

Achieving Greater
Mobility and Independence



RAISA Operating Instruction



Serial No.

HORCHER GmbH - REHA SYSTEME

Dear Customer!

We like to thank you for your confidence in buying a Horcher GmbH "RAISA" Lift.

Please read this manual carefully and familiarize yourself with the safety instructions and the handling before utilizing the Lift for the first time.

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 „RAISA“

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

This manual is for the following RAISA Lift's

RAISA	Model with remote control for the knee pads
RAISA Standard	Model with manual control for the knee pads
RAISA Speed	Model with 2 speed for the lifting arm

Safety Instruction

Please follow those safety instructions !

The patient Lift “RAISA” 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 “RAISA” or any other kind of Lift. If you notice any kind of defect do not use the Lift call for service right away.

Only authorized persons form the Horcher GmbH are allowed to repair the Lift.

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

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

Before utilizing the 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.

To clean the “ RAISA ” Lift just use a damp cloth don’t 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.

Ignoring one or more of the safety instructions or improper use of this Lift other than mentioned above could result in personal injuries and will void any Warranties and Guaranties through Horcher GmbH.

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

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1. Where the mobile “RAISA” Floor Model Patient Lift can be utilized.

The Horcher GmbH Lift Systems have been developed over a number of years. During that time we have reached a very high technical standard of efficiency and reliability. Our systems have been developed extensively for individuals which

are either handicapped or with limitations in their mobility. They are the most efficient transfer devices, serving both the care-giver and the caretaker.

The “RAISA” Lift series is a helping device for people who have difficulty standing up or safely move from one place to the next. In hospitals or senior citizens homes this should be done with the help of a physiotherapist and or professional nurse. Please make sure that the patient doesn’t sit on the sling while the lifting is in process.

2. Requirements for preparing the patient and the locality

Caution: Please make sure that the patient is in a appropriate condition for being lifted to a standing position with the “RAISA” Lift. Don’t attempt to raise the patient without him or her understanding the procedure and knowing how to cooperate during the lifting.

3. Patients condition and requirements

The patient should:

still have enough muscle strength left in his legs to bear some of his weight.

understand and cooperate with the lifting.

have enough strength in his arms and shoulders to keep the sling fixed in place.

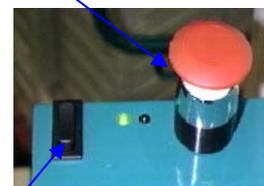
be able to hold on to the handles or keep his hands fixed on his stomach.

Explain the lifting procedures to the patient.

Make certain that the path is clear of all obstacles before moving or transporting the patient.

4. Handling your “RAISA” Lift:

The “RAISA” Lift is delivered to you as ready to use unit. Just insert the battery pack by pushing it straight in the receptacle on the back of the Lift, there are two control lamps on the battery they will let you know when the battery is getting low (red light) when this happens you will hear an



interval ton which tells you that the battery needs to be charged. The green light tells you battery is ready for use. When pulling the big red knob on top of the battery pack the LIFT is ready for use. (The red knob is also the emergency on off button.)

The black knob on the side of the console lifts the patient up or down if don't want to / or cannot use the hand control.

Please read this manual thoroughly and familiarize yourself with the Key operating Controls and Instruction prior to utilizing your new Lift.

4.1 Lifting procedure:

Move the RAISA Lift in the right position in front of the patient. The base can be adjusted to three different width. Just turn the handle on the bottom of the mast. The handle can be removed when the necessary adjustments have been made.

Turning handle

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

4.2 Applying the air tube sling:

Apply the Air tube Sling around the back and under the shoulder blades bringing the ends up under the arms. Hook the clips on to the lifting arm. The amount of air in the air tube is variable and can be adjusted to the patients need. (The air should only be distributed under the arms and not on the back. On the side of the air tube is a valve pump. Be sure there is just enough air is in the tube so that it fits comfortable under the patients arms. Make certain that the valve is always turned to the outside.

4.3 Adjusting the knees pads:

Place the feet of the patient on the foot rest move the Lift as close as possible to the patient until his knee pads are exactly even with patients knees. This should be done before the patient is lifted.

