

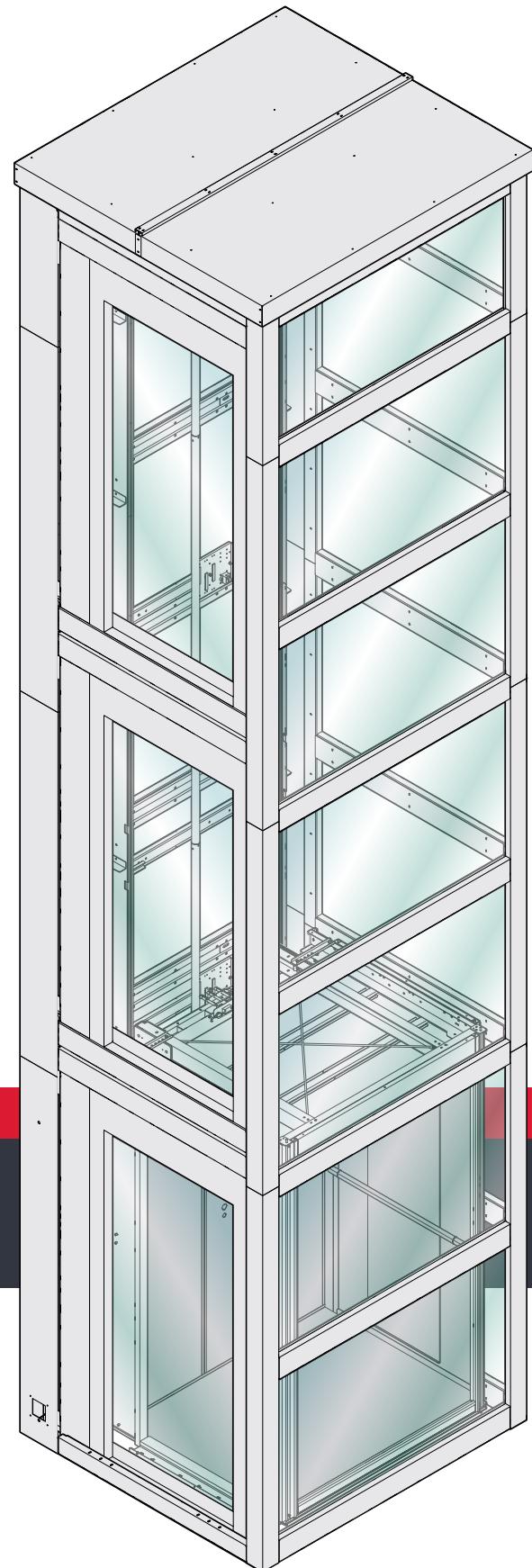
SimpLift®

in Cross 50.2 structure and masonry shaft

*Electric screw driven Homelift
with car*

FINAL CHECKS

(Rev.0)



sample image



AREALIFTING®

THE VERTICAL MOBILITY MANUFACTURER

SimpLift® - Cross 50.2 structure and masonry shaft

FINAL CHECKS

20241211

0	First issue	07.02.2024
Rev.	<i>Description</i>	<i>Date</i>

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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



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.

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.

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.



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 occupational safety procedures and any health and safety regulations in force in the country and at the site where the installation is carried out.

Persons authorised to carry out installation, maintenance and rescue operations are those in possession of a lift maintenance certificate, issued in accordance with the regulations in force in the country of installation.

The lift/platform (and each of its components) must be installed as described in the project drawing attached to the system and in accordance with the instructions in this manual; any deviation from the prescribed procedure may adversely affect the operation and safety of the system and cause the immediate voiding of the warranty.

Any changes or variations made, with respect to the design and the assembly instructions, must be documented in detail and reported to LIFTING ITALIA S.r.l. promptly, in order to allow the company an adequate evaluation. Under no circumstances may a modified installation be activated without the express authorisation of LIFTING ITALIA S.r.l.

