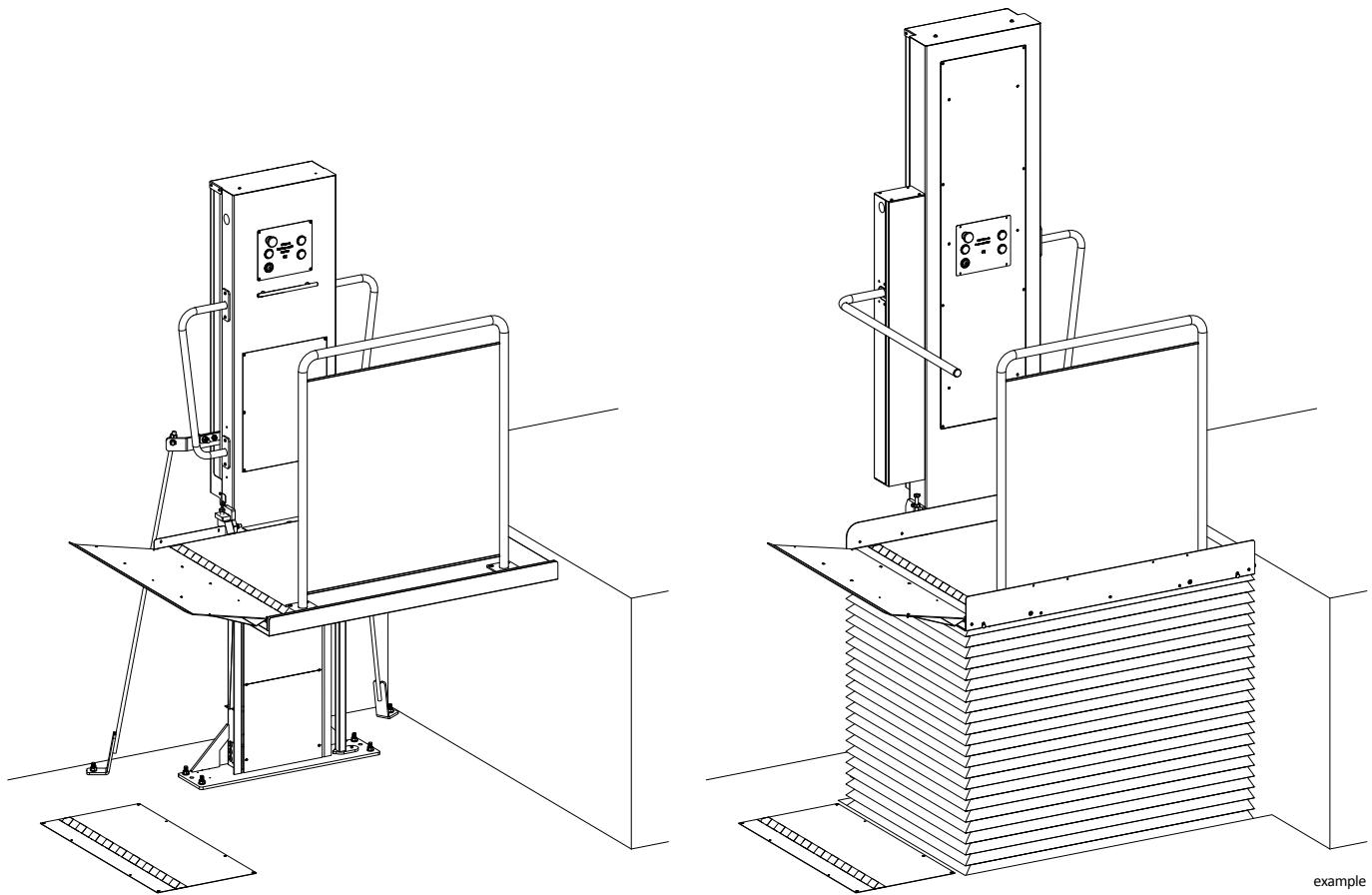


domoSTEP

Hydraulic platform for small height differences



FINAL TESTS



As far as the following items are concerned : general instructions, safety instructions, responsibility and warranty, material receiving and storage on site, packing, waste disposal, cleaning and maintenance, please consult the manual "**SAFETY AND MATERIAL HANDLING ON SITE**".