4.4 Remote control for the knee pads:

The top pair of buttons on the remote control are used to adjust the knee pads. (UP/DOWN).

These original Horcher Sling Systems are available and can be utilized with the RAISA Lift

Raisa –Air-tube (mentioned above)

Raisa –Velour sling

Raisa – Sling Vicair

For more information on the Sling system check the Horcher original Sling leaflet

5. Bringing the patient to a standing position.

When starting the lifting procedures hold the air tube with one hand so the sling stays in the right position under the patients shoulder blades and arms. With the other hand start the remote control.

5.1 Handling the remote control.

To lift the patient push the left lower button and patient will raise, pushing the right lower button patient will be lowered.

Should you have in your possession the model „Raisa Speed“ just change the gear on the lifting arm from number one to number two. The patient can be lifted to a standing position now just loosen the breaks on the hind wheels and the patient is ready to be moved where ever he needs to go.



Don't hurt your back; use the Raisa Lift!!!

5.2 Service and Maintenance for the RAISA Lift

Load battery when the red light comes on, or you hear a beeping noise.

Check at regular intervals for any kind of evidence of wear or tear on the sling.

To clean the Lift just wipe with a damp cloth don't use any strong detergent.

Keep the wheels free of any kind of dirt, hair, dust, lose thread or lint.

The „Raisa“ Lift should be serviced at least once a year through authorized technician from the Horcher GmbH.

The sling should be exchanged at least once a year regardless of any wear.

We recommend that you purchase a service contract for the yearly inspection of the Lift.

6. SERVICE WARRANTY AND MAINTENANCE INFORMATION

All mechanical and electrical components of the Horcher GmbH „Raisa 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

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Email-office@horcher.com Internet www.horcher.com

poor craftsmanship or inherent defect in component material and not the result of improper use or handling.

Please fill out the attached warranty card and send it 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**

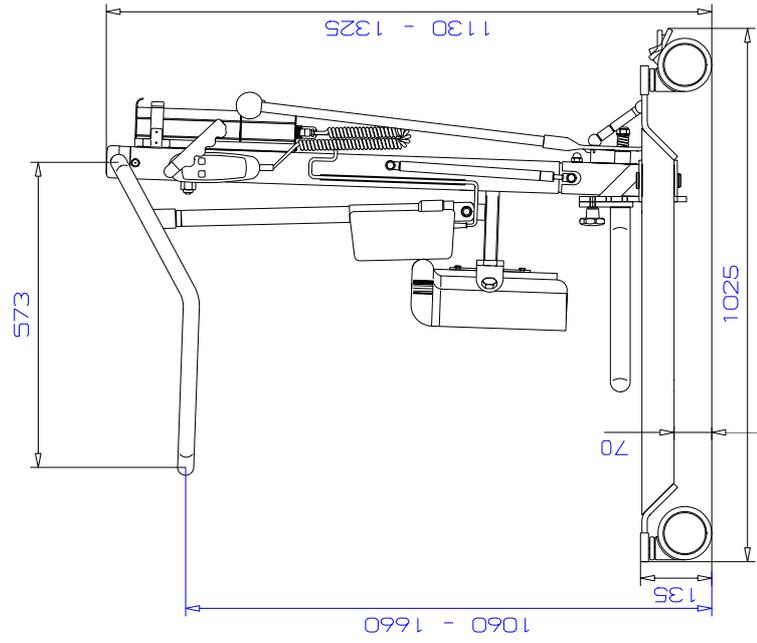
7. Technical Data:

	Raisa - Standard	RAISA – Speed
Battery Voltage:	24 V	36 V
Battery capacity:	24 V / 2,7 Ah	36 V / 2 Ah
Loading station: Mentzer Series 100	220 V / 24 V / 1 A	220 V / 36 V / 0,4 A