The lift/platform must only be used in the manner intended by the system and illustrated in the relevant manuals (transport of persons and/or goods, maximum loads, cycles of use, etc.). LIFTING ITALIA S.r.l. accepts no liability for damage to persons and property caused by improper use of the system.



The photographs and images in this manual are for illustrative purposes only.

4. Testing and handover of the system



This "FINAL CHECKS" manual contains the report of the checks prior to the 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 lift table 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 stated on the form, to the company supplying the system, in order to allow the contractual warranty period to begin.

Should the form not be 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 manufacturer.

4.01. Checks and controls for compliance documentation

The individual checks described below serve to verify the correct execution of the assembly: for each one, 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.

The project drawing and circuit diagram are helpful for the checks.

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

WARNING



DANGER OF CRUSHING

When you are required to enter the pit, you must first open the main switch in the power cabinet and switch on the safety device.

WARNING



RISK OF ELECTROCUTION

Some operations require working with the cabinet open and live.

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

NOTICE



NOTE 1: When it is stated in these instructions to carry out tests "with maximum static load", the cabin must be loaded, evenly distributed.

NOTE 2: When it is stated in these instructions to carry out "full load" tests, the cab must be loaded, evenly distributed, with a mass equal to the nominal load capacity (indicated on the cab 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.

I.1.01 TESTS PERFORMED DURING ASSEMBLY

Verify the positive outcome of the tests conducted at the points in the installation manual (IM.TEC.125):

- § 8.01. ELECTRICAL SYSTEM UPSTREAM OF THE PLATFORM - PREPARATION
- § 10.0.9. ELECTRICAL CONNECTIONS FOR THE FIRST START-UP
- § 10.10. BEFORE HANDLING THE CABIN
- § 11. FIRST TRIAL RUN

I.1.02 ORIGINAL LIFTINGITALIA MATERIALS

The lifting platform must correspond to that designed by LIFTINGITALIA. Therefore the installer confirms that he has used, as designed, all and only materials supplied by LIFTINGITALIA.

CABIN LOADED WITH MAX. STATIC LOAD

I.1.03 PLANT STRUCTURAL TEST

Check, after loading the cabin with the maximum static load, that there **is no permanent deformation of the system.**

FULLY LOADED CAB

I.1.04 SAFETY SPACE IN THE PIT

Check the safety clearance in the pit and the mechanical strength of the safe-pit device with a fully loaded cab:

- I. bring the cabin to a higher stop;
- II. open the door to the lowest floor and insert the safe-pit device;
- III. close the door and call the booth downstairs;
- IV. open the door of the lowest floor and, without entering the pit, check that the car is resting on the strut, **with a free height of at least 500 mm;**
- V. bring the cabin to a higher stop and check that the **pit strut (mechanical pit safety device) and its fastening have not been damaged;**
- VI. restore the installation.

VI.1.01 ASCENT AND DESCENT SPEED TEST

Check upward and downward speeds with a fully loaded cab:

- I. measure the distance between two planes (metres);
- II. standing on the floor, call the car up from one floor to the next and note the travel time (seconds);
- III. repeat downhill;
- IV. calculate speed as distance (in metres) divided by time (in seconds);
- V. the speed must be no greater than 0.15 metres/second;
- VI. restore the installation.

CAB BOTH FULLY LOADED AND EMPTY

VI.1.01 STOPPING PRECISION

Check the stopping accuracy (both with empty and fully loaded cab):

- I. always controlled from the floor control panel;
- II. with a loaded cabin, make a climbing stroke, 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;

FINAL CHECKS

- V. repeat downhill for all stops;
- VI. repeat uphill and downhill with empty cab;

VII. maximum permissible height difference for all cases: 10 mm above or below the floor.

EMPTY CABIN**VII.1.01 STOP BUTTON AND ALARM BUTTON**

Check that the STOP button stops the system and that the alarm button actuates the acoustic signal:

- I. stop the car between two floors by pressing the STOP button;
- II. control the ascent and descent from the car control panel: **the system must not move;**
- III. repeat from the floor switchboards: **the busy signal is on and the system must not move;**
- IV. press the alarm button: **the siren should sound;**
- V. restore the installation.

