

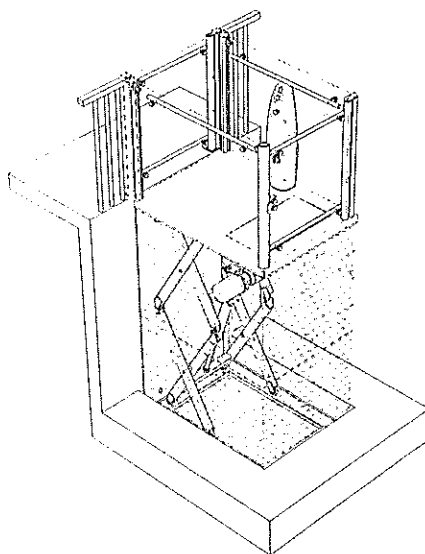


Via Cavalieri di Vittorio Veneto
23870 CERNUSCO LOMBARDONE LC
ITALIA

Tel. +39 039 99918.1 Fax. +39 039 99918.55
e-mail info@sites.it

INSTRUCTIONS FOR USE AND MAINTENANCE

PLATFORM LIFT MOD. P04H



INDEX

Chapters	pages
Manufacturers address	2
1. Machine conformity	2
2. General information on the user's manual	3
3. Description and specific technical data	4
4. Safety and Accident Prevention	5
5. Transport and Installation	6
6. Operation	7
7. Maintenance	10

Annexes

- all. 1 Diagram and spare part lists
- all. 2 Declaration of conformity



MANUFACTURERS ADDRESS**MANUFACTURER:**

SITES Srl
Via Cavalieri di Vittorio Veneto sn
I-23874 Cernusco Lombardone LC ITALIA
TEL.: (+39) 039-99918.1 ra FAX: (+39) 039-99918.55

GB If it is necessary to ask for technical assistance please provide the model and the serial number of the machine.
This information is also required when requesting spare parts.

1. MACHINE CONFORMITY**1.1 REFERENCE NORMS**

MACHINE DIRECTIVE - EEC DIRECTIVE 98/37/CE
EEC DIRECTIVE 89/336 (Electromagnetic Compatibility)
EEC DIRECTIVE 73/23 (Low Tension).
EN 1570 - Lifting tables

1.2 MANUFACTURERS RESPONSIBILITY

GB The machine must be used only for what it has been designed for, in conformity with the general security norms in effect and with the limits indicated on the identification plate. Any other use is improper and therefore dangerous. The manufacturer cannot be held responsible for any damages to objects and/or individuals or for the machine itself due to improper, wrong and incorrect use.
The machine has been built using all the technologies necessary to make it suitable for the uses for which it has been designed for and before shipping it has undergone testing.
Each machine must be controlled upon delivery and always before use to assess any damages due to transport. The manufacturer cannot be held responsible for any damages due to the use of the machine that has been damaged during transport.
The dealer must authorise the use of the machine only to qualified personnel who is aware of the correct and proper use of the machine itself. A copy of this manual must be handed to the authorised personnel.
The manufacturer declines all responsibility for any damages that can directly or indirectly occur due to non-compliance with all the instructions indicated in this manual.

1.3 WARRANTY

GB The machine warranty is valid for a period of 12 months from the date of delivery upon all mechanical and electrical parts.
The warranty is intended as free substitution or repair of the parts of the platform at SITES premises, which are originally damaged due to manufacturing.
The substitution of spare parts in warranty shall be carried out only by an authorised dealer which has carried out the installation.
On the contrary:
1) The spare parts will be sent by SITES via carriage forward only after receiving the damaged or defective spare part(s)
2) the damaged or defective parts must be sent back free manufacturer's address; at the senders expense.
3) If the intervention of one of SITES' technicians is required for repair, the daily fees and the travel expenses will be charged to you according to the current fees.
4) If the machine is to be repaired at our factory, it will have to be shipped completely at the senders' expense.

The warranty does not cover all those parts that should result damaged due to incorrect use (non-compliance with the instructions for use), wrong use or maintenance, maintenance carried out by unqualified personnel, transportation not carried out by SITES or any other causes not due to manufacturing.

The warranty is no longer valid in all cases of incorrect use or tampering or lack of maintenance of the machine.

1.4 PLATES ON THE MACHINE**1.4.1 General data**

Manufacturer	Name of the manufacturer of the machine.
Model	Model of the machine.
Type	Identify type of machine - necessary when requesting spare parts, maintenance or technical information.
Serial N.	Identification number of the machine - necessary when requesting spare parts, maintenance or technical information.
Year	Year of construction of the machine.



