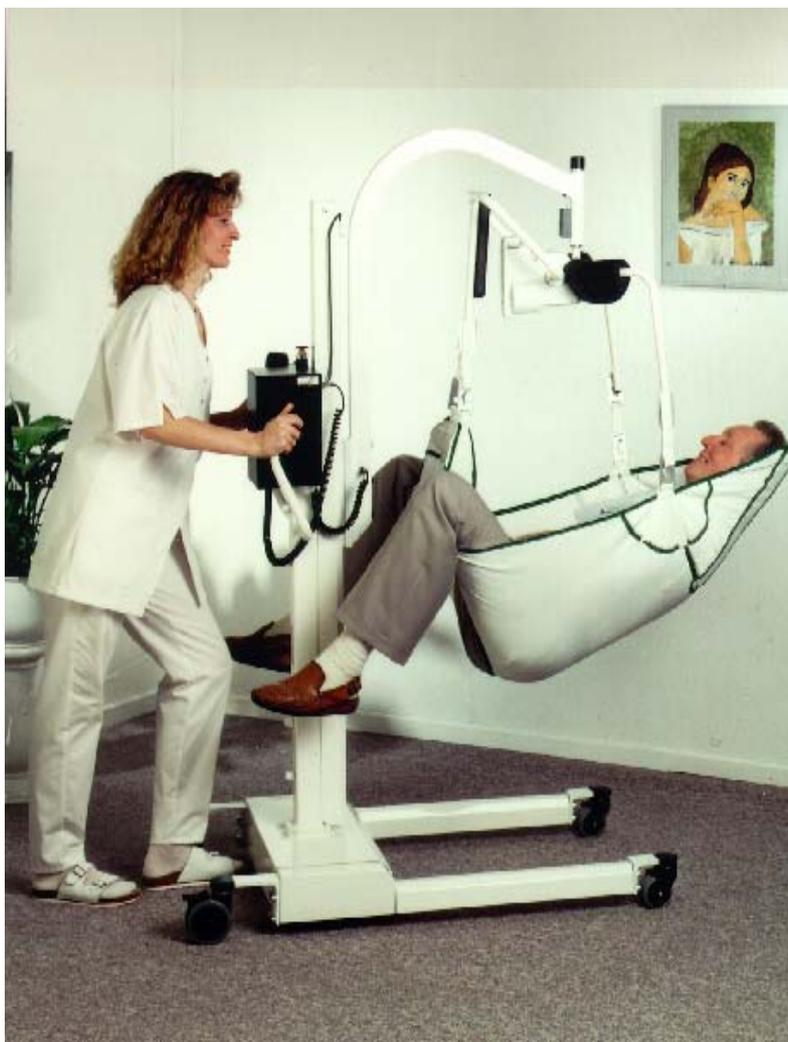


Achieving Greater
Mobility and Independence



LEXA Operating Instruction



Serial No.

HORCHER GmbH - REHA SYSTEME

Dear Customer!

We would like to thank you for your confidence in the Horcher GmbH LIFT System and congratulate you on buying a LEXA LIFT.

EC Declaration of Conformity

Is done in compliance with Annex VII of the Council Directive 93/42/EEG of 14 June 1993 concerning medical devices

We, the Horcher GmbH, Philipp-Reis-Str.3, 61130 Nidderau, declare that the

Patient Lift Series „LEXA“

Serial Number:

is in compliance with the essential Requirements of the Council Directives 93/42/EEG of 14 June 1993 Annex I.

Nidderau, 04/06/1998

Horcher GmbH
Managing Director Willi Horcher
 Stefan Horcher

The „LEXA“ – Patient Lift helps achieving a greater mobility and independence for the handicapped and older people in their daily living activities, especially in hospitals, in private, and Senior Citizens homes.

This manual is for the following Lexa Lift's

LEXA L with manual base adjustment
LEXA L with electric base adjustment
LEXA 600

We are confident that you have in your possession now a LIFT with the highest standards available.

Safety Instruction

Please follow the Safety Instruction mentioned below.

The patient Lift “LEXA” should only be utilized on a hard even and clean floor, (not on stony or uneven surface) the floor has to be clean and free of all obstacles.

A sight check is absolutely necessary and should be done before utilizing the “LEXA” or any other kind of Lift. If you notice any kind of defect do not use the Lift.

