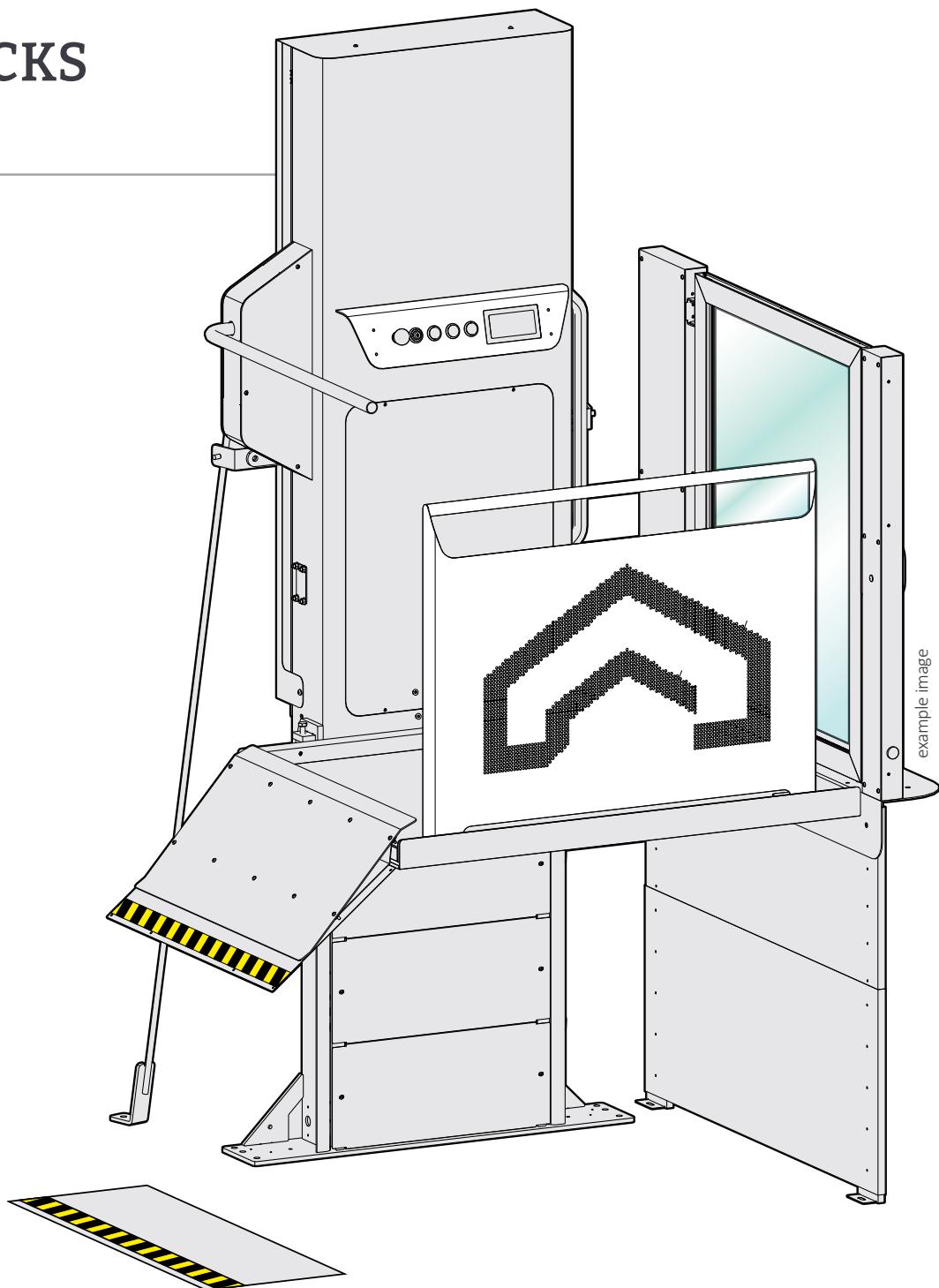


DomoStep[®] 130

Electric screw driven platform lift for
small height differences

FINAL CHECKS

(Rev.0)



AREALIFTING[®]

THE VERTICAL MOBILITY MANUFACTURER

WHITE PAGE

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1. Manual reading guide

IMPORTANT!



EN: Translation of the original instructions

This product may only be commissioned if these instructions are available to you in an official EU language that you understand and you have understood the contents. If this is not the case, please contact your Lifting Italia S.r.l. contact partner.

