

Stairclimber

Mod. BUDDY

Mod. BUDDY LIFT



N.B.: This section of the handbook has to be filled upon delivery or on installation. It's important to mention the under specified numbers in each written communication with your reseller.

# **CONFORMITY DECLARATION**

The manufacturing company ZONZINI s.r.l. in Via Don Sturzo 8, 37052 Casaleone - VR - Italy, declares:

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omplies with the guide line CE 2006/42/CE and following amendments and electronic ompatibility 2014/30/UE
The legal representative
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# **WARNINGS**

- 1. Before making use of the trolley, it's very important to read carefully the instruction handbook and to comply with the relevant rules for a safe and better use of the trolley itself.
- 2. **ATTENTION:** the trolley should be used exclusively to ascend and descend the stairs by transporting household appliances, furniture and suchlike loads. It's absolutely forbidden to transport inflammable, explosive, corrosive or dangerous loads to people, things or animals.
- 3. The stairs should be stout and rugged and suitable to stand the passage of the trolley at full load and that of the operator under the highest safety conditions (take into account a trolleys empty weight of 34 kg Buddy and 44 kg Buddy Lift without battery). They also should be in reinforced concrete or coated with no crumbly marble or with tiles and integral and allow to have enough room to performed the required manoeuvres with the carried load. The user shall take care of checking together, with the help of a skilled technician, if the stairs meet all the requirements necessary for the type of transport.
- 4. The maximum height of step should not cause any difficulties to the operator in ascending the stairs backwards or descending them and the maximum inclination of the stairs should also not exceed 30°.
- 5. The buyer shall make sure that people authorized to the use of this trolley are suited to implement accordingly the rules contained in the instruction handbook. However, the use of the trolley should not be allowed to those who have not been previously informed on its use. The company accepts no responsability for non-observance of these rules.
- 6. Do not use the trolley, before having checked its good conditions, at least the visible one.
- 7. Please handle and carry only household appliances, furniture and suchlike loads wich are not overlapped and do not have height, width and depth sizes that may affect the stability of the trolley.
- 8. Do never handle more than the maximum prescribed capacity (120 kg or 160 kg depending from the model), which is written on the alluminium plate on the trolley.
- 9. Fix always the load to the vertical structure of the trolley with the standard supplied belt tightly and firmly.
- 10. It's absolutely forbidden to pass by, to stand at or close to the load.
- 11. Wear safety footwear with metallic ferrule and anti-slip soles.
- 12. Please check periodically and if necessary let skilled personnel replace all the movable parts with original ones, such as: belts, bearings, bolts, nuts, electric piston and so on; all fasteners on the trolley, the toothed pulleys and the wheels.

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#### 1. FOREWORD

This handbook provides the personnel in charge of the machine's functioning and those in charge of the machine's ordinary maintenance with all information necessary to work under safety conditions.

This user's handbook is an integral part of the machine and contains the information necessary for machine's funcioning and maintenance.

The user is required to read it carefully before installation and use.

The operator's handbook has to be kept all the machine's life long and to be transfer to any other user or to the further owner.

Furthermore we recommend to contact the Manufacturing House for any required information on spare parts and accessories. However it is forbidden to perform any operations of which the proper modes were not understood.

The handbook or a copy of it has to be always put near the machine for a quick consultation by the skilled operator. It must be kept in a place safe from heat, humidity and corrosive agents (oils, lubrificants, corrosive products).

The handbook should be consulted without damaging it. Do not remove any pages, exchange or delete information or, however, change its contents.

# 1.1. Consultation guide



Please pay attention to this symbol: it shows the most dangerous operations or situations.



This symbol highlights a very important note or recommendation.

Please pay great attention to the bold highlighted texts with a larger or underlined type, because they refer to operations and information of particular relevance.

All reported safety rules are important and as such should be strictly fulfilled.

Hereinafter it is meant by the term "behind" or "back" the part of the machine, where the operator works, whereas by the term "before" or "front" it is meant the opposite side.

For each operation to be performed on the machine please refer to the below described qualification levels, in order to identify the quilified personnel to carry it out.