Only authorized persons from the Horcher GmbH are allowed to repair the “LEXA” Lift.

Do not use the Lift for long transportation's like up or down hill. Please use a wheelchair.

Great caution has to be taken when driving through tight areas such as door frames.

Before using the “LEXA” Lift please make sure that all the loops /clips are attached and secured and that the sling adjustments have of the same length.

The battery charger is not to be installed in damp areas or close to water faucets.

For cleaning the “LEXA” Lift use a damp clean cloth do not use any strong detergent.

Keep the wheels clear of all dirt such as hair dust or lose thread (lint).

Avoid sudden movements like pushing or shoving. This might cause accidents.

Not handling or using the “LEXA” Lift and sling system other than mentioned in the instructions is prohibited. Ignoring one or more of the safety instructions mentioned above causes you to lose all warranty through Horcher GmbH.

A yearly maintenance service through authorized personnel from the Horcher GmbH is recommended.

Table of contents

1. Where the mobile „LEXA“ Patient Lift can be utilized	5
2. General operating instructions	5
2.1 Utilizing the „LEXA“ - Lift	
2.2 Manual base adjustment	6
2.3 Wheels with breaks	
2.4 Cleaning	
3. Instruction for the electrical hight adjustment	6
3.1 Remote hand control for „LEXA“ with electrical patient positioner	
3.2. Model with electrical drive	
4. Model and Data	6
4.1 Technical Data	
5. Mechanical Emergency relief	8
6. The Sling System	11
6.1 Original - Horcher – Sling System	
6.2 6.2.1 Applying the Sling in a sitting position	
6.2.2 Applying the Sling in a lying position	
6.2.3 Applying the Sling to the legs	
6.3 Attaching the Sling to the Lift	
6.4 Caring for the Sling System	
7. Maintenance of the “LEXA” Lift	12
8. Service- and Warranty and Maintenance Information	12
9. Information about the capacity for the IBS Battery System	12
9.1 Intelligent Battery System „IBS“	
9.2 Battery capacity	
9.3 Information about the loading station	12
10 Additional accessory Scale	14

1. Where the mobile “LEXA” Patient Lifts can be utilized.

Since 1986 the Horcher GmbH has developed the “LEXA” Lift. During that time we have reached a high technical standard for efficiency and reliability. Our systems have been developed extensively for individuals which are either handicapped or with limitations in their mobility.

Serving individuals, families and professionals in private homes, hospitals, rest homes and Senior Citizens resident as well as in a variety of other settings. They are most efficient transfer devices, serving both the care-giver and the caretaker.

This Lift is can be utilized for lifting and moving patients in and out of bed, bathtub, wheel chair and many more varieties.

2. General Instruction

The “LEXA” Lift is delivered to you ready to use. Insert the loaded battery pack by pushing it straight in the receptacle on the back of the Lift. To start the Lift just pull the red button on top of the console up. The big red knob is also the emergency ON / OFF button. When pushing the red button down the electric circuit is interrupted and the Lift stops immediately. Pulling the red button starts the Lift. The black knob on the side of the console moves the patient up or down.



Control lights

Green light	Lift	ready to use
Red light continuous ton	Battery low	needs to be charged.

2.1 Where the “LEXA” Lift can be used.

Important: Each time you utilize the “LEXA” Lift great caution must be taken: The nurse /assistant should watch the patient at all times while the lifting is in process. Only responsible adult person’s should utilize this Lift and only for the purpose of lifting patients with restrained limitation. During the lifting explain the procedure to the patient this will give the patient more security.

2.2 Manuel Base adjustment.

To get as close as possible to the patient you can adjust the base to three different width. After the base is adjusted to your need, the handle can be removed for more freedom of movement.

1	handle to the left	=	base parallel
2	handle to the middle	=	base half open
3	handle to the right	=	base wide open

The wide open base setting is the most stable and safest way to transport the patient.

2.3 Breakes:

Wheel with breakes – Prior to operating the LEXA Lift make sure the rear wheels are locked. To lock the wheels step on the break lever on the hind wheels. Release break by pulling lever up.

2.4 Cleaning

It is sufficient to clean the Lexa Lift Lift with a damp cloth.

** Please check wheels for any type of hair, dust, lose thread (or lint) **.

3. Instructions for using your electric Lexa Lift with remote control and the motorized patient positioning.

“UP / DOWN”,

Press the top left button to lift and the top right button to lower patient.