1.4.2 Rated Load

KG.

Indicates the maximum distributed load in KG. as set by the manufacturer, which the platform has been designed to carry.

1.4.3 Mechanical Locks



- ☐ Indicates how to position the mechanical safety locks fitted on the base of the scissors during maintenance

1.4.4 Instructions For Testing The Correct Function Of The Safety Trip Fitted Under The Platform



- ☐ Indicates how to test the anti-crushing safety trip

1.4.5 Lifting Points For Movement Of Lifting table



- ☐ Indicates the lifting points of the platform: instructions are given for correct moving of the machine during installation/removal/transport/storage phases. .

1.4.6 Danger Signal – Electrical Equipment Under Voltage



- ☐ Indicates the voltage of the apparatus.

1.4.7 Direction Of Motor Rotation



- ☐ Indicates the direction of the motor.

2. GENERAL INFORMATION ON THE MANUAL

2.1 USERS OF THE MANUAL

2.1.1 Operator

GB Individual/s who uses or has been delegated the task to operate the platform and who has been properly informed about the correct and safe use of the machine itself.

2.1.2 Maintenance Personnel

GB Individual/s who, thanks to their technical preparation and experience, has gained enough knowledge in the field of machinery, electrical and hydraulic systems and state of progress generally recognised to be able to inspect, maintain and fill out reports on the functioning of the lifting platforms.



3. DESCRIPTION AND SPECIFIC TECHNICAL DATA

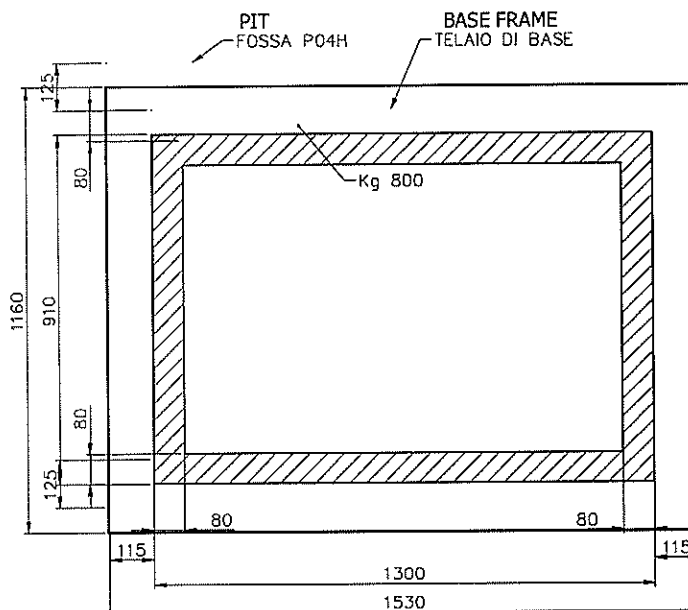
3.1 GENERAL BUILDING CHARACTERISTIC – TECHNICAL DATA

MOD. P04H	DOUBLE PANTOGRAPH LIFTING PLATFORM
Execution	For internal installation For external installation (standard environmental service conditions +5°/+30°)
Load Capacity :	Kg. 300
Max. number of users:	2 persons on Board (of which max. one on a wheelchair)
Platform Dimensions:	1500(B)x1120(A) mm
Max. Travel:	2000 (H) mm with adjustable limit switch
Min. Height / Pit Depth:	215 (h) mm per travel ≤ 1500 mm 255 (h) mm per travel > 1500 mm
Pit Dimensions:	1540(B) x 1160(A) x 215/255(h) mm
Average Lifting Speed:	3 m/min ca.
Controls:	Hold-To-Run-Type (which need a constant pressure to operate) On Board: Up/Down push buttons + Emergency Stop integrated on the lateral console At Landings: Key activated landing call control – wall mounting (Standard) or on column (Optional)
Platform Floor Lining :	Black Anti-Slip Rubber Chequered Aluminium Plate (Optional)
Top Platform Side Protections:	Wall height 1100mm in full transparent or smoked glass (Optional)
Under Platform Protection:	Safety Edge + Safety Bellows on the unguarded sides of the shaft
Side Protection Access:	Single wing gates height 1100mm: Manuals(Standard) or Powered (Optional) a 90° Outward Opening of the platform – In full transparent or smoked glass At Lower Landing: Net Opening 900mm installed on one short/long side of the platform. At Upper Landing: Net Opening 900mm installed on the landing floor.
Feeling Tension:	220 V. Single phase – Controls 24 V
Power Unit:	0,75 KW
Max. Exercising Pressure:	160 BAR
Noise level:	Inferior to 70 Dcb
Emergency Devices:	Power failure Emergency Descent Device Emergency Manual Descent Device on the power unit
Power Unit :	Integrated in the pantograph lifting unit underneath the platform
Electric Box:	Integrated in the Control Console on the Platform