**Unskilled operator:** personnel without any specific expertise who is able to carry out only simple tasks, that it is the machine running by means of suitable controls.

**Skilled operator:** personnel who is able to carry out the tasks of the previous qualification and also to operate on the machine with disabled safety catches, in order to perform simple functions like adjustments, recordings, start or restart of production following a stoppage.

**Machine maintenance worker:** technical skilled personnel who is able to run the machine under normal conditions, to make it function with disabled safety catches, to operate on mechanical components, in order to perform all the required adjustments, maintenances and repairs.

**Manufacturer's technician:** technical skilled personnel put at disposal by the Manufacturer to perform elaborate operations in particular situations or, however, according to what agreed upon with the user.

The operations described in this handbook are relevant to each phase of the machine life cycle and were carefully examined by the company Zonzini S.r.l. Therefore the number of operators shown for each of them and the required qualifications are the most suitable to perform the function in the best way.



The use of a different number of workers or of a lower qualification level to the one required for could risk the involved personnel or who is standing near the machine.



#### 1.2. Overall dimensions

Buddy **Buddy Lift** 1 7 모 Bf Bf В В Buddy lift Buddy lift 1 Model Identification name Buddy 120 Buddy 160 120 160 CARACTERISTICS Nominal capacity Capacity Kg 120 160 120 160 Traction type Manual manual manual manual manual Stairclimbing Manual / electrical elettrical elettrical elettrical elettrical machanism Manoeuvre ground ground Manouvrer on the ground ground ground position 6 Gumming Pneumatic wheels Yes/no Yes Yes Yes 7 Wheels 2 2 Quantity 2 2 Lf Lenght x Bf Width 335 x 222 335 x 222 335 x 222 335 x 222 8 Base mm 9 L Trolley width mm 530 530 530 530 DIMENSIONS 10 555 555 570 570 **B** Lenght mm 11 H Height at the handle 1510 1510 1510 1510 Maximum mm 12 dimensions 260 260 260 Hg Step maximum height 260 mm 13 C max Base maximum height mm 800 800 14 X Track mm 447 447 447 447 18 **b1** barycentre distance  $\mathsf{mm}$ At the buttom, that is near the base Barycentre 19 **b2** barycentre distance Nearer to the support of the load mm distance 20 bl barycentre distance in width in the middle of the trolley mm PERFORMANCE 22 Stairclimbing mechanism aprox. step/min 18 15 18 15 Speedy 23 Liftable base 10 6 mm/sec WEIGHTS Weight without 25 Trolley without battery Kg 34 34 44 44 load

Type

earth

Tension / capacity

Pb/gel

24

6

Pb/gel

24

6

Pb/gel

24

6

Pb/gel

24

6

V/Ah

Kg

26

27

28

**Battery** 

CONTROL

Шах

<sup>\*</sup>The Company Zonzini srl reserves the right to apply any changes without prior notice.

# 1.3. Distinguishing marks

The name plate to identify the machine shows all its data and is put on the bottom side part of the machine.

In particular the value of the maximum capacity is reported in the plate. It is forbidden to carry loads whose weight is higher than the one reported in the plate.





#### 1.4. Use of machine

This machine was designed to ascend and descend the stairs by transporting household appliances, furniture and suchlike loads. The skilled operator takes care of checking with the help of a skilled technician that the stairs are provided with all necessary requirements for the type of transport (stoutness, extent of manoeuvring, inclination and so on).

\* However, if it used in another way, it is considered to be against the allowed use.

The machine can be used only by a skilled operator who know its particular features and is acquainted with the main safety procedures.

The rules and any other requirements of safety and occupational medicine have to be always fulfilled.

Any arbitrary change made to the machine and the non-compliance with the scheduled maintenances relieves the manufacturer from all responsabilities for any resulting damages.

Any possible changes have to be asked directly to Zonzini S.r.l., by specifing all the machine feature data and the grounds. If approved, they have to be performed only by Zonzini's authorized personnel and upon his specific instructions.