Positioning: Second row of buttons; Press the left button to raise leg straps and recline patient. Right button to lower leg straps to bring the patient is in a sitting position.

3.1 Model with motorized base:

Parallel Base adjustment: An optional 3rd row of buttons opens and closes the motorized base. Parallel base adjustment makes it possible to approach a variety of furniture, wheelchair, bed, or comode.

4. Model and Data:

All “Lexa L” Models can be bought with the following equipment

- Manual patient positioning
- Motorized patient positioning
- Swivel bar

“Lexa” – 600 - Swivel bar

“Lexa L” With motorized patient positioning

Lift with battery powered patent patient positioning.

Patient can be moved from a sitting to a lying position and vice versa.



“Lexa L” With additional electronic base adjustment

The same as mentioned above but in addition this model has an electronic base adjustment. For easier use in tight areas such as wheelchair, bathtub or Operating tables.

4.1 Technical Data :

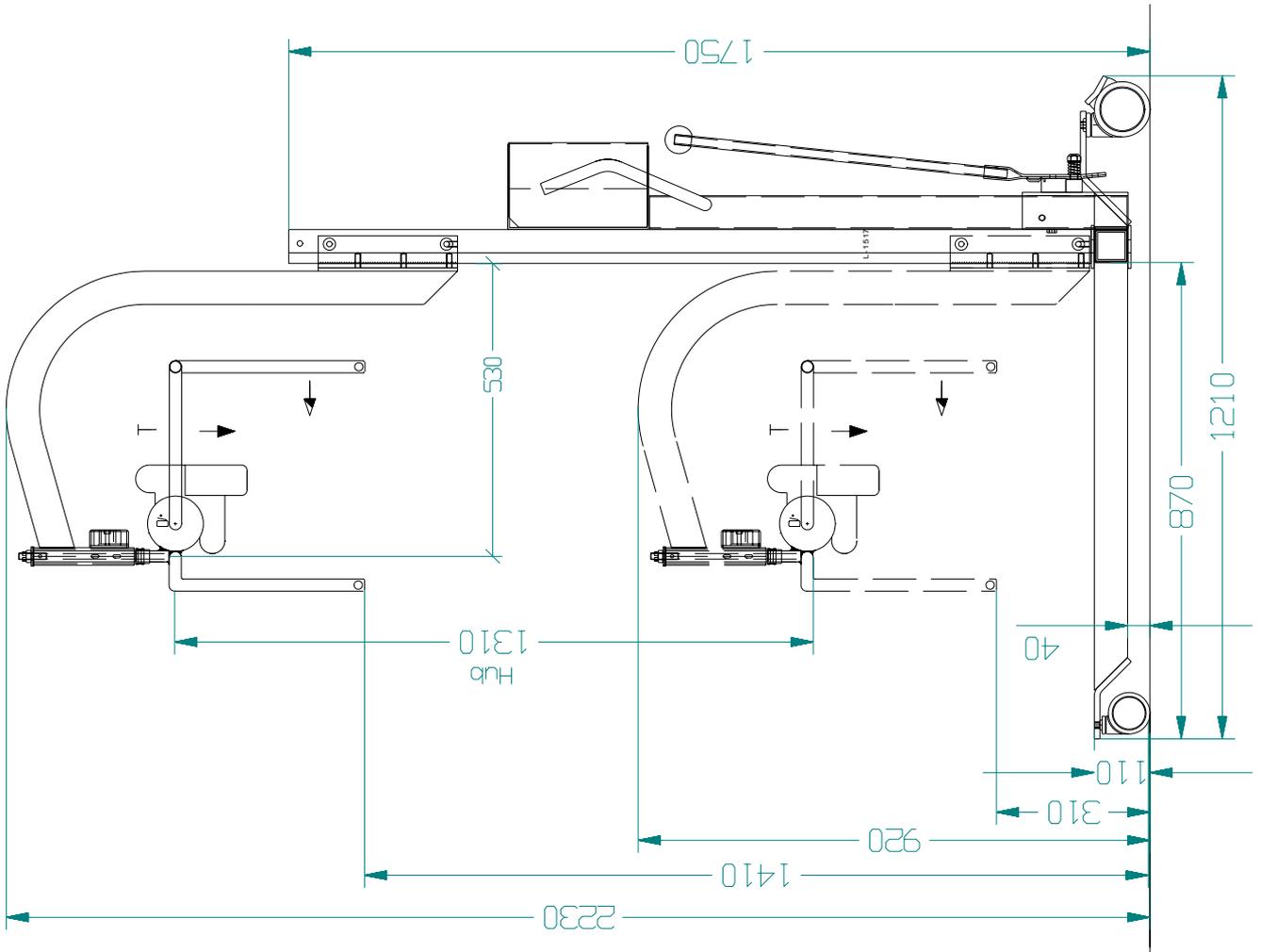
	LEXA	LEXA“ 600
Chassis length with castor rollers	1210 mm	1210 mm
Mobility of the chassis	43 mm	43 mm
Mast height	1750 mm	1750 mm
Total height with mast turned out	2230 mm	2230 mm
Turning range	ca. 665 mm	ca. 695 mm
Weight	50 kg	55 kg
Max. Patients weight	160 kg	250 kg
Max. Base width fully spread	1030 mm	1050 mm
Electrical Supply	24 V	24 V
Battery capacity:	24 V / 2,7 Ah	24 V / 2,7 Ah
Battery charger: Mentzer Series 100	220 V / 24 V / 1 A	220 V / 24 V / 1 A
Electrical Fuse for charger	Type G. 124-1 Type IP20 T 35/E T 0,315 A	Type G. 124-1 Type IP20 T 35/E T 0,315 A
Fuse for Lift	5 A	5 A