3.2 PREPARATION OF THE INSTALLATION AREA

GB The machine must operate only on flat and horizontal surface that is able to support the unit load safely as follows:



When the Lifting table is to be installed in a pit the pit edges must be reinforced with angled steel plate, it has to be provided of rigid raceway for the electrical wires passage as indicated in the drawing sent by the manufacturer for the pit preparation. Close to the installation site, it has to be foreseen a Main Supply switch, easily reachable by the Operator, so that the platform may be instantly stopped if necessary.

4. SAFETY AND ACCIDENT PREVENTION

4.1 GENERAL SAFETY NORMS

- GB**
- Only expert personnel properly informed on the instructions for use and security norms must use the platform.
 - Before using the machine check the correct functioning and/or positioning of all the protections.
 - Always position the safety mechanical locks correctly during repair or maintenance of the platform.
 - Do not carry out any operation under the machine with the platform loaded and without having positioned all the protections correctly.
 - Do not use the platform with loads that exceed the maximum possible.
 - Be sure that around the platform there are no obstacles that can interfere with the movement of the platform or create a dangerous situation.
 - Be sure that there are no people in any dangerous position with respect to the platform and its load.
 - The vertical walls, adjacent to the platform, have to be smooth and continuous or provided with panel or other suitable mean to prevent danger of crushing or shearing during the platform up/down movements.
 - Whether it is not possible to protect the accessible areas from the crashing danger, the following minimum distances has to be respected between any moving part of the lifting table and the fixed adjacent structures:

SAFETY CLEARANCES:

FOR ARMS AND CLOSED HANDS	mm. 120
FOR FEET	mm. 120
FOR THE BODY	mm. 500

- GB**
- The area under the platform must be kept clean and clear of any objects that could prevent the correct functioning of the machine.
 - Carry out periodic maintenance specially: Periodically grease and oil all the parts in movement.

4.2 CORRECT AND PROPER USE

- GB**
- ☐ Vertical transportation of person with impaired mobility, standing-up or on wheelchair, with / without an accompanist. With the max. weight load and a limited max. number foreseen by the model's characteristics.
 - ☐ Drafted to overcome architectural barriers made up of an unlevelled distance between two landings.
 - ☐ Loading class 1 = functioning hours from 2 to 8 with standard load - cycles / hour < 10:



4.3 IMPROPER, INCORRECT USE

- GB** ☐ Any use other than that, for which the lifting table has been specifically designed for, must be considered incorrect therefore dangerous so not permitted.
- ☐ Transport of goods, (if not foreseen in the order phase)
 - ☐ Transport of loads heavier than the maximum foreseen rated load.
 - ☐ Transport of people higher than the maximum foreseen number of people.
 - ☐ Use of the lifting table next to fixed or mobile structures that can interfere with the safe operation of the lifting table or with the user during lifting or descent movements.
 - ☐ Use of lifting table that has not been serviced according to the manufacturer instructions or prescriptions, or not serviced at all.
 - ☐ Use of a lifting table that clearly appears to be functioning in an incorrect way or in a way that shows malfunctions, failures or damages due to transportation, incorrect installation or any other cause.

4.4 RESIDUAL RISKS

- GB** The user's protruding, while the machine rises / descends, can cause scoring, distortion or squashing if the adjacent walls are not smooth and continuous or if there is no compliance to the prescribed minimum foreseen distance.

4.5 SAFETY DEVICES

- GB** The following safety devices are fitted on the lifting table:
- ☐ Safety mechanical locks for maintenance operations.
 - ☐ Pressure relief valve.
 - ☐ Emergency descent valve.
 - ☐ Rupture valve at the cylinder base.
 - ☐ Oil level control.
 - ☐ Safety trip + underplatform safety bellows.
 - ☐ Fixed Guard rails o protection with a height of 1100-mm.
 - ☐ Gates with electro-mechanical lock, that can open only with platform at the landing floors.
 - ☐ Hold-to-run type controls (the travel stops under the controls release).
 - ☐ Power failure emergency device which allows the descent of the platform and the gate opening in case of power failure
 - ☐ Foreseen with a manual unlocking of the gates in case of malfunction.
 - ☐ Friction on the electrical actuator of the gates that allows manual opening in case of power failure or breakdown.
 - ☐ A key for manual emergency recuperation to landing "0".