# 1.5. Noise level

The weighted A, equivalent and continuous level of acoustic pressure is always lower than 70 dB(A) at the workstation.

# 1.6. Safety signs

The hereunder described signals are reported on the machine.

It needs to read them carefully and to memorize their meaning.

We recommend that danger symbols have to be always clean and in a good condition. If necessary they have to be replaced with other original ones, requiring them to the Manufacturing-House.

The new symbols have to be attached in the same position as those replaced.



Before using the machine, read carefully the instruction and maintenance.



It is forbidden to carry out any repairs or recordings, when the components are moving.



Danger of getting squashed the upper and lower limbs.



It is compulsory to wear gloves.



It is compulsory to wear safety shoes.

#### N.B.

The motor, the reduction gear and the electrical piston are provided with their own plate. It is forbidden to remove it under penalty of warranty expiry.

#### 1.7. HANDLING AND TRANSPORT

#### 1.7.1. Transport of machine

To raise the machine, make use of forklift truck of adequate capacity or raise it with a suitable hoisting equipment by means of textile or synthetic slings to let go through them under and around the frame.

Due to its weight the machine can be handled and transport also manually, but for this operation two operators are necessary.

For the transport it is necessary to anchor machine, by fixing it with suitable belts.

#### 1.7.2. Packaging

The machine is normally put on plastic pallets and coated with nylon or protective cardboard. Make sure that the packaging material is disposed into the appropriate differentiated bins according to the material.

#### 1.7.3. Installation

The floor has to be fit for standing the weight and stresses of machine in the worst operating conditions.



#### 2. WARRANTY

Inspect the machine on delivery to check any transport damages.

Any complaints have to be sent written to the company Zonzini S.r.l. by 8 days from the receipt.

The warranty is valid for 12 months for mechanical parts from the purchase date. As for batteries the warranty is valid for 6 months from the purchase date.

The warranty provides only the replacement or repair of parts acknowledged as defected, after a careful control by the company Zonzini S.r.l. and it does not include transport costs.

However, the expenses relevant to the replacement of worn out components, any customs taxes and VAT are charged to the purchaser. Any further compensation for immediate and indirect damages and the less for resolution of the contract, for price reduction, for suspension of payments under penalty of warranty expiry are excluded as well. Neither replacements nor repairs of the parts under warranty will extend its terms.

Without any written authorization by the Manufacturer it is not possible to accept any returns.

The warranty lapses if:

- the buyer is up to date with payments.
- the instructions of this handbook are not observed.
- changes are made without any prior authorization by the company Zonzini s.r.l.
- repairs are carried out by unauthorized personnel.
- the machine is used in a different way from the prescribed one.
- the original parts have been replaced with pieces of other manufacturing.

All pneumatic components are excluded from warranty.

For any dispute the place of jurisdiction is Verona.

#### 3. SAFETY RULES

#### 3.1. Generalities

- The use of machine is allowed only to one operator.
- It is absolutely forbidden to remove or change any safety catches.

Any monoeuvrings and the use of machine are only allowed to personnel in charge who should have read and assimilated the contents of this handbook.

- \* Before using the machine, please check the intactness and the faultless working of safety devices.
- \* Do not expose the machine to any performance higher than what prescribed.
- \* It is compulsory to wear suitable clothes according to what provided for in this handbook and by the laws in force in the country of machine use. Please avoid wearing large and fluttering clothes, belts, rings, chains and nothing other that can be caught or hamper the free manoeuvre in perfect visibility.
- \* Make sure that the work place is clean and tidy and that the way to pass through is strong enough and suitable for the passage.
- \* Learn where and how it is the use of machine: carrying capacity of grounds and of stairs, weight and sizes of loads to be lifted, difficulty in movements due to spaces, doors and so on.
- It is absolutely forbidden to operate on the machine with unfixed safety catches or with cut-out safety devices.
- \* After having performed an operation of adjustment or of maintenance with reduced safety catches, it needs to reset the machine with all active safety catches.
- \* A strict adherence to scheduled maintenances shown in this handbook is necessary to operate safely and to maintain the machine efficient as well.
- \* According to the weight of the carryed loads and of frequency of handling and transport of loads, please check if the operator needs to be submitted to sanitary checks.