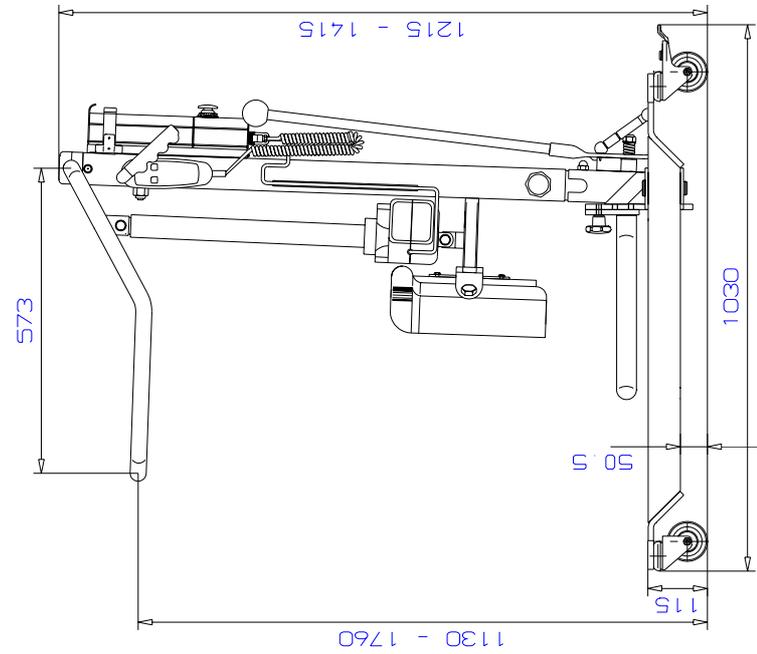
Fuse type for Loading station	Type G. 124-1 Type IP20 T 35/E T 0,315 A	Type IP 20 T 35/E Type G 136- 0,4 A T 0,63 A
Battery fuse	5 A	5 A
Weight	55 kg	55 kg
max. weight on lifting arm:	110 kg	110 kg
max. Patient weight	160 kg	160 kg
Chassis length	1030 mm	1030 mm
Turning radius	550 mm	550 mm

We reserve the right for technical changes and alternations.

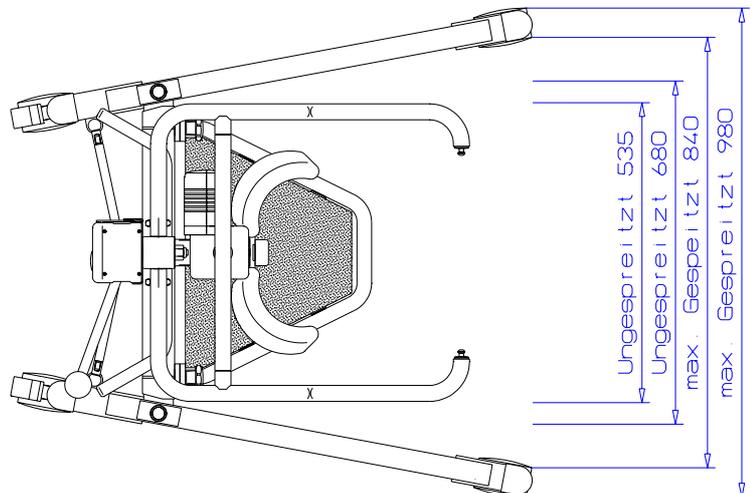
RAISA



RAISA Standard



RAISA
von oben



8. The new Intelligent Battery System

We the Horcher GmbH have developed this new Battery System for rechargeable batteries: The integrated regulated memory chip safes the battery from being handled the wrong way. Your Lift has been equipped with this new battery system.

The battery is charged before delivery.

Turns automatically to sleep modus after three minutes.

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

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

Battery shuts off automatically when voltage is low, so no damage occurs to the battery. When not in use, the IBS battery shuts of automatically after three minutes, safe's energy.

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 into the wall outlet. Charger light will glow brightly green while being charged. Your



battery is totally charged when the control light goes out.

The wall mounted battery charger should only be installed in dry 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.



Equipment data

Inventory-No.

Equipment

Type of Equipment

Factory-No.

Manufacturer/ Importer

Supplier

Year of purchase

Essential Addresses:

A) In case of problems inform the following person

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:	Horchner GmbH
Factory Id No:	
Side of location	
Prescribed period for the technical safety controls: (see attached label on the Lift)	