V.1.01 EMERGENCY POWER SUPPLY

Check the efficiency of the emergency power supply:

- I. bring the cabin to a higher stop;
- II. switch off the power supply by opening the general switch of the system, not the general switch of 'FM', in order to simulate a power grid black-out;
- III. **the cabin emergency lighting comes on;**
- IV. press the alarm button: **the siren should sound;**
- V. press and hold any manoeuvre button, **the cab descends and stops at the level of the first useful stop, the door can be opened;**
- VI. restore the installation.

VI.1.01 COMPARTMENT CLOSURE

The compartment must be completely closed.

VI.1.02 COMMANDS

Check that the commands given are correct:

- I. a person in the cab tests the system at all stops, uphill and downhill, verifying the regular automatic stop;
- II. by releasing the car button early, the system must stop immediately (NOTE: only valid for machines with deadman controls);
- III. from all floors the car call is tested, verifying the regular automatic stop and the operation of the busy and present signals.

III.1.01 REMOVABLE CAR PANEL CONTACT

Check that the opening of the removable car panel causes the interruption of the safety series (activation of safety systems):

- I. remove the car door handle (COP);
- II. press a call button: **the car must not move.**
- III. restore the installation.

III.1.01 SKYLIGHT CONTACT

Check that opening the ceiling causes the safety chain to open::

- I. with the car on the upper floor, unscrew the safety screws that secure the removable part of the ceiling;
- II. press the call button on the lower floor and with the car in motion lift the ceiling on the control panel side: the platform should lock.
- III. restore the installation.

III.1.01 OVERTRAVEL CONTACT AND HEADROOM

Check the intervention of the overtravel contact and the safety clearance in the header:

- I. send the cabin to the highest floor;
- II. from the switchboard: access the overtravel test menu (see UDEC electrical equipment manual) and control the ascent until **the overtravel contact is triggered**;
- III. from the cabin, measure the distance between the outer surface of the arch and the lowest surface of the screw support beam: it must not be < 100 mm;
- IV. Use and verify the function of the false header device and its safety contact
- V. return the car to the floor using the emergency lowering (SB-MEM button) and resume normal operation.
- VI. repeat overtravel contact intervention with cabin at the lowest floor.

VI.1.01 FLOOR DOOR LOCKS

Check the lock of the landing doors.

- a) the lock must lock the landing door; this condition is automatically verified with conditions b) and c) below.
- b) **locks must allow a maximum unlocking zone of 50 mm**, above and below the level of each floor; to verify it:
 - I. measure the difference in height between the floor and car threshold; **maximum distance 50 mm**;
 - II. repeat for all stops, both above and below floor level;
 - c) outside the unlocking zone the system only operates with the doors closed and locked. The movement is controlled with the removable bridge contact of the dead bolt, and with the removable bridge contact of the door leaf preliminary approach. The independence and effectiveness of both contacts is checked:
 - I. go to the lower floor and open the door;
 - II. short-circuit the bolt contact;
 - III. control the ascent from the cab: the system must not move;
 - IV. remove the dead bolt short-circuit, do this on the preliminary and ensure that the dead bolt contact remains open;
 - V. control the ascent from the cabin: the system moves, then stops;
 - VI. remove the short-circuit and measure the difference in level between the floor and car threshold; **maximum distance 50 mm**;
 - VII. repeat for all stops, both uphill and downhill.