Please remember that a prudent and careful operator with good menthal and phisical conditions is a very important safety against any injuries.

When the machine is used, all the rules in force in the country of machine use concerning safety and workers security have to be observed.

# 3.2 Warning plate

The following plate showing an abstract of the instructions handbook with the main warnings is put on the machine.

# **WARNINGS**

- 1. Before making use of the trolley, it is very important to read carefully the instruction handbook and to comply with the relevant rules for a safe and better use of the trolley itself.
- 2. ATTENTION: the trolley should be used exclusively to ascend and descend the stairs by transporting household appliances, furniture and suchlike loads. It is absolutely forbidden to transport inflammable, explosive, corrosive or dangerous loads to people, things and animals.
- 3. The stairs should be stout and rugged and suitable to stand the passage of the trolley at full load and that of the operator under the highest safety conditions (take into account a trolleys empty weight of 34 kg Buddy and 44 kg Buddy Lift without battery). They also should be in reinforced concrete or coated with no crumbly marble or with tiles and integral and allow to have enough room to performed the required manoeuvres with the carried load. The user shall take care of checking together, with the help of a skilled technician, if the stairs meet all the requirements necessary for the type of transport.
- 4. The maximum height of step should not cause any difficulties to the operator in ascending the stairs backwards or descending them and the maximum high of the step should also not exceed 26 cm.
- 5. The buyer shall make sure that people authorized to the use of this trolley are suited to implement accordingly the rules contained in the instruction handbook. However, the use of the trolley should not be allowed to those who have not been previously informed on its use. The company accepts no responsability for non-observance of these rules.
- 6. Do not use the trolley, before having checked its good conditions, at least the visible one.
- 7. Please handle and carry only household appliances, furniture and suchlike loads wich are not overlapped and do not have height, width and depth sizes that may affect the stability of the trolley (for dimensions and maximum capacity see table 1.2)
- 8. Do never handle more than the maximum prescribed capacity (120 kg or 160 kg depending from the model), which is written on the alluminium plate on the trolley.
- 9. Fix always the load to the vertical structure of the trolley with the standard supplied belt tightly and firmly.
- 10. It's absolutely forbidden to pass by, to stand at or close to the load.
- 11. Keep out any person from the manoeuvring area.
- 12. Wear safety footwear with metallic ferrule and anti-slip soles.
- 13. Please check periodically and if necessary let skilled personnel replace all the movable parts with original ones, such as: belts, bearings, bolts, nuts, electric piston and so on; all fasteners on the trolley, the toothed pulleys and the wheels.

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#### 4. USE OF MACHINE

#### 4.1. Checks and advice before setting at work

Before setting the machine at work, the operator has to:

- \* Check the intactness of machine, the right placement and functioning of safety devices, the right winding of toothed belts on pulleys, the intactness and the total fixing of the chain drive and the gears.
- know perfectly the meaning and use of controls.

#### 4.2. Machine's safety systems

The trolley is a machine built to guarantee the operator's safety.

Therefore it is equipped with different types of safety catches.

The safety catches are appropriate devices that avoid any dangers to the operator.

# Fixed safety guards

The trolley is equipped with particular fixed safety guards that protect the motor and the chains lifting.

#### Rotor safety guards

All the machine movements occur by means of hand-operator push-buttons.

#### Safety stop

Ascending, the trolley keeps its position, as soon as the control push-button is released. Descending, the trolley does a rotary cycle before stopping. The electrical motor is provided with a brake.

#### Limit switch device

The actuator is provided with limit switches that adjust its opening and closing.