READ THIS MANUAL CAREFULLY

BEFORE INSTALLING AND USING THE PRODUCT

Retain the technical documentation near the lifting platform for the entire lifecycle of the product. In case of change of ownership, the technical documentation must be provided to the new user as an integral part of the product.

1.01. Preliminary information

NOTICE

| | |
|--|---|
| | <p>This product must be installed and put into operation according to the provisions and regulations in force. Improper installation or improper use of the product can cause damage to people and property, as well as cause the warranty to lapse.</p> |
| | <p>FOLLOW THE SUGGESTIONS AND RECOMMENDATIONS TO OPERATE IN SAFETY. Any unauthorized modification can compromise the safety of the system, as well as the correct operation and the life of the machine. If you have any doubts regarding the correct understanding of the information and contents contained in this manual, contact LIFTING ITALIA S.r.l. immediately.</p> |
| | <p>QUALIFIED PERSONNEL. The product covered by this documentation can only be installed by qualified personnel, in compliance with the attached technical documentation, above all in compliance with the safety warnings and the precautions contained therein.</p> |



LEGAL NOTICE

AREALIFTING® is a commercial trademark owned by LIFTING ITALIA S.R.L., VAT no. 02277680340, the sole legally responsible entity. All legal, fiscal, and administrative matters, including requests for assistance, spare parts, or complaints, must be addressed exclusively to LIFTING ITALIA S.R.L.



Technical specifications may be subject to change without notice due to product improvement development.

The drawings included in this manual are to be considered as indicative and are NOT an exact reference to the product concerned.

1.02. Personal security and risk recognition

This manual contains safety rules that must be observed to safeguard personal safety and to prevent damage to the property.

The indications to be followed to guarantee personal safety are highlighted by a triangle symbol while those to avoid material damage are not preceded by the triangle. The hazard warnings are shown as follows and indicate the different levels of risk in descending order.

| RISK CLASSIFICATION AND RELATIVE GRAVITY OF DAMAGE | |
|--|--|
| DANGER! | The symbol indicates that the failure to comply with appropriate safety measures causes death or serious physical injury. |
| WARNING | The symbol indicates that the failure to observe the corresponding safety measures can cause death or serious personal injury. |
| CAUTION | The symbol indicates that failure to observe the relevant safety measures can cause minor or moderate personal injury or damage to the device. |
| NOTICE | It is not a symbol of security. It indicates that the failure to comply with relevant safety measures can result in property damage. |
| INFORMATION | It is not a symbol of security. It indicates important information. |

RISK LEVEL

If there are multiple levels of risk, the danger warning always indicates the highest one. If a warning is drawn with a triangle to warn of the risk of injury to persons, the risk of possible property damage may also be caused at the same time.

| WARNING | |
|---|---|
|  | During installation / maintenance of the platform, the safety functions are temporarily suspended. Therefore all necessary precautions must be taken to avoid personal injury and / or damage to the product. |

2. Safety and information Signs

2.01. DANGER Signs

| | | | | | |
|---|---------------------------|---|------------------------|---|---------------------------|
|  | GENERAL DANGER |  | ELECTRICITY DANGER |  | DANGER FLAMMABLE MATERIAL |
|  | DANGER OF FALL BY A LEVEL |  | DANGER SUSPENDED LOADS |  | DANGER OF CRUSHING |

2.02. PROHIBITION Signs

| | | | | | |
|---|---------------------|---|----------------------|---|--|
|  | GENERIC PROHIBITION |  | FORBIDDEN TO STEP ON |  | PROHIBITED TO WALK ON OR STOP IN THIS AREA |
|---|---------------------|---|----------------------|---|--|

2.03. MANDATORY Signs

| | | | | | |
|--|--|--|---|---|---------------------------------------|
|  | OBLIGATORY TO WEAR THE PROTECTION HELMET |  | OBLIGATORY TO WEAR SAFETY SHOES |  | OBLIGATORY WEAR THE PROTECTIVE GLOVES |
|  | OBLIGATORY TO WEAR EYE PROTECTION |  | OBLIGATION TO WEAR THE AUDIO PROTECTION | | |

2.04. Information symbols and infographics

| | | | | | |
|---|----------------|---|--------------------|---|-------------------------|
|  | MARK |  | DRILL AND/OR SCREW |  | CUTTING AND/OR GRINDING |
|  | MEASURE |  | APPLY RIVETS |  | USE SUCTION CUPS |
|  | USE THE HAMMER |  | LEVELING |  | USE HOIST |

| | |
|---|---|
|  | INFORMATION Symbol that identifies information that is useful to the installer but is not mandatory for the installation, nor does it pose a risk to the user.. |
|  | IMPORTANT! Symbol that identifies important information to be scrupulously observed. |
|  | ELECTRICAL CONNECTIONS Symbol that identifies the connection of an electrical component. |

3. Liability and warranty conditions

RESPONSIBILITY OF THE INSTALLER

IMPORTANT!