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Rev.	Descrizione	Data

0 MANUAL READING GUIDE

0.1 CHAPTER SYMBOLS

	General information		Positioning		domoFLEX100 model
	Box content		Installation		domoFLEX160 model
	Preliminary advice		Commissioning		
	Read carefully		Electrical Wiring		

0.2 IMPORTANT ITEMS

	General safety warning		Important notice		Read carefully
	Risk of electric shock		Risk of bodily injury (e.g. due to sharp angles or protruding parts)		Risk of damage to mechanical parts (e.g. during incorrect installation)
	Fire hazard		Hanging load		Risk of skin injury
	Risk of falling		No entry		Materials to be protected against bad weather conditions

0.3 INDIVIDUAL SAFETY DEVICES

	Hard hat		Ear protection		Safety harness and other accessories
	Overalls		Safety steel-toe boots with ankle protection		Safety glasses
	Dust masks		Work gloves Rubber gloves		First aid kit

The words **WARNING** and **CAUTION** are used to highlight the following risks of injury and damage:

WARNING	Serious danger to safety
CAUTION	Risk of damage to materials which may lead to safety risks



1 COMMISSIONING AND HANDOVER



This manual contains the list of final tests needed for lift commissioning by the installer. Upon the commissioning completed, the installer will sign the protocol, indicating the exact date and the data of the installation company and special notes, if any.

The manual must be signed by the owner of the lift, to confirm the final commissioning and handover of the lift and the ownership of all the related documentation.

This manual must be filled in, following the instructions stated in the below paragraphs: the manual must be kept nearby the lift as part of the conformity documents; the last page form must be sent to the Supplier within 15 days from the date stated on the form itself, so that the warranty period can start in due time.

Should the form not be sent as per the above instructions, the warranty will start on the date of shipment and will not exceed the standard term.



2 CONFORMITY TESTS



The single tests described below are to verify the correct assembly: each of them contains the requirements to be matched and the way to check them.



The operations described in this paragraph, can be carried out by adequately qualified personnel.

The below listed operations are to support standard test procedures required by project and electrical drawings. Should any of these operations lead to negative results, the related assembly operation must be repeated in accordance with installation instructions.



It is necessary to insert the safety device before entering the pit.

Execute tests with empty mat but on case it is suggested to load it.

NOTE 1: If on these instructions it is written to test "with static high load", you need to charge the mat uniformly, with the following masses:

Nominal car load (kg)	340
Weight to be loaded (kg)	425

NOTE 2: If on these instructions it is written to test "with static high load", you need to charge the mat uniformly, with a mass equal to nominal load (reported on load plate).

NOTE 3: When the instructions recommend to "Refresh", go backwards through the steps described, to bring the lift back to the starting conditions.

2.1 CONTROL PANEL TESTING

The control panel is compliant with the installation manual, paragraph **9.1**.

2.2 FIRST TEST TRAVELS

Carry out checks as reported on the installation manual, paragraph **9.2**.

2.3 ORIGINAL MATERIALS FROM LIFTINGITALIA

The lift must match the LIFTINGITALIA project requirements. Therefore, the installer has to confirm the exclusive use of materials supplied by LIFTINGITALIA.

MAT LOAD AT MAXIMUM STATIC LOAD**2.4 STRUCTURAL TEST**

After loading the car with the maximum static load, verify absence of **permanent deformities** of the lift.

FULL LOAD CHARGE**2.5 RISE AND FALL FASTEN TEST**

Verify rise and fall full charge mat:

- i. measure the distance between the two floors (meters);
- ii. at the floor, call the rising mat from one step to another and count how long it takes for the movement (seconds);
- iii. repeat the operation in fall;
- iv. calculate the height data as distance (in meters) and divide it in time (seconds);
- v. **the height must be less than 0,08 meter/seconds;**

2.6 GRAVE SAFETY

Verify the security device mechanic strength on grave with full load charge mat:

- i. stop the mat at the upper floor as indicated in the installation manual, chapter **10**;
- ii. put the manual pit protection device in the working position;
- iii. lower the floor until the platform is resting on the protection device;
- iv. check that the platform rests on the device;
- v. bring the platform to the upper stop and check that **the device has not been damaged**;
- vi. refresh the system.