# 4.3. Machine's controls

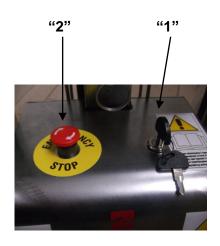
- 1. On/Off: the machine is enabled to functioning by means of the ignition lock key.
- **2. Emergency stop button:** pushing this button all electrical connections and therefore all motorized manouvres are interropted. Turning the button all functions of the trolley are reenabled again.
- **3.** Ascent/Descent: the control has three positions: "0" is the rest position, "1" is for ascending, "2" is for descending. Selecting "1" or "2" ("1" for ascending and "2" for descending) castors will automatically assume the correct position.
- **4. Lifting/Drooping (base for load support):** <u>only for Buddy Lift</u> model, this button enable the ascent or descent of the lifting base.

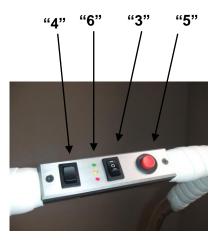


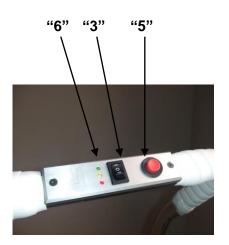
ATTENTION: remember to close the basement when lifted up, before stopping the trolley, in order to avoid the load turnover.

- **5. Gear button:** the trolley works **only** if this button is kept pushed by the operator.
- **6.** Charge indicator: it shows how is the battery charge; red color = flat / green color = charged.

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Common controls

Push-button panel Buddy Lift

Push-button panel Buddy

#### 4.4. OPERATOR'S HANDBOOK

After having removed the package of BUDDY and BUDDY LIFT, the trolleys look like as follows:

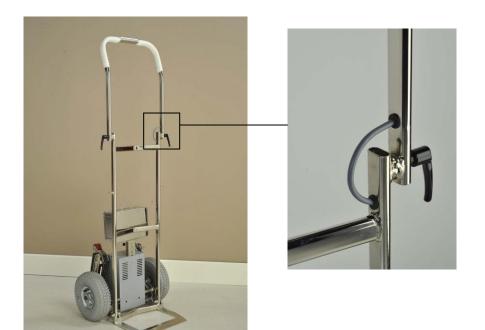
Mod. Buddy



Mod. Buddy Lift



In Buddy-model the frame is foldable and therefore the operator has to turn the two pickup handles to open it. Once the frame has been opened, the trolley Buddy-model will look like as follows:



Pickup handles

Before every use it is important to charge trolleys battery package, following this procedure: press the emergency stop button, check that the key is in Off position. In this way the trolley is completely disconnected from batteries.



Pull the black pivot and remove the battery package holding it up with a hand in the suitable applied handle. Now the battery package is ready to be charged with its appropriate charger.





To recharge the battery package, it needs to insert the connector of battery charger, as shown in the figure, and to link the red connector of battery charger to the red connector of battery package and then to insert the plug of battery charger into a source of 220 v current provided with safety systems provided for by the law.





For a good charge of the battery we recommend to keep the battery package in charge for 6/8 hours long. Once the battery package is completely charged, the charger will automatically switched off by itself.

In order to preserve and extend battery life, we recommend to charge the battery package after every use or to keep it in charge till the next use of the trolley.

Please do not go over 1 week from the last charge.

# FOR A RIGHT USE OF BUDDY AND BUDDY LIFT:



Read carefully the instructions before using the trolleys. To be familiar with controls and with the trolleys it is recommended for the first times to use light loads.

The load has to be positioned in a safe and right way on trolleys' base. During this operation the load has never to be unbalanced but the operator must always keep it under control.



Make sure that the load is homogeneous and compact in the three dimensions, moreover it has not to be, whole or in part, made by fragile material (marble, glasses and so on...)

These materials can be carried only if they are protected by an appropriate packaging that can avoid the break and the fall of small pieces. It will be <u>responsability of the operator</u> to check that the packaging satisfy the above required elements.

# 1st Phase: Grip preparation (Buddy only)

Before loading Buddy-model, please check if the pickup handles are well fixed and tight, and adjust the inclination of the grip in the most suitable way for the load handling.



# 2nd Phase: fixing the load

After having put the load on the base and leant it against Buddy structure, please make use of the suitable fastening belts to bind the object to be carried.