5. Mechanical Emergency Relief:

The mechanical emergency relief helps to let patients down in case of electrical failure. How to operate the mechanical emergency relief:

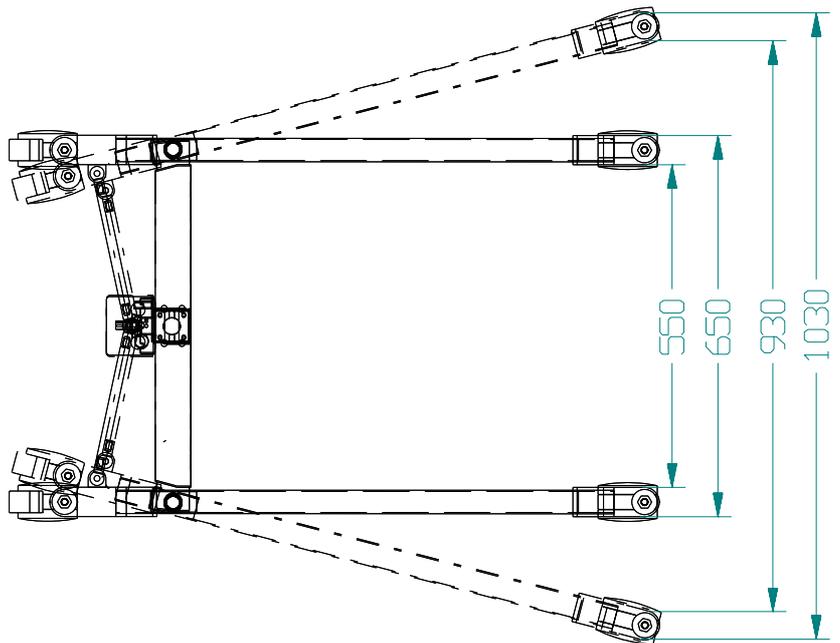
Remove the black cap on top of the control box push a screwdriver in the hole and turn the screw slowly to the left this will let you lower the patient slowly and get him down unharmed.

