals or things within the radius of action of the lift during its operation.

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MOVEMENT

The ascent and descent movement of the mobile mechanics occurs by means of hydraulic lifting cylinders.

There are two possible conditions:- Fully raised position: the platform is flush with the ground coinciding with the upper landing floor.

The vehicle can hence be positioned on the platform and the lift be sent to the underground floor. Once it has reached the underground floor, the vehicle can be removed from the loading platform.

- Fully lowered position: the loading platform is at the level of the underground floor.

DANGER

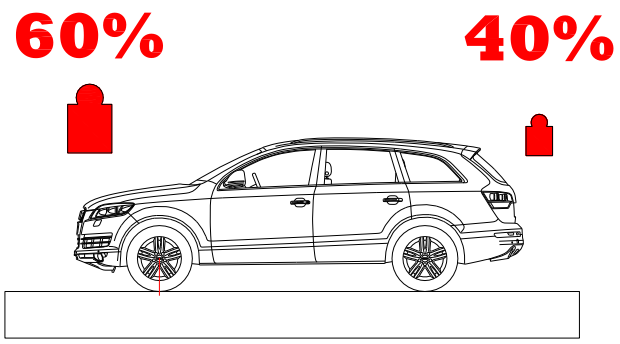
In the case of an external landing, the lift shaft remains completely open at the top floor with the risk of falling. The perimeter must appropriately be fenced off.

INSTRUCTIONS FOR USE

Park the vehicle keeping it in profile with the car lift platform.

DANGER PROHIBITION

Do not overload the lift.
The nominal liftable load of 3000kg is to be understood as the maximum total weight that can be loaded on the lift and not, for example, only the empty weight of the vehicle lifted. The maximum permissible unbalance between the front and rear is 60%:40%.
Do not place concentrated loads of more than 1500kg on the platform.



Any other use of the lift is not permitted and has not been considered during design and could compromise the safety of the lift.

- Turn off the engine and engage the handbrake.

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DANGER

Even when it is permitted to transport the driver on-board the vehicle, it is prohibited to get out of the car while parked on the platform and during transfer to the floors.

Do not touch, clean or lubricate moving devices.

- Close the door using the joystick after checking that no persons or objects have remained in the car lift.
- Ascend or descend using the joystick.
- Watch the upper landing area via the video control system.
- When the floor has been reached, open the door using the joystick and leave the car lift.
- Close the door using the pushbutton panel positioned on the outside after checking that no persons or objects have remained in the car lift.

CYCLE INTERRUPTION

When interruption of the ascent or descent cycle is caused only by release of the deadman control and if the inclinometer sensor has not detected any fault or incorrect proximity or limit switch reading, movement can be resumed normally or inverted to change the direction of translation simply by pressing the deadman button again.

When interruption of the ascent or descent cycle is caused by incorrect proximity or limit switch reading, intervention of the inclinometer sensor or emergency button, once the normal operating conditions have been restored, you can resume the ascent or descent movement only after having pressed and released the emergency stop button.

EMERGENCY DESCENT MOVEMENT WITH THE SPB PUSHBUTTON PANEL

IN THE EVENT OF A POWER FAILURE AND THE PLATFORM HAS STOPPED BETWEEN FLOORS, CARRY OUT THE FOLLOWING OPERATIONS IN SEQUENCE:

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- Activate the emergency descent procedure using the key selector inside the cabin.
- Press the hold-down emergency descent button until reaching the lower floor.
- Open the landing door using the joystick.
- If also the emergency movement does not allow you to leave the lift, use the GSM Remote Rescue device to call the rescue service.

EMERGENCY DESCENT MOVEMENT FOR QUALIFIED PERSONS (SEE THE MAINTENANCE MANUAL)

An emergency movement can be carried out which disables all the safety devices and makes the car lift descend to the underground floor.

DANGER

This type of movement may only be carried out by qualified persons.

Access the electric panel

Open the panel and activate the emergency movement using the key selector located inside the panel.

Press the button to make the lift descend watching the movement area.

DANGER

This type of movement disables all the safety devices.

Be careful and watch the movement area during this operation.

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20. PROLONGED LIFT STOP

If the lift has to be stopped for an extended period of time, take the following precautions:

- Disconnect the system from the electric system and post appropriate warnings signs on the electric panel.
- Protect the electric motors, however, avoid using plastic materials which may cause the formation of condensate.

DANGER
Before carrying out any maintenance and/or cleaning operation, completely lower the platform, unload the lift, check that there is no pressure in the hydraulic tubes and disconnect the power from the lift.

To prevent damage caused by putting the lift out of service and to prevent corrosion and humidity damage to the electric motors and the devices during long out of service periods, operate as follows:

- Place the devices in dry and well ventilated places.
- Periodically check the conditions of the devices stored.