Please, follow this procedure to prepare the fastening belt:

- Fig. 1: open the ratchet until you hear a total click opening.
- Fig. 2: insert one side of the belt into the central gold pivot and let it go out from the opposite side.
- Fig. 3: close the ratchet pressing the central release lever that previously has been released.
- Fig. 4: couple the two sides of the belt at the metal eyelets on the frame of the trolley, tension the belt making sure that the ratchet is in stop position and that the load is well fixed before starting the transport.



Fig. 1



Fig. 2



Fig. 3





#### 3rd Phase: ascent

After having fixed the load, turn the emergency stop button and turn the machine on. Put the selector in position nr. "1" (=ascending). Castors will be automatically prepared for ascending. Move the trolley near the step and make sure that the trolley is **ALWAYS** leaned to it.



Fig. 4











NO

OK

Keep pressed the red button and start ascending the stairs, keeping the load balanced. The balance of the load is easier for Buddy Lift-model, thanks to the lifting basement that allows to find a better balance on stairs.



N.B. It is always very important to take the base down when the machine is stationary, in

# order to avoid the turnover of the weight.

#### 3rd Phase: Descent.

The predisposition of the load follows the same procedure as for ascending phase.

Put the selector in position nr. "2" (=descending) and castors will be automatically positioned, in this case, for discending. For loads higher than 100 kg, the trolley will descend automatically and the operator does not need to keep the red button pressed. For loads lower than 100 kg the operator has to press the red button only once and the trolley will do a complete cycle, that is one step.

If the operator is skilled with the machine it is possible to keep the red button continuously pressed, but only making sure to keep the trolley always leant to the step. This device has always to be fulfilled, both during ascending phase and descending phase.

#### 4.5. CONSENTED USE

Buddy and Buddy Lift trolleys have been projected to ascend and descend stairs with household appliances, furniture and suchlike loads. It is absolutely forbidden to transport inflammable, explosive, corrosive or dangerous loads to people, things and animals.

#### 4.6. NOT CONSENTED USE

With Buddy and Buddy Lift it is absolutely forbidden the transport of:

- inflammable loads,
- explosive loads,
- corrosive or dangerous loads,
- people,
- animals.

#### 4.7. OPERATIVE ENVIRONMENTAL CONDITIONS

The machine has to operate in environmental conditions of normal practicability of workers.

#### 4.8. MINIMUM WORKING SPACE

A minimum space that allow the various manoeuvres has to be guaranteed around the machine and if the load is handled.

#### 4.9. STOP MODES:

The machine stop is done by pressing the push-button with red head. Once the emergency state is worked out, please turn the push-button clockwise to reactive the circuit.

# **4.10. OUTAGE**

#### 4.10.1. Preparation for halt

In view of a long halt of machine outage adequate precautions should be taken to avoid any risky conditions at the start. It is meant by a long halt a full period of outage longer that one month.

In the event of long periods of rest:

- switch the machine off and turn the ignition lock key off;
- press the red **STOP-HEAD button**;

- clean carefully the machine;
- check carefully and replace the damaged or worn parts;
- check the state of screws and bolts;
- do a through greasing;
- keep batteries always charged and efficient;
- cover the machine after having placed it again in a safe place and lock it to avoid any live bumps.

If the machine is in faultless conditions at the restart, the user will of course benefit of it.

#### 4.10.2. Restart

This operation should be performed by the machine operator.

Check the perfect state of safety devices of machine and the general conditions of machine and refer to the chapter nr. 4.4.

#### 4.10.3. INSPECTION

All trolley manufactured by Zonzini S.r.l. are inspected at works before their marketing.

#### 5. MAINTENANCE AND REPAIRS

The maintenance has to be done by skilled personnel under strict observance of what prescribed in this handbook.

#### **Before doing the maintenance, please take all possible precautions.**

Before doing a maintenance or performing a control, please clean always the work area, and make use of suitable tools in a good condition.

Please clean the structure of the machine and the mechanism with a soft and dry cloth or slightly soaked in a weak detergent solution.