Installers are responsible for ensuring compliance with safety procedures at work and any health and safety regulations in force in the country and on the site where the assembly is carried out.

The persons authorized to carry out installation, maintenance, and rescue operations are those in possession of an elevator maintenance authorization certificate, issued according to the regulations in force in the country where the assembly is carried out.

The elevator / platform (and each of its components) is produced and intended to be installed as described in the attached project drawing and in this manual; any divergence from the prescribed procedure may affect the operation and safety of the system and cause the immediate cancellation of the warranty.

Any modification or variation made to the project and the assembly Instructions must be documented in detail and referred to LIFTING ITALIA S.r.l., in order to allow the company an adequate assessment. Under no circumstances can a modified system be activated without the express authorization of LIFTING ITALIA S.r.l.

The elevator / platform must only be used in the way envisaged by the system and illustrated in the relative manuals (transportation of people and / or things, maximum loads, cycles of use, etc.). LIFTING ITALIA S.r.l. assumes no responsibility for damage to persons and property caused by improper use of the system.



Pictures and images on this manual are for illustration purposes only.

4. Testing and handover of the system



This "FINAL CHECKS" manual contains the report of the checks prior to the lift commissioning of the system to be carried out by the installer who, on completion of the work, will date and sign it, clearly indicating the contact details of the installer and any notes.

The manual must also be signed by the owner as confirmation that the system has been commissioned and handed over and that this manual and the Platform lift operating instructions have been handed over.

Fill in this manual according to the instructions in the following paragraphs: it must be kept on the system and constitutes documentation of compliance with the regulations; the form on the last page must be sent, within 15 days from the date shown on the form, to the company supplying the system, in order to allow the contractual warranty period to begin.

If the form is not sent in accordance with the above instructions, the guarantee period shall in any case not extend beyond the guarantee period from the date of shipment of the system by the Manufacturing company.

4.01. Checks and Controls for Compliance Documentation

The individual Checks described below serve to verify the correct execution of the assembly: for each of them, the requirement to be fulfilled and the way to verify it are described.

| NOTICE | |
|---|--|
|  | QUALIFIED PERSONNEL The operations described in this manual may only be carried out by suitably qualified personnel. |

Checks are aided by the project drawing and electrical diagram.

If any of the Checks lead to a negative result, the installation must be corrected by correctly repeating the installation instructions.

| NOTES | |
|---|---|
|  | DANGER OF CRUSHING When it is required to enter the Pit, the main switch in the power cabinet must first be opened and the safety device switched on. |
| NOTES | |
|  | RISK OF ELECTROCUTION Some operations require working with the cabinet open and live. |

Carry out tests with empty car except where it is indicated to load the car.

| NOTICE | |
|---|---|
|  | NOTE 1: When it is stated in these instructions to carry out tests "with maximum static load", the car must be evenly loaded. NOTE 2: When it is stated in these instructions to carry out "full load" tests, the car must be loaded, evenly distributed, with a mass equal to the rated load capacity (indicated on the car plate). NOTE 3: When "Reset the system" is indicated in these instructions, go through the actions described in reverse to return the system to its starting condition. |

4.01.01 POWER SUPPLY BOARD CHECKS

THE POWER SUPPLY BOARD IS IN ACCORDANCE WITH THE SUPPLIED ELECTRICAL DIAGRAM (IM.TEC.099), AND THE INSTALLATION MANUAL (IM.TEC.099) IN SECTION 8.1.

4.01.02 FIRST TEST RUNS

THE CHECKS REFERRED TO IN THE INSTALLATION MANUAL (IM.TEC.099) IN PARAGRAPH 8.2 "UPPER and LOWER EXTRA-CURRENT CONTACTS" HAVE BEEN SUCCESSFULLY CARRIED OUT.

4.01.03 ORIGINAL LIFTINGITALIA MATERIALS

The installation must correspond to that designed by LIFTING ITALIA S.r.l., therefore the installer confirms that he has used, as designed, all and only materials supplied by LIFTING ITALIA S.r.l.