BOTH FULL AND EMPTY LOAD**2.7 STOP PRECISION**

Verify stop precision (both full and empty load):

- i. always order by means of floor control station or remote control device;
- ii. at full charge mat, execute a rise travel, letting the system stop by itself at the floor;
- iii. measure the vertical gap between mat and floor;
- iv. repeat the operation in fall travel;
- v. repeat it in rise and in fall with empty load mat;
- vi. **the highest tolerable gap is in any case about 10 mm up or down the floor.**

EMPTY LOAD MAT**2.8 "STOP" BUTTON (if provided) AND ALLARM BUTTON**

Verify STOP button stops the system and that allarm button starts the acoustic sound:

- i. stops the mat between the two floor, pressing STOP button (if provided);
- ii. order rise and fall by control station: **the system should not move;**
- iii. repeat the operation by floor control station: **busy signal is on and the system shouldn't move;**
- iv. press allarm button: **the siren must sound;**
- v. refresh the system.

2.9 CONTROL

Verify the accuracy of given control order:

- i. a person on platform tests the system movement to upper stop and vice versa, verifying the regular authomatic stop;
- ii. leaving the button previously on board, the system has to stop immediately;
- iii. from floors you try to call the platform, verifying its regular authomatic stop.

2.10 BUTTON ENABLING KEY (optional)

To test the key proceed as follows:

- i. on platform, without inverting licence key, try to control rise and fall: the system shouldn't move;
- ii. press the alarm button to activate the siren;
- iii. commute to the key and repeat the same operations: the lift will start moving regularly.

2.11 ELECTRICAL COMPONENTS

Check the following conditions:

- i. the electrical components are protected against weather and humidity in an environment with a temperature between 5 and 40 °C;
- ii. the area in front of the power outlet is clear and has sufficient width and height for safe access;
- iii. the electrical cables connected to the platform are protected against possible damage and can be inspected.

2.12 SIGNAGE

Check the correct application of the following plates and signs:

- i. in the pit (access might be dangerous without safety devices);
- ii. on the guide column, the instructions for manual emergency manoeuvring;
- iii. on the guide column, with developer name indications;
- iv. on the emergency descent screw, which indicates its function.

2.13 NOISE EMISSION

Verify that the sound pressure emission does not exceeds the maximum level in the following areas (± 3 dB(A)):

- i. on platform,: ≤ 60 dB(A);
- ii. on exit floor, 1 m far from platform: ≤ 55 dB(A);

LIFT N° _____	YEAR OF MANUFACTURE: _____	
LOAD: _____ kg	TRAVEL: _____ m	
N° STOPS: _____	N° SERVICES: _____	N° CAR ACCESSES: _____
Manufacturer: LIFTINGITALIA S.r.l. Address: V. Caduti del Lavoro, 16 - 43058 Bogolese di Sorbolo (PR) - ITALY ph. +39 0521.695311 - fax. +39 0521.695313	Supplier: LIFTINGITALIA S.r.l. Address: V. Caduti del Lavoro, 16 - 43058 Bogolese di Sorbolo (PR) - ITALY ph. +39 0521.695311 - fax. +39 0521.695313	
Owner: _____ Address: _____ Ph. _____ - Fax. _____	Installation site: _____ Address: _____ Ph. _____ - Fax. _____	
Installer: _____ Address: _____ Ph. _____ - Fax. _____	Tests effected (date) : _____ by _____ as installer's representative	
Special notes : _____ _____		

Final commissioning confirmation for lift N° _____

The tests have been carried out with positive results **SI**

NO

in case of positive results, the lift can be considered compliant with the Italian law D.Lgs. 27.01.2010, n° 17.

Special notes : _____

Date _____ Installer's / verifier's signature: _____

The installer certifies to have carried out the installation properly, because all the tests have given positive results.

The manufacturer will compile the related EC declaration of conformity, and the installer will be able to apply the EC mark in the car.

The lift can be put into operation after the fulfilment of the requirements as per par. 5 of the President's Decree n. 214 (Amendments to the art. 12 of the President's Decree n. 162 dated 30.04.1999), dated 05.10.2010.

COPY FOR THE SUPPLIER

Final commissioning confirmation for lift N° _____

The tests have been carried out with positive results **SI** **NO**

in case of positive results, the lift can be considered compliant with the Italian law D.Lgs. 27.01.2010, n° 17.

Special notes : _____

Date _____

Installer's / verifier's signature: _____

The installer certifies to have carried out the installation properly, because all the tests have given positive results.

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