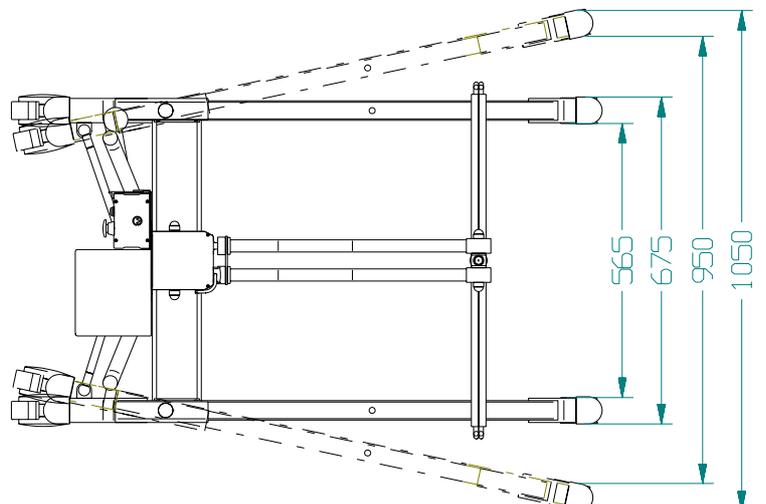
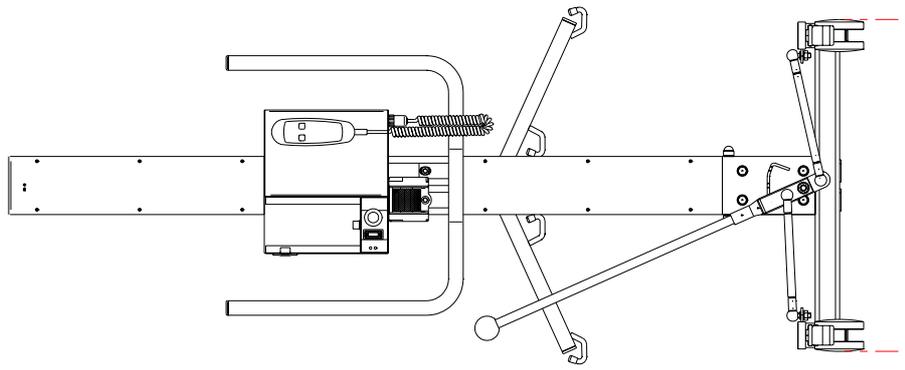
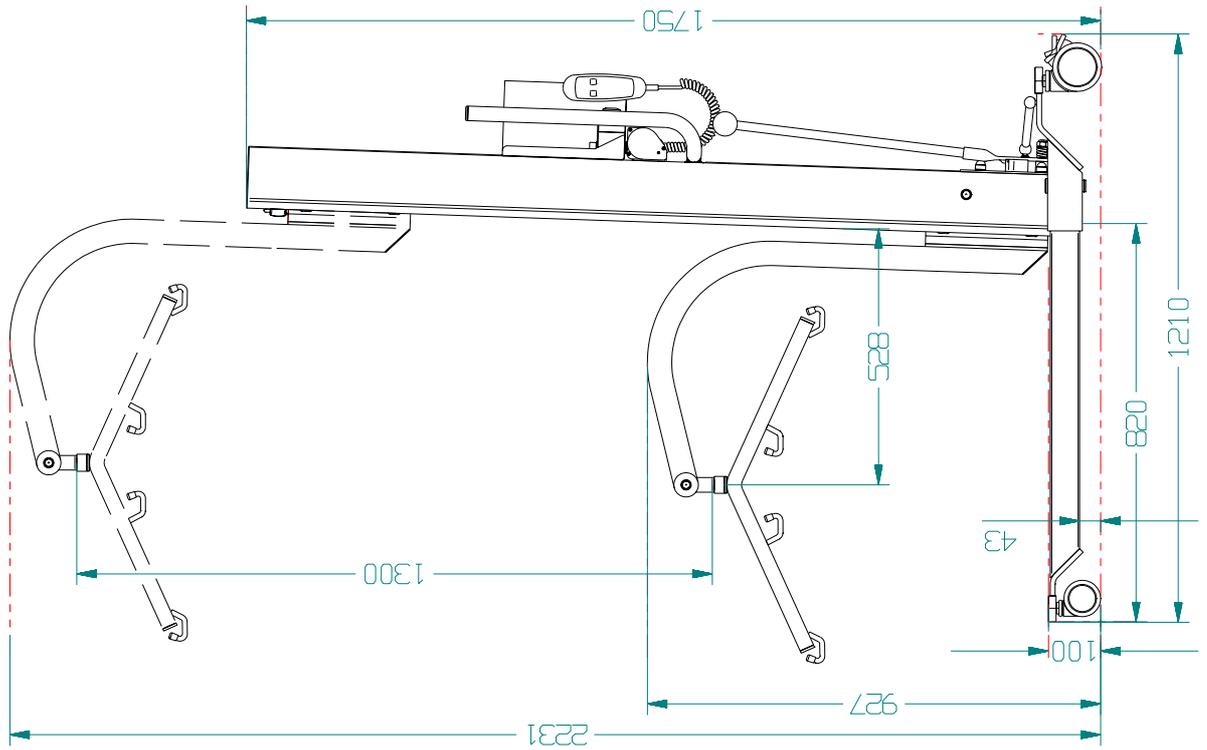