4.02. PLANT STRUCTURAL TEST

FLATBED LOADED WITH MAXIMUM STATIC LOAD

AFTER LOADING THE CAR WITH THE MAXIMUM STATIC LOAD, NO PERMANENT DEFORMATION OF THE SYSTEM OCCURRED.

4.02.01 ASCENT AND DESCENT SPEED TEST

FLATBED WITH FULL LOAD

Check ascent and descent speeds with fully loaded car:

- I. measure the distance between two planes (metres);
- II. standing on the floor, call the Car on the way up from one floor to another and note the travel time (seconds);
- III. repeat downhill;
- IV. calculate speed as distance (in metres) divided by time (in seconds);
- V. THE VERIFIED SPEED IS \leq (less than or equal to) 0.08 m/s (metres per second).

4.03. PIT SAFETY

PIT SAFETY CHECKS

Check the mechanical strength of the safety device in the Pit with a fully loaded bed:

- I. always controlled from the Landing operation panels;
- II. with the car loaded, make one upward run, letting the system stop on its own at the floor;
- III. open the landing door and, without entering the car, measure the vertical difference in level between the car edge and the landing floor;
- IV. repeat uphill for any other stops;
- V. repeat downhill for all stops;
- VI. repeat uphill and downhill with empty car;

VII. THE PLATFORM RESTS CORRECTLY ON THE SAFETY DEVICE

- VIII. bring the platform to the upper stop and check that

IX. THE SAFETY DEVICE WAS NOT DAMAGED

- X. restore the installation.

4.04. STOPPING PRECISION

FLATBED BOTH FULLY LOADED AND UNLOADED

Check stopping accuracy (both with unloaded and fully loaded platform):

- I. always operate the Platform from the landing operation panels or by remote control;
- II. with a loaded platform, make one upward stroke, letting the system stop on its own at the floor;
- III. measure the vertical difference in height between the platform and the floor;
- IV. repeat downhill;
- V. repeat uphill and downhill with flatbed unloaded;
- VI. verify that:

VII. THE VERIFIED LEVEL IS FOR ALL CASES ≤ (less than or equal to) 10 mm.

4.05. CHECK BUTTON 'STOP' (if present) AND ALARM BUTTON

UNLOADING PLATFORM

Check that the STOP button stops the system and that the Alarm button operates the acoustic signal:

- I. stop the platform between two floors by pressing the STOP button (if present);
- II. control the ascent and descent from the on-board button fixture and check that

III. THE SYSTEM DOES NOT MOVE VIA THE UP AND DOWN CONTROLS WHEN THE STOP BUTTON IS ACTIVE.

IV. repeat the OPERATION from the Landing operation panels and verify that:

V. THE SYSTEM DOES NOT MOVE VIA THE UP AND DOWN CONTROLS OF THE LANDING OPERATION PANELS WHEN THE STOP BUTTON IS ACTIVE.

VI. press the alarm button and verify that:

VII. THE SIREN EMITS AN ACOUSTIC ALARM SIGNAL BY PRESSING THE APPROPRIATE BUTTON ON THE FOOT SWITCH.

VIII. restore the installation.

4.06. CHECKS COMMANDS

Check that the commands given are working properly:

- I. a technician climbs aboard and tests the ascent and descent of the system, verifying that

II. THE PLATFORM AUTOMATICALLY STOPS CORRECTLY AT THE FLOORS BY PRESSING THE UP AND DOWN BUTTONS ON BOARD.

- III. a technician climbs aboard and tests the ascent and descent of the system, verifying that

IV. BY RELEASING THE BOARDING BUTTON IN ADVANCE, THE SYSTEM STOPS IMMEDIATELY.

- V. a technician calls the Platform from the floor controls, checking that

VI. THE PLATFORM AUTOMATICALLY STOPS CORRECTLY AT THE FLOORS BY CALLING OUT FROM THE FLOOR CONTROLS

4.07. CHECKING COMMAND ENABLING KEY (optional)

Check that the enabling key functions correctly:

I. a technician climbs aboard and tries, with the enabling key OFF, to control ascent and descent, checking that

II. THE SYSTEM DOES NOT MOVE WHEN THE ENABLING KEY IS DEACTIVATED.

III. a technician goes on board and tries, with the enabling key ACTIVATED, to control ascent and descent, verifying that

IV. THE SYSTEM FUNCTIONS NORMALLY WHEN THE ENABLING KEY IS ACTIVATED.

V. a technician calls the Platform from the floor controls, checking that

VI. THE PLATFORM STOPS AUTOMATICALLY IN THE CORRECT WAY AT THE FLOORS BY MAKING THE CALL FROM THE FLOOR CONTROLS.

4.08. CHECKS ON ELECTRICAL COMPONENTS

Check that the following points are met:

I. THE ELECTRICAL COMPONENTS ARE PROTECTED AGAINST WEATHER AND HUMIDITY, IN A PLACE WITH A TEMPERATURE BETWEEN 5 AND 40 °C.