5. TRANSPORT AND INSTALLATION

5.1 MOVEMENT, LIFTING AND UNLOADING

- GB**
1. For positioning hook up or fork the platform only under the base frame or by using the proper eyebolts (lift the rubber, when foreseen, on the trampling area where it is foreseen). The lifting points are indicated on the platform by a proper icon as indicated in the "plates" paragraph.
 2. To move the lifting table by using only unloading means, which must be appropriate to move the weight of the platform as indicated in the technical data or on the machine's plate.
 3. When unwrapping the platform, be careful not to engrave or cut the flexible hoses or the electrical cables during the unpacking operations.

5.2 INSTALLATION

5.2.1 Preliminary Verifications

- GB**
1. The lifting table shall exclusively operate on flat, compact and horizontal surfaces only, which shall be clean and free of whichever object, and capable of bearing a load as indicated in the paragraph "preparation of the installation site".
 2. The lifting table has to be connected to the "supply main switch" to allow the stop of the machine, positioned in an easy reachable place.
 3. Check that the motor and the electrical equipment are connected to the same available voltage.
 4. Check that the sense of rotation of the motor corresponds to the one indicated by the arrow.
 5. Check that the oil level is: at about 20mm from the inferior level of the cap, by totally lowered platform; at not less of 40mm from the inferior level of the cap, with safety arms positioned; Otherwise add only hydraulic oil (**AZOLLA GS46 – FINA or any correspondent**).
 6. Check that the eventual pit has been executed according to the instructions of the manufacturer's.

5.2.2. Installation

- GB**
1. The platform must be installed only by a competent person, following the instructions foreseen in the installation manual issued by the manufacturer.
 2. The lifting table shall be lowered without crashing it on the floor or inside the pit.



3. The electrical cables must be protected against crushing .
4. Electrical cables shall be installed in such a way so to prevent trip-up danger.
5. The electrical cables installed in the areas which cross travel ways must be installed at a minimum height of 2,5 m. from the trampling floor for people, or higher in case of transportation of means (keeping in mind the means that are to be transported). If it should not be possible to install hoses and/or cables at the indicated height, it is necessary to protect them against crashes with soft materials and signal it according to the enforced rules.
6. The raceways containing the hoses and the connecting cables, must not present tight curves, that in any case must never be superior to 45°.

5.2.3 Activation

- GB**
1. Before to start up the machine, carry out the above mentioned preliminary checks.
 2. Eventual adjustments during the start up operations must be executed by respecting the maximum working pressures as indicated in the technical data.
 3. Do not carry out any adjustment or tampering in the hydraulic system without the previous authorisation of the manufacturer.
 4. The lifting table has already been tested by the manufacturer's technicians before shipping (see attached test certificate) therefore it does not need any further testing by the user besides the verifications of correct operation according to the characteristics specified in phase of order.

5.2.4 Deactivation

- GB**
1. Before removing the machine from storage, check that it is in completely closed position and then disconnect the feeding power.
 2. All deactivated machines shall be stored in a protected place free from humidity and weatherproof, anyway placed in a protected zone from any damages that maybe caused from external events.
 3. To move the lifting table see chapter "Movement, lifting and unloading"

5.2.5. Resetting After Storage

- GB**
1. After storage, the platform shall be installed following the installation instruction as described in the "installation" chapter.
 2. Before start up:
 - ☐ Check the general conditions of the machine.
 - ☐ Lubricate all moving, rotating or sliding parts as described in the chapter "Maintenance"
 - ☐ Clean carefully all parts that maybe affected by dirt.
 - ☐ Check the possible presence of foreign materials that could interfere with the correct operation of the machine (especially in the working area of the scissors rollers and under the whole platform).
 - ☐ Check the condition and the operation of the control system and of the safety devices.

6. OPERATION

6.1. USE FOR WHICH THE PLATFORM HAS BEEN DESIGNED, CRITERIA AND PRECAUTIONS

- GB** The lifting Platform shall be used for the specific use defined in chapter "foreseen uses". Any different use is to be considered improper therefore dangerous.