LEXA

mit elektr. Sitz-/Liegebügel





LEXA 600

6. The Sling - System

These original Horcher – Slings can be utilized with the Lexa Lift.
UCG, UCTG

6.1 Original - Horcher – Sling-system

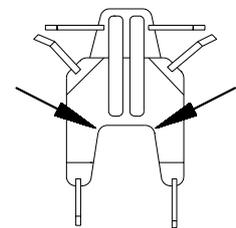


The sling can be applied in either a sitting or reclined position. The sling UCTG with the head support is for patients who are not able to hold up their head on their own. The head support stays are made out of plastic and can be removed easily for washing.

6.2 Applying the sling

6.2.1 Applying the sling in a sitting position

The nurse stands behind the patient's back, and takes the sling (see drawing) starting at the shoulders and working down the patients back, past the hips to the surface of the seat. The sling should be pushed down behind the back as far as possible. The top portion of the sling should end at the shoulders or the head depending on the sling you are using. Push the sling all the way down to the seat for a more comfortable fit, now take the straps for the legs and turn them from the outside to the inner thigh and move them as high as possible.



6.2.2 Applying the sling in a lying position:

Position the sling under the patient who is lying down, using the same way as mentioned above by lifting the upper body up enough if that is possible to slide the sling behind the back. If this is not possible the patient can be "log rolled" onto his or her side. The sling can be fan folded and placed behind the patient's back. Roll the patient back onto the sling and the fan folded part can be pulled through to the other side.

6.2.3 Applying the sling on the patients leg's:

The sling on the bottom of the leg's are wrapped around and under between each of the patient's leg's, the leg straps should be applied as high and straight as possible and pulled closely up to the body. For patient's comfort and proper positioning. Another variation for applying the leg straps is to pull both straps under both legs and attach the straps to the outside points on the spreader bar. This holds the legs together rather than opening them.

6.3 Attaching the sling to the Lift:

The sling is attached to the swivel bar by the four lops.

Attention: All lops must be attached to the Lift prior to lifting the patient.

There are four lops on the UCG sling two straps on the top of the sling; one on each side of the patient's shoulder's and one the bottom on each side of the patients leg's. The slings can be attached to the spreader bar in two different way's. Attachment: The strap loops have a choice of three different lengths

short, medium and long lops. Choice of straps dependent's on the patient's condition. Care must be taken to choose straps of equal lengths for the top pair and equal lengths for the bottom pair, or the patient will be positioned unevenly in the sling when being lifted.

Notice: Long adjustment for lying position shorter loops sitting position.

Attention: Before utilizing the Lift it is important that you check that all loops have the same lengths and that all loops are attached to the bar.

6.4 Sling Care.

Remove head support stays before washing. The Sling may be machine washed, using normal cycle, warm water, and tried on low temperature settings.

The sling should be inspected frequently for any unusual tear and wear, including the straps and where they are attached to the sling. The sling should be replaced without hesitation in the event of accidental tearing or cutting and don't **never ever** repair the Sling yourself.

We recommended that the Sling and the Primary Lifting Strap should be replaced every 12 month, regardless of evidence of wear.

7. Maintenance for the Lexa Lift

Check the sling and the primary strap frequently for any kind of deficiency. The primary strap should always run straight up and down.

Please regard that the Lexa Lift should be serviced once a year through an authorized technician from the Horcher GmbH to ensure the high safety standards. We recommend that you should purchase a service contract for the yearly maintenance of your Lift. Independent of the service contract we recommend that you replace the primary strap and the sling once a year.

7. SERVICE WARRANTY AND MAINTENANCE INFORMATION

All mechanical and electrical components of the Horcher GmbH "Diana" lift, excluding, primary strap and sling, have a limited **two year** warranty from the date of the original purchase and delivery, providing such defect is the result of poor craftsmanship or inherent defect in component material and not the result of improper use or handling.

Please send the filled out warranty card back to the Horcher GmbH.

This will speed up any questions you may have or problems that might arise with your Lift during the warranty period. Thank you!!

Horcher GmbH, Philipp-Reis-Str. 3, 61130 Nidderrau 1

6. The new Intelligent Battery System

The battery is charged before delivery.