VERTICAL FOLDAWAY GATE

In case of a vertical foldaway gate on the upper floor, MAKE SURE that you position the loading platform on the upper floor before finally turning off the system.

In case of prolonged lift stops, the vertical gate might go down a few centimetres.

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STARTING THE MOTORS AFTER AN OUT OF SERVICE PERIOD

DANGER

Do not connect the lift to the power line before having checked that the line fully conforms to the applicable local safety requirements. Also check that the power line can supply the necessary power and that the line is equipped with a ground circuit and a protection circuit.

The insulation value of motors that have been left in a humid environment for a long period of time may be reduced. The main cause is due to the lack of heat because the motor has not been operating, which normally keeps the motor parts dry. For safety reasons, the insulation has to be brought back to the correct values by means of a drying procedure before restarting use of the lift. To put the lift back into service, contact UPDINAMIC S.r.l. Technical Service.

DANGER

Air might have remained in the hydraulic circuit after installation or after maintenance has been carried out. Bleed the circuit by running a few complete ascent and descent cycles without load before starting the lift.

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21. PERIODIC CHECKS TO BE CARRIED OUT BY THE OWNER

In order to reduce the effects of wear, an inevitable consequence of use, proper and regular maintenance must be carried out. This will not only extend the life of the lift, but is also essential for its use in full safety.

DANGER

Regularly clean the lift removing any debris which may with time cause malfunctions and hazards. Dry off any liquids that leak from the vehicle as soon as possible.

DANGER

After any maintenance and/or cleaning operation, before resuming use of the lift, check that all the safety devices have been fitted, that they are not damaged and that they work properly.

The owner must periodically have the checks required by the regulations in force carried out by an authorised maintenance company.

DANGER

Modifications not authorised in writing by UPDINAMIC S.r.l. technicians may compromise the safety of use of the lift and in any case invalidate the warranty.

DANGER

For extraordinary maintenance of the Dinamic Lift DL2 car lift, contact UPDINAMIC S.r.l Technical Service.

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In parallel, periodically check the overall state of wear of the lift by running a complete ascent and descent cycle and paying attention to any changes in the quality of travel or damage to the devices. In particular, check the following:

- Proper functioning of the landing doors.
- Accuracy of stopping at the floors.
- Proper functioning of the landing buttons.
- Proper functioning of the cabin buttons.
- Proper functioning of the emergency button.
- Proper functioning of the alarm device (if present).
- Proper functioning of the GSM Remote Rescue device (if present).
- Presence of the warning signs.

Check the hydraulic oil level in the control unit tank.

Exclusively use oils equivalent to those listed below and suggested by UPDINAMIC S.r.l for specific use with Dinamic Lift.

DANGER

It is absolutely advisable to change the hydraulic oil and clean the tank every 500 days of lift operation and in any case every 5 years. The exhausted oil must be disposed of in accordance with the regulations in force.

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DANGER

The lift descent speed is set at the factory and may be considerably reduced if the lift operates at an ambient temperature below 10°C. This is not to be considered a defect; the consequences of the low temperature could be reduced by using a low-viscosity oil. Contact UPDINAMIC S.r.l Technical Service for information on the most suitable oil to use.

If none of the oils listed is available, use an oil with a viscosity of 46 cSt at 40°C according to ISO 3448-ISO VG 46.

Manufacturer	Oil
Wladoil	Engine HY SY
Aral	Vitam GF 46
BP	HLP 46
Esso	Nuto 46
Esso	Hydraulioil 46
Fina	Hydran 46
Klockner	Rando oil HDA 46
Raab Karcher	Aval Vitamin GF 46

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22. TROUBLESHOOTING

Every mechanical or electrical component may be subject to faults, however, the risk can be reduced by carrying out the required maintenance.

The table below lists the possible faults and remedies.

No.	Fault	Possible cause	Remedy	Problem solved	Further check
1	The lift is blocked	General failure	Contact Technical Service		
2	The lift is blocked	The emergency button has improperly been pressed	Mechanically release the button and resume movement		
3	The lift is blocked	Power failure	Restore the power and resume normal use		
4	Box collision and damage		Contact Technical Service		
5	The car lift does not arrive at the limit switch	Hydraulic circuit leakage	Contact Technical Service		

23. TECHNICAL SERVICE

Contact the system maintenance company or our Sales and Technical Service Department for anything you may need.

TECHNICAL SERVICE CENTRE
UPDINAMIC S.r.l.
Via Modigliani, 22
37045 Legnago (VR)
Tel.: 0442 / 590129
Fax: 0442 / 599091
info@updinamic.com

24. REPAIRS AND SPARE PARTS

Important

IMPORTANT: For any repairs, contact qualified and authorised persons.

DANGER
Exclusively use original accessories and spare parts explicitly approved by UPDINAMIC S.r.l for use with Dinamic Lift.

Should you ask our Sales and Technical Service Department for technical information or spare parts, always specify the data indicated on the identification plate.

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