

# Overhead lift

## ROOMER 5200-NA



Art. no: 50002-NA



The Roomer 5200 offers you a unique possibility of lifting and moving a patient safely and easily from one room to another. The lift has two lift belts. During transferring both belts are connected to the rail which means that the movement can be horizontal. The transfer takes place in one operation which means no unnecessary strain on the patient and the caregiver during lifting and moving.

The Roomer 5200 is intended for lifting and transferring patients e.g. from the bed to the wheelchair, to and from the floor, for walking, standing, for visits to the lavatory and for weighing.



“Caution!” triangles are used to warn of situations that demand extra care and attention

### **IMPORTANT!**

*Lifting and transporting a person always involves a risk. It is important to read the instructions for both the lift and the lifting equipment. Always ensure yourself that the equipment used is working together with the lift. As caregiver you are responsible for the safety of the patient and need to be aware of the patient's ability to manage the lifting situation.*

*Human Care Overhead Lifts are designed to lift and lower patients strictly in a vertical plane, never at a diagonal or angled plane. When lifting a patient, the lift should be positioned directly above the patient. When lowering a patient, the lift should be positioned directly above the surface onto which the patient is being lowered.*

**LIFTING OR LOWERING A PATIENT DIAGONAL OR AT AN ANGLE CAN RESULT IN SERIOUS INJURY TO THE PATIENT OR CAREGIVER.**

*If using the Roomer 5200 lift in a way that is not recommended by Human Care, Human Care will not take any responsibility for injuries or other accidents that may occur. If there are any doubts, please contact the supplier.*

Human Care products are constantly being updated and refined therefore we reserve the right to change aspects without prior notice.

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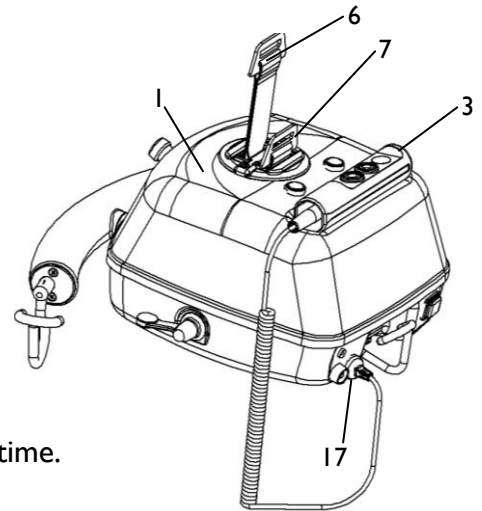


## Safety instructions

### Before first use, ensure that:

- you have read and understood the instructions for the lift and accessories
- the lift is assembled according to the instructions
- the lift accessories are correctly and securely fastened to the lift
- the batteries have been charged for at least 6 hours

1. Check if the rail roller in the track is provided with a distance strap or if the rail roller is equipped with a hook. Recommended minimum height from the floor is 1850 mm
2. Take the lift (1), the charger (2) and the remote control (3) out of the box
3. Tear off the seal from the belt (6) **after** reading the user's manual
4. Connect (17) the remote control (3) to the lift (1)
5. Connect the charger (2) into an easy accessible wall socket
6. Insert the remote control (3) into the charger (2). If the indicator lamp on the charger is lit amber, charge until the indicator turns