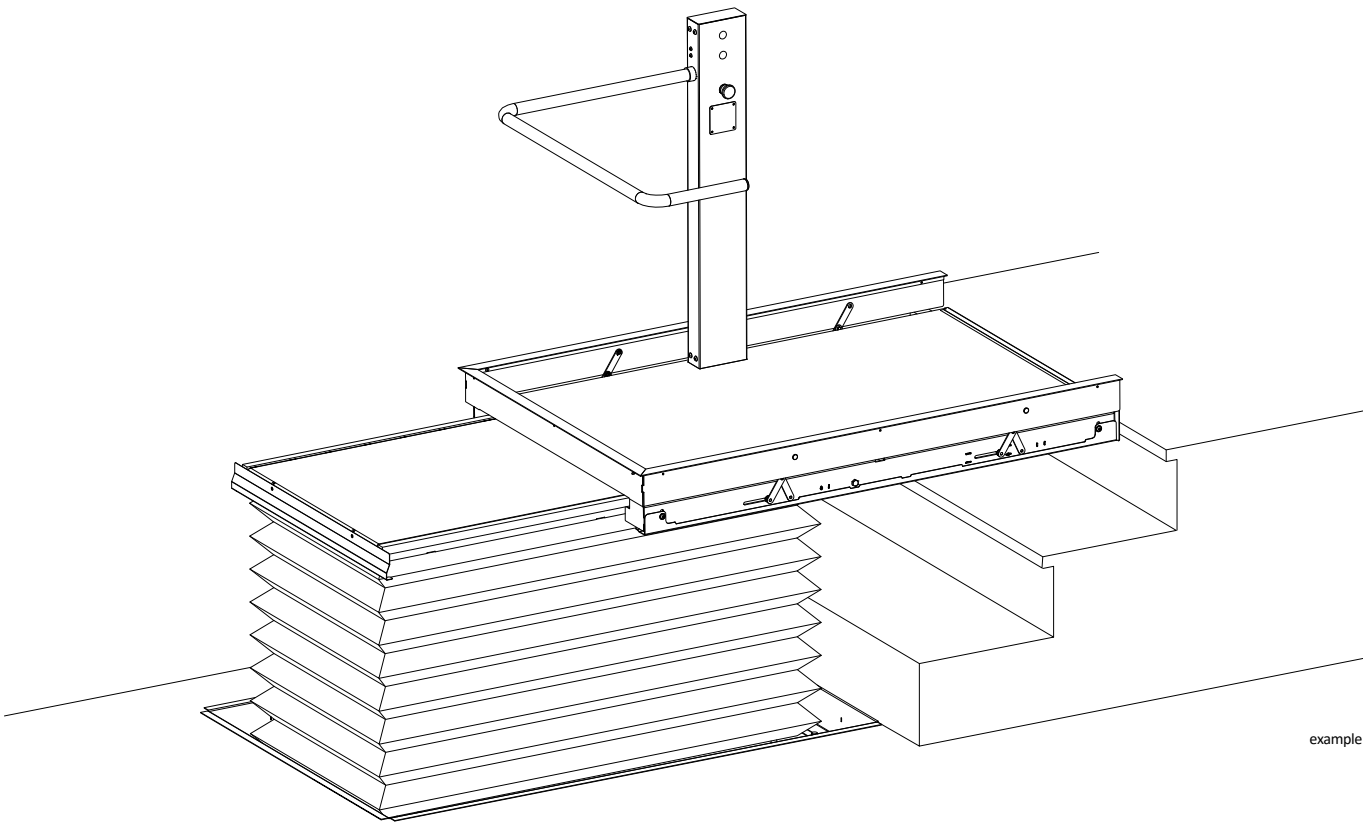
**LIFTINGITALIA S.r.l.**
Via Caduti del Lavoro, 16 - 43058 Bogolese, Sorbolo (PR) - Italy
Phone +39 0521.695311 - Fax +39 0521.695313

# miniPOCKET

Transfering platform



example

## 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**".

## INDEX



| | | |
|---|---|---|
| | | |
| | | |
| | | |
| *Rev.* | *Descrizione* | *Data* |

# 0 MANUAL READING GUIDE

## 0.1 CHAPTER SYMBOLS

| | | | |
|---|---|---|---|
|  | General information |  | Positioning |
|  | Box content |  | Installation |
|  | 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<br>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

Le singole verifiche di seguito descritte servono a verificare la corretta esecuzione del montaggio: per ognuna di esse si descrive il 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.

Before accessing the pit, open the main driving forse switch and activate the safe pit device.

Some of the operations require that the control cabinet be open and under power.

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) | 250 |
| Weight to be loaded (kg) | 313 |

**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**. ☐

### 2.2 FIRST TEST TRAVELS

Carry out checks as reported on the installation manual, paragraph **8**. ☐

### 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 PRESSURE CONTACT TEST OF OVERLOAD

Verify the action of pressure contact of overload at full load mat:

i. take the mat at upper floor and rise the mat;
ii. **verify the system don't respond to commands on cabin nor at floor;** ☐
iii. repare the system.

### 2.6 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. repeate 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 0,15 meter/seconds**; ☐

### 2.7 GRAVE SAFETY

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

i. stop the mat at the upper floor;
ii. rise up the folder and arrange security screws;
iii. let the mat fall untill rollers pins touch security screws;
iv. without entering the grave, verify that rollers pins lay against security screws; ☐
v. take the mat at the upper floor and check that **security screws are not damaged**; ☐
vi. refresh the system.

**BOTH FULL AND EMPTY LOAD**

**2.8 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**

**2.9 "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.

**2.10 EMERGENCY SUPPLY**

Verify the efficiency of emergency supply:

i. move the platform to upper stop and extract the mat;
ii. stop electric supply opening system main switch, not the general "FM", to pretend electric network black-out;
iii. press allarm button: **the siren must sound**; ☐
iv. press and keep on pressing any control button, **the platform closes and falls at lower stop**; ☐
v. refresh the system.

**2.11 CONTROL**

Verify the accurancy 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 and its busy signal functioning.

## 2.12 GROUNDING CONNECTION

Check the electrical continuity:

i. with the lift moving, generate a short circuit between the last point of the safety chain and the grounding;

ii. verify the car stop and **the automatic valve activation (alternatively a fuse burning)**; ☐

iii. refresh.

## 2.13 ELECTRICAL COMPONENTS INSULATION

Check the insulation related to the grounding **(the minimum value must be 0,5 MΩ)** following the electrical drawings. ☐

## 2.14 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.

## 2.15 CONTROL CABINET

Check the following conditions:

i. the control cabinet is located in a suitable room, protected from bad weather conditions and humidity, and can keep the constant temperature comprised between 5 and 40 °C; ☐

ii. the area in front of the cabinet door is clean, and its width and height are suffucient for a safe access; ☐

iii. a relevant lighting is available, to ensure a perfect visibility and component identification inside the cabinet; ☐

iv. the hoses and electrical wires connected to the cabinet are adequately protected from damages, and inspectable. ☐

## 2.16 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 control cabinet (electrical hazard, emergency operation instructions);

iii. beside the main supply switch (operation mode);

iv. on platform, with load, volume and developer name indications;

v. close to the outer alarm system of the lift (to explain its function).

## 2.17 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); ☐

iii. in front of the machine room cabinet , at a distance of 1 metre: 55 dB(A); ☐

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

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° _____

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