Keep oils and lubrificating greases beyond the reach of the general public. Please, read carefully the instructions specified inside the containers and stick to them. Pleas avoid any direct touch with the skin and after use of machine please wash yourself.

Dispose of oils and lubrificating greases according to the laws in force in the country of utilization.

At the end of maintenances please make sure of intactness and of faultless working of all safety devices.

#### 5.1. RECORDINGS AND CONTROLS

RECORDINGS AND CONTROLS				
Operation	Hazards			
Clean the area of support and sliding of toothed belts with compressed area.	This operation should be carried out by the machine operator; <b>please wear googles</b> .			
Lubrificate the gearing chain, the articulated joints, the bearings and bushing of wheels with adhesive grease.	This operation should be carried out by the machine operator; <b>please wear gloves and goggles</b> .			
Please control the state of the steel cable of the lifting system in Buddy Lift - model.	This operation should be carried out by the machine operator; please wear gloves.			
Please control the lacings, the buckle and the snap-hooks of the belt to hold the load.	This operation should be carried out by the machine operator; please wear gloves.			
Please perform careful controls on the feet of the reducer screwed to the trolley frame, on the gearing chain that has to be perfectly intact, on	This operation should be carried out by the machine operator or by the manufacturer; please wear gloves.			
the toothed belts that do not have to bear any cuts, abrasion or superficial cracks.				

All the recordings and controls above described should be performed always before using the machine. The company accepts no responsability for non-observance of these rules.

# 5.2. Malfunctions and troubleshooting

Hereunder some types of the easiest and most probable failures that can undermine the safety and good working of machine.

If malfunctions should persist or come up again, it is necessary to apply to a specialized technician. For any operation on the machine please take all possible precautions.

Please pay great attention to the dangerousness of the specified operation.

For any type of not hereunder specified failure, it is compulsory to ask for the assistance of a technician authorized by the manufacturing company.

TROUBLESHOOTING					
Malfunction	Probable cause	Remedy			
Inefficient ascent/descent	- higher load	- To lighten the load			
	- flat batteries	- Recharge the batteries			
	- broken-down fuse	- Replace the line fuse (see at			
		the diagram of the electrical			
		system)			
Inefficient lower/raise the	- higher load	- To lighten the load			
liftable base	- flat batteries	- Recharge the batteries			
(only in Buddy Lift-model)	- broken-down fuse	- Replace the line fuse (see at			
,		the diagram of the electrical			
		system)			

# **5.3.** Regular maintenances

The machine needs to be maintained and, if necessary, the replacement of worn and used-up components.

In particular all components in mention, bearings, pulleys, the gearing chain, toothed belts, pinions, actuator, motor, reducer, all fastening attachments, screws and clamping nuts of the many different components and wheels should be controlled and, if necessary, immediately replace at least <u>every three months</u>. These operations should be performed by the machine operator, by a skilled technician or by the manufacturer.

At least once a year the machine has to undergo a major overhaul performed by a skilled technician or by the manufacturer.

All maintenances, recordings, controls and repairs should be chronologically noted in the machine inspection book.

In the machine is continously used or operates in a dusty and wet room, the controls should be performed more frequently.

The company accepts no responsability for non-observance of what above described.



#### 6. DISMANTLING AND DISPOSAL

The machine is composed by different materials such as: steel, rubber and electrical material, therefore it needs to be disposed according to the laws in force in the country utilization.

After the disassembly of rubber wheels and of the electrical part, the authorized personnel has to divide the components according to the material they are composed by and the authorized personnel has to dispose of them according to the laws in force in the country of utilization.

Therefore you have to dismantle and make sure that each single part is disposed according to the laws in force in the country of utilization, when the machine is at the end of its lifetime.



- This symbol means that the product refers to the european guideline 2003/96/CE.
- Please inform yourself about your local waste separation system for electric and electronic products.
- Please respect your local rules in force and do not dispose of old products among normal domestic waste. The correct garbage disposal of the product helps to avoid possible negative consequences for environmental's and human health.