VII.1.01 DISTANCES FROM THE ENTRANCE

Check the maximum distance between compartment and cabin entrances:

- I. measure the distance between the cabin (load carrier), the doors and the wall of the compartment in front of the access: **the distance between the compartment and the cabin must be a maximum of 20 mm at any point throughout the travel.** (NOTE: only valid for machines without cab doors);

I.1.01 RAIL BRACKET CENTRE DISTANCE

Ensure that the vertical distance between each rail fastening bracket and the next bracket **is no greater than the dimension noted on the project drawing.**

I.1.02 EARTHING CONNECTION

Check electrical continuity:

I. with the system in a running condition, produce a short circuit between the last point of the safety series and earth;

II. check that the cabin stops and that the protective device trips (QF-SER switch);

III. eliminate the short-circuit. Check that the system resets only after resetting from the control panel.

III.1.01 ELECTRICAL SYSTEM INSULATION

Check the insulation to earth by following the specific instructions in the electrical equipment manual.

III.1.02 COMPARTMENT LIGHTING (IF PRESENT)

Check that the steady light in the compartment (if present) switches on and off during machine operation;

III.1.03 OPTOELECTRONIC BARRIERS

Check their functioning:

CABIN WITHOUT DOORS

With the car in motion, intercept the beam of a photocell (or electronic barrier); the system must stop and remain stationary until the obstacle is removed and the ascent is commanded again.

CABIN WITH DOORS

when stopped on a floor with doors that are closing, intercept the beam of a photocell (or electronic barrier), **the car doors must reopen and remain open until the obstacle is removed.**

III.1.04 BUTTON ENABLING KEY (OPTIONAL)

To verify their functioning:

- I. in the cabin, without switching the enabling key, try to control ascent and descent: the system must not move;
- II. press the alarm button: the siren should sound
- III. repeat after switching the key: the system should move smoothly;
- IV. repeat from each floor, switching the floor key.

IV.1.01 SWITCHBOARD

Verify that:

- I. the switching cabinet room is protected against weather and humidity, and can maintain a temperature of between 5 and 40 °C at all times;
- II. the area in front of the door is clear, and has sufficient width and height for safe accessibility of the switchboard;
- III. sufficient lighting is available to achieve perfect visibility and identification of the components inside the cabinet;
- IV. the electrical cables connected to the cabinet are protected against possible damage, and that they can be inspected.

IV.1.01 SIGNAGE

Check the correct application of the following plates and signs:

- I. in the pit, indicating the danger of access and requiring the safety device to be engaged;
- II. on the control panel, indicating the electrical hazard and instructions for emergency manoeuvring by hand;
- III. next to the main power switch, indicating the mode of operation;
- IV. in the cab, indicating load capacity, capacity and manufacturer's name and instructions for emergency manoeuvring via the control panel (in the event of a power failure);
- V. at the platform's external alarm, indicating its function.

V.1.01 MOTHER SCREW WEAR REFERENCES**Verify that:**

- I. the position of the wear register of the screw nut is in accordance with the installation manual (§ 12.06. Screw nut - wear check): the upper edge of the register must be aligned +/- 0.1 mm with the upper face of the screw nut before commissioning;
- II. the position of the wear contact of the lead screw is in accordance with the installation manual (§ 12.06. Lead screw - wear check): the head of the contact must be ~1mm from both the vertical and the inclined surface of the lead screw before commissioning.

List of installed safety components:

Security Component	Component type
Landing door lock	

PLANT NO. _____	YEAR OF CONSTRUCTION: _____	
WEIGHT: _____ kg	RUNNING: _____ m	
NO. OF STOPS: _____	NO. SERVICES: _____	NO. OF CAB ACCESSES: _____
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. Confirmation of final inspection and commissioning

Confirmation of final inspection and commissioning for installation No. [REDACTED]

All verifications 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 EC declaration of conformity, and the installer can affix the CE marking in the cabin.

The plant may be commissioned after the fulfilment of 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).

COPY TO BE SENT TO SUPPLIER

Confirmation of final inspection and commissioning for installation No. 1234567890

All verifications 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.

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