II. THE AREA IN FRONT OF THE POWER SOCKET IS CLEAR, AND HAS SUFFICIENT WIDTH AND HEIGHT FOR SAFE ACCESSIBILITY.

III. THE ELECTRICAL CABLES CONNECTED TO THE PLATFORM ARE PROTECTED AGAINST POSSIBLE DAMAGE, AND ARE ACCESSIBLE/INSPECTABLE.

4.09. SAFETY SIGNS CHECK

Check the correct application of the following plates and signs (ref.: IM.TEC.059 - CAP. 12):

I. IN THE PIT THERE IS A SIGN INDICATING THE DANGER OF ACCESS AND REQUIRING THE SAFETY DEVICE TO BE ENGAGED BEFORE ENTERING THE SPACE UNDER THE PLATFORM/PIT **3.**

II. ON THE GUIDE RAILS HOUSING, INSTRUCTIONS FOR EMERGENCY MANOEUVRING BY HAND **4.**

III. ON THE EMERGENCY LOWERING SCREW, INDICATING ITS FUNCTION **5.**

IV. ON THE GUIDE RAILS, INDICATING THE MANUFACTURER'S NAME **7.**

4.10. NOISE EMISSION CONTROL

Check that the sound pressure level does not exceed the relevant values [± 3 dB(A)] at the following points:

I. SOUND PRESSURE LEVEL AT THE PEDESTRIAN IS WITHIN THE PARAMETERS: ≤ 60 dB(A).

II. THE SOUND PRESSURE LEVEL AT THE LANDING FLOORS, MEASURED AT 1 m FROM THE PLATFORM, IS WITHIN THE PARAMETERS: ≤ 55 dB(A).

List of installed safety components:

| Security Component | Component type |
|--------------------|----------------|
| Landing doors lock | |

| | | |
|--|--|-------------------|
| PLANT NO. _____ | YEAR OF CONSTRUCTION: _____ | |
| Load capacity: _____ ____ kg | RUNNING: _____ ____ m | |
| NO. OF STOPS: _____ | NO. SERVICES: _____ | CAR ACCESS: _____ |
| Manufacturer: LIFTINGITALIA S.r.l. Address: V. Caduti del Lavoro, 16 - 43058 Bogolese di Sorbolo (PR) - ITALY tel. +39 0521.695311 - fax. +39 0521.695313 | Supplier: LIFTINGITALIA S.r.l. Address: V. Caduti del Lavoro, 16 - 43058 Bogolese di Sorbolo (PR) - ITALY tel. +39 0521.695311 - fax. +39 0521.695313 | |
| Owner: _____ Address: _____ _____ | Place of installation: _____ Address: _____ _____ | |
| Tel. _____ - Fax. _____ | Tel. _____ - Fax. _____ | |
| Installing company: _____ Address: _____ _____ | Checks carried out on : _____ _____ by Mr. _____ as representative of the installer | |
| Eventuali note: _____ _____ | | |

5. Final inspection confirmation and lift commissioning

Confirmation of final inspection and lift commissioning for the installation No.

All Checks were successful

YES

NO

If all previous checks have been successful, the system and its installation correspond to the requirements of Legislative Decree No. 17 of 27.01.2010.

Eventuali note:

Date

Installer/Verifier's signature: _____

The installer certifies that the installation was carried out in a workmanlike manner, as all Checks were successful.

The manufacturer draws up the relevant declaration of conformity, and the installer can affix the CE marking in the car.

The plant may be lifted commissioning after the requirements of Article 5 of Presidential Decree No. 214 of 5 October 2010 (Amendments to Article 12 of Presidential Decree No. 162 of 30 April 1999) have been fulfilled.

COPY TO BE SENT TO SUPPLIER

Confirmation of final inspection and lift commissioning for the installation No.

All Checks were successful YES NO

If all previous checks have been successful, the system and its installation correspond to the requirements of Legislative Decree No. 17 of 27.01.2010.

Eventuali note:

Date _____ Installer/Verifier's signature: _____

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