6.1.1. Criteria And Precautions of Use

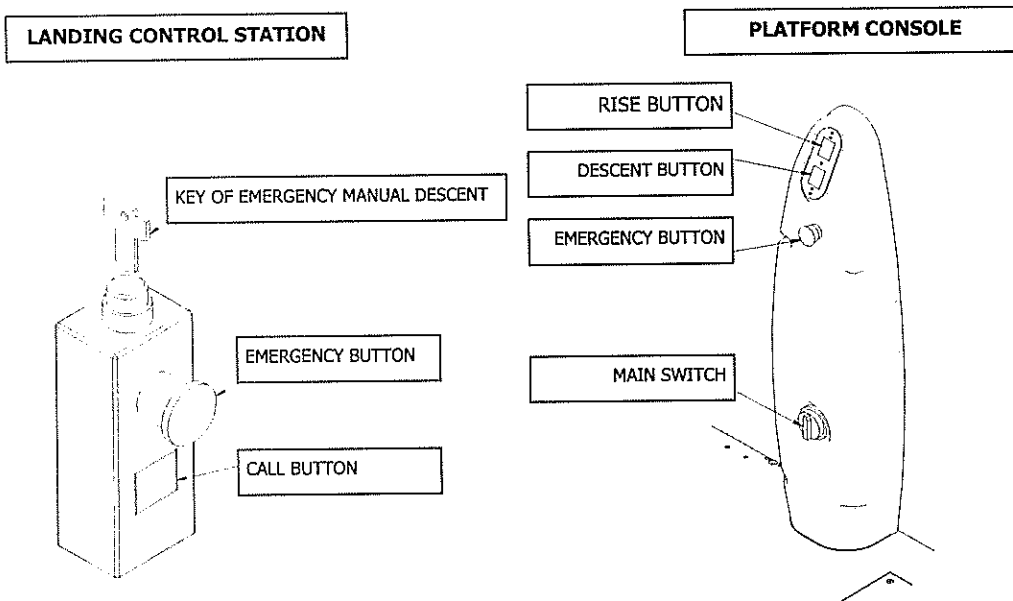
- GB**
1. Do not protrude from the table during its rise / descent.
 2. Make sure that all the safeguarding are in the correct position.
 3. Check that no obstacles, structures or foreign materials could interfere with the platform or with its user during operation.
 4. Check that are no person in dangerous position during the machine operation.

6.2. IMPROPER USE - USE NOT ALLOWED

- GB** Any use different from the proper one, is not allowed since it is considered an improper use therefore dangerous.
In particular:
- ☐ Transport of goods, if not foreseen in the order
 - ☐ Transport of loads over the maximum foreseen rated load or of a number of persons higher than the foreseen one.
 - ☐ Transport of protruding loads.



6.3 USAGE



6.3.1 USE IN STANDARD OPERATION SITUATION

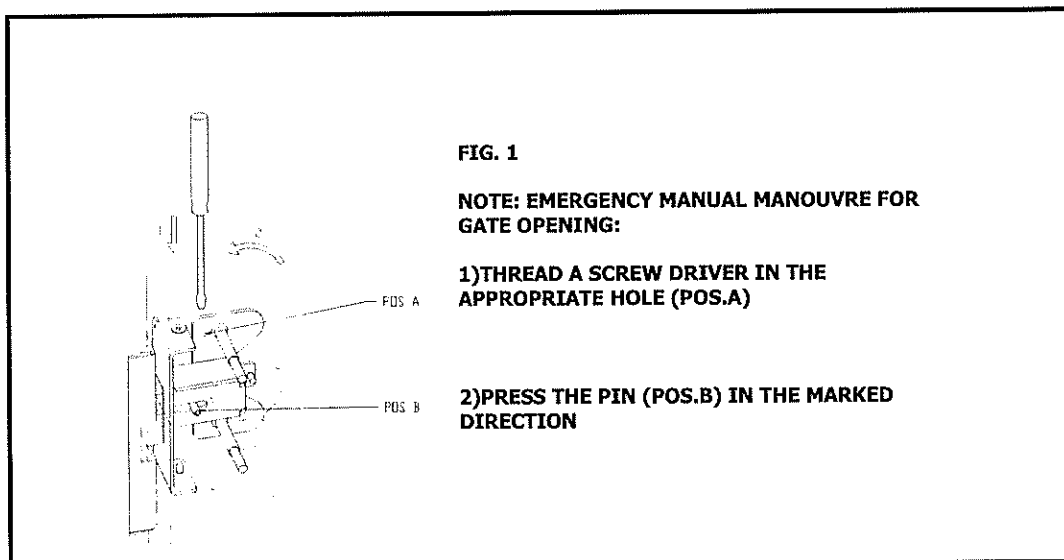
- GB**
1. Call the platform through the push button panel control installed on the floor.
 2. Open the gate: manually in case of manual gate or by keeping pushed the button of the landing control panel until the gate is completely opened if it is the powered one.
 3. Access to the platform ensuring that the overall size of the wheelchair does not protrude out the border of the platform and that the eventual standing person is completely on board.
 4. Close the gate: manually in case of manual gate, or by pushing the button corresponding to the movement: "rise" to close the gate at lower floor or "descent" to close the gate at upper landing (the powered gates always close after a pre-set time: standard. about 1min. – it is possible to invert the closing movement by pushing the on board button relevant to the opposite movement).
 5. Push or keep pushed the relevant buttons of the rise/descent in order to rise or descend until the platform stops by reaching the landing floor.
 6. Open the gate: manually in case of manual gate or by keeping pushed the button relevant to the movement: "rise" for opening the upper floor gate or "descent" for opening the gate at lower landing.
 7. Get off the platform and leave completely free the action area of the gate.
 8. Close manually the gate in case it is manual, or wait the automatic closing in case of powered gate (the automatic closing occurs after a pre-set time: std. About 1 min. – it is possible to invert the closing movement by pushing the call button of the landing control panel).
 9. By releasing the button the activated movement will be stopped.
 10. Activation of the safety trip/edge device:
the frame installed under the border of the platform stops the descent if it comes in touch with an obstacle: release the descent button and proceed by removing the obstacle before to continue the movement. It is however possible activate the rising movement through the proper control.
 11. Stop of the rising movement caused by a temporary power failure: the power failure emergency device allows the descent as previously described at points 5 to 8.
NOTE: the installed batteries **EXCLUSIVELY** allow a complete cycle of descent, therefore the platform must not be reused until the complete power resetting.

6.3.2 USE IN EMERGENCY SITUATION

GB CAUTION: IN SITUATION OF EMERGENCY THE PLATFORM MUST NOT BE USED AND MUST BE DENIED THE USE AS DESCRIBED IN THE FOLLOWING POINT N.8.

The operations described in the following points from 1 to 7 can be executed only in case of necessity of on board person/s recovery..

1. **Lack of lock disengage:**
act by means of a screwdriver or pin as describer in picture n.1
2. **Lack of powered gate opening:**
check the occurred lock disengage and eventually act as described in the previous point n.1, push or pull the gate wing towards the opening sense until the clutch disengages.
3. **Lack of powered gate closing:**
get off the platform, push the gate towards the closing sense until the clutch is disengaged, go on with the closing until the wing is completely closed and the lock block is inserted in the lock
4. **Malfunctioning of the controls / emergency condition:**
 - Push the black mushroom-shaped button with key resetting device installed on the landing control station in order to stop only the controls activated by it;
 - Push the red mushroom-shaped button installed on the on board console in order to stop all the movements and all controls of the platform.
5. **Stop of the platform during descent:**
push the "rise" button and leave the platform on the upper landing before to deactivate the machine as described at the following point 7.
6. **Stop of the platform during the travel and impossibility to rise** as described in the previous point:
It is possible to recover the platform on the lower landing after having checked that the on board emergency button is not pushed, by acting through the proper key on the key-switch of the calling control station at lower landing, disengage the lock as previously described at point 1 and eventually the gate as per point n.2..
CAUTION: THE USE OF THIS KEY EXCLUDES THE FUNTIONING OF ALL SAFETY DEVICES, IN PARTICULAR OF THE SAFETY TRIP AND THE GATE LOCK ELECTRICAL CONTROLS, THEREFORE IT MUST BE USED ONLY BY QUALIFIED PERSONNEL OR ADEQUATELY INSTRUCTED ON THE RISKS..
7. **Stop of the platform during the travel and impossibility to rise or descent** to recover the transported person:
 - Disengage the gate of the nearest floor or the easiest for the recovery operations, as described at the previous points n.1 and 2;
 - After having recovered censure the gate is closed and the lock blocked.
8. **Malfunctioning of the platform:**
 - Do not use a machine that presents symptoms of malfunction;
 - Deny the use by turning the general switch installed on the on board console in position 0 – off.;
 - Make sure of the gate closing and of the lock block engagement;
 - Switch off the electrical power through the main switch;
 - Expose notice "OUT OF SERVICE" in case of installation in public place or in place open to the public;
 - Inform immediately the qualified maintenance service.



7. MAINTENANCE

7.1 NOTICES

GB The machine can be damaged by:

- ☐ An improper use.
- ☐ Tampering the safety devices.
- ☐ Incorrect positioning of the safety devices and guards.
- ☐ Use of the machine with no or shortage of oil.
- ☐ Use of oils not matching to the one indicated by the manufacturer.
- ☐ Use of voltages different to the ones indicated.
- ☐ The reverse rotation of the motor.
- ☐ The lack of positioning of maintenance safety poles after maintenance servicing.
- ☐ Use of one mechanical safety poles lock during maintenance operations.
- ☐ Incorrect tightening of the screws and joints.
- ☐ Putting materials, or equipment on the wires, flexible hoses, valves or inside the machine (under the platform)
- ☐ Not periodically lubricating the machine.
- ☐ Using spare parts which are not original or which have features different from the ones installed
- ☐ The introduction of external objects under the platform, on the power unit or on the cylinders.
- ☐ Not cleaning the machine.

7.2 DANGER NOTICES

GB Individuals can be damaged by:

- ☐ Carrying out maintenance operations on the machine without correctly positioning the maintenance safety poles. .
- ☐ Carrying out maintenance operations with the machine loaded.
- ☐ Carrying out maintenance operations with the machine under pressure.
- ☐ Carrying out maintenance operations with the machine under tension.
- ☐ Loosening screws or dowels or shafts without having the platform suitably secured with proper supports (able to support the weight of the machine).
- ☐ Carrying out maintenance operation wearing clothes or personal accessories (such as watches, bracelets, etc.) which can cause entanglement.
- ☐ Non compliance of the accident prevention norms or standards concerning the use of personal accident-prevention protections or means during maintenance operations.
- ☐ Expose oneself during up/down movements.
- ☐ Leaning on the smooth side walls during up/down movement.
- ☐ Overcome the allowed rated load.

7.3 QUALIFICATION OF THE MAINTENANCE PERSONNEL (COMPETENT PERSONNEL)

GB All maintenance operations shall be carried out by qualified personnel, who thanks to their technical preparation and experience has gained enough knowledge in the field of machinery, electrical and hydraulic systems to be able to inspect and maintain the lifting table.

7.3.1 Duties Of The Maintenance Personnel

GB The maintenance personnel is responsible for:

- ☐ Inspection of the machine and its functioning.
- ☐ Ordinary maintenance operations.
- ☐ Periodical maintenance operations.
- ☐ Cleaning and lubrication of the machine.

7.4. MAINTENANCE WARNINGS

- GB**
1. Before carrying out any maintenance operation:
 - ☐ Unload the platform.
 - ☐ Position the mechanical safety poles locks (as described in the "installation" chapter).
 - ☐ Set the pressure of the hydraulic circuit to zero.
 - ☐ Disconnect power supply.
 2. Use only proper and good quality equipment in proper conditions.
 3. Use tools, which cannot cause any damages to the gaskets or other components of which it operate with.
 4. After the re-assembly of the components, make sure they are correctly installed and well lubricated.
 5. After re-assembly check the tightening of the screws.
 6. Use only original spare parts.
 7. Use only the hydraulic oil indicated by the manufacturer.
 8. Use only the lubricating oil indicated by the manufacturer.
 9. Use only the grease indicated by the manufacturer.
 10. Always check the correct functioning of all the safety devices and the correct positioning of the protection components.
 11. Always check the correct functioning of the machine and of the controls and stopping devices.



12. Check that there are no leaks in the hydraulic circuit.
13. Check that the structure does not present any sign of yielding.
14. Check the oil pressure.
15. Check the oil level.
16. Use maximum cleanliness especially when operating on the hydraulic components.

7.5 PERIODICAL MAINTENANCE

7.5.1 Maintenance Each 6 Months

- GB**
- ☐ Lubricate all the accessible parts of the articulated joints with the lubricating oil indicated by the manufacturer
 - ☐ Grease the sliding ball bearings using the type of grease indicated by the manufacturer, or if using self-lubricating ball bearings, lubricate with oil as described at the above mentioned point
 - ☐ Check the oil level
 - ☐ Check the safety devices and safeguarding integrity and their correct operating
 - ☐ Check the correct controls functioning

7.5.2 Maintenance Each 2000 Hours Of Operation

- GB** Besides the maintenance as per chapter maintenance Each 6 Months:
- ☐ Check the conditions of the shafts and dowels
 - ☐ Check the conditions of screws and bolts
 - ☐ Check for any leaks or break downs

7.6 CLEANING

- GB**
1. Constantly keep the machine clean, especially make sure that inside the machine itself (especially in the area under the base) there is any material which could interfere with the movements of the machine itself
 2. When cleaning the machine do not use any corrosive liquids or water
 3. When cleaning the hydraulic components never use abrasive material or any material that could leave particles that could cause malfunctions to the hydraulic circuit
 4. Constantly keep the area surrounding the platform clean, especially from the presence of oily liquids which could cause slipping.