Your Lift has been equipped with this new battery system. The battery is charged before delivery.

We the Horcher GmbH have developed this new IBS Battery System for rechargeable batteries the integrated regulated memory chip safes the battery from beeing handled the wrong way.

When not in use, the IBS battery shuts of automatically after three minutes, to safe energy and no damage occurs to the battery.

Reminds the user when battery is low through an interval tune.

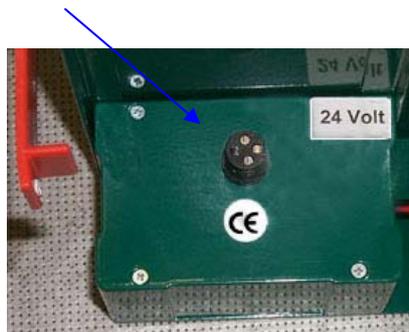
If the user disregards this message then a continuance tune will remind him that the battery is low and need's to be recharged.

8.2 The battery capacity

This battery has a capacity of 2,7 Ah. When lifting you need approximately 3.6 A. The approximate lifting capacity of this battery is about 0.75 hours by lifting 160 kg /lbs. You can use this battery about 90 times at a lifting time of 0,5 minutes with a weight of 160 kg/lbs. If the patients weighs less then the battery has a longer using time.

8.3 Battery charger

Plug battery into charging station, make sure the charging station is plugged in to



the wall outlet. Charger light will glow brightly while being charged. Your battery is totally charged when the control light goes out.

The wall mounted battery charger should only be installed in try areas and close to an electrical outlet. Make sure the battery charger is not installed close to a water faucet or in a damp area.

10 Additional Accessories Scale

Direction for using the personnel scale Model Number 1180 (Lexa)

1. Take the sling you have in daily use and attache to the spreader bar.
2. Push the Zero button on the scale once the light will blink for about five seconds the scale will be calibrated, you will notice that on the right side of the display. On the left side of the display you will see the weight unit in either Kg stands for Kilogram and lbs. which stands for American pounds.
3. To change form Kg/lbs. push the Kg/ lbs. button and it will change. The scale will memorize the change.
4. Remove the sling and apply to the person you like to weigh.

5. Attach the sling correctly on the spreader bar again and lift the patient free of any obstacles.
6. Reduce the swinging to a minimum push the green weigh button once.
7. Read the weight on the display of the scale and check that you have the correct setting either for Kg or Lbs.
8. The scale Model 1180 shuts off automatically after 60 Seconds.
To activate the scale again, just push the weigh button.

For the following weighing just repeat point four, always use the same sling.
You only have to repeat point 1-3 if you changed the sling.
Point 3 only if you want to change from Kg to lbs. or vice versa.

Technical data:

Measuring in Kg or lbs. changeable.

Max. Measuring authorized leverage for the lift.	180,0 kg or 400 lbs. Please regard the
Exact measuring	0,1 %
Scale measurements	approximately 80 X 150 X 80 mm
Electricity supply	9 Volt Battery
Battery capacity	approximately 3000 times
Display	Liquid crystal display

Exchange battery

To exchange battery remove the top portion on the scale using a Phillips screwdriver and remove the four screws turning left.

Caution: Do not apply pressure to the display.

Remove the top on the scale and exchange the battery.

Caution: When inserting battery watch for the polarity.

Assemble in reversed order.

To set scale again start at point one again.



Equipment data

Inventory-No. _____

Equipment _____

Type of Equipment

Factory-No.

Manufacturer/ Importer

Supplier

Year of purchase

A **Inventory-No.** _____

Functional Test

on:

through: _____

Instruction

Responsible _____

<input type="checkbox"/> Date	Manufacturer/ <input type="checkbox"/> Supplier	Name of the person responsible for Instructions	Signature

Essential Addresses:

A) Inform the person responsible in case of problems

Name:

Telephone:

Technical Service:

Name:

Telephone:

Emergency No.:

Name: Horcher GmbH

Telephone: 06187/92040

B) Operating Manual to be found:

C) Accidents with personal injury

Notify:

Telephone:

Notify: Horcher GmbH

Telephone: 06187/92040

Inventory List

Type:	
Serial No:	
Year of purchase:	
Manufacturer:	Horcher GmbH
Factory Id No:	
Side of location	
Prescribed period for the technical safety controls: (see label on the product)	