7.7 OIL AND LUBRICANT CHART

DESCRIPTION	BRAND AND TYPE
HYDRAULIC OIL	FINA AZOLLA ZS46 OR SIMILAR
LUBRICATING OIL	FINA DOSERA MS68 OR SIMILAR
GREASE	FINA GREASE MP GRAD, NLGI:2 OR SIMILAR

7.8 MOTOR FEATURES

- EN** The single-phase electric motors is asynchronous with rotor in short circuit, closed construction with external fan system, IP55 protection, size and power according to the international IEC standards.

12. MOTOR CHART

4 POLES ASYNCHRONOUS SINGLEPHASE MOTOR - FREQUENCY 50 Hz.

TYPE	KW	HP	REV.	COURRENT	COS	STARTING COURRENT	WEIGHT
80 B	0,75	1	1350	5.7	0,95	0.8	11

7.9 PROBLEMS AND SOLUTIONS

7.9.1 The Motor Is Running, But The Platform Does not Lift

- GB**
1. During the installation, the resetting after the stocking or the power supply line modification: check that the motor is running in the same direction indicated on the arrow.
 2. Check the oil level
 3. Check the pressure of the hydraulic circuit
 4. In case there is low pressure, check the pressure control valve
- If despite all these checks the platform should not lift, contact the manufacturer's maintenance service

7.9.2 The Motor Isn't Running

- GB**
1. Check the conditions of the general main switch
 2. Check that the emergency stop is not operated
 3. Check the fuses
 4. Check the input voltage
 5. Check the conditions of the upper limit switch
 6. Check the efficiency of the controls
- If despite all these checks the platform should not lift, contact the manufacturer's maintenance service



7.9.3 The Platform Doesn't Keep Its Position

- GB**
1. Check for any leaks in the hydraulic circuit
 2. Check for any oil leaks from the cylinder: operate the first ascent up to the limit switch, then a complete descent, then a second ascent; repeat the cycle for 3 times always checking there are no oil leaks from the breather pipe or from the gaskets of the stem.
 3. If there should be no leak from the hydraulic circuit or from the cylinder, check that the screw placed on the manual descent solenoid valve is well tightened.
 4. If there is a leak in the hydraulic circuit, check the clamping of the joints and of the screws of the valves.
 5. If there are leaks in the cylinder, replace the gaskets, checking first the good conditions of the cylinder.
- If despite these checks the platform doesn't keep its position, please contact the manufacturer's maintenance service

7.9.4 The Platform Moves Up And Down In An Irregular Way

- GB**
1. Check the oil level.
- If the level is sufficient, please contact the manufacturer's maintenance service

7.9.5 The Platform Doesn't Go Down

- GB**
1. Check that the emergency button is not pushed.
 2. Check that the gate are properly closed and the lock micro switch is pushed.
 3. Check the electrical continuity of the safety trip
 4. Check the tension on the coil of the solenoid valve
 5. Check the fuses.
 6. Check that the safety mechanical locks are not in operation position
 7. Check that there are no external interference
- If despite these checks the platform doesn't go down, please contact the manufacturer's maintenance service

7.9.6 The Gate Doesn't Open

- GB**
1. Check the respective landing limit-switches.
 2. Pushing softly the gate, check that the lock releases.
 3. In case of lack of lock releasing, check the input voltage and/or the correct lock mechanical operation and provide to the possible pin re-alignment.
 4. In case of lock releasing but gate non opening, check the input tension of the actuator and/or that there are no interference with the gate wing.
- If despite these check the gate doesn't open, please contact the manufacturer's maintenance service

7.9.7 The Gate Doesn't Close

- GB**
1. If the gate doesn't close since the start of its travel, check the input actuator voltage and/or that there are no interference with the gate wing.
 2. If the gate doesn't close only at the end of its travel, check that there are no interference with the gate wing and/or check the correct operation of the mechanical pin and its alignment with the lock.
- If despite these check the gate doesn't open, please contact the manufacturer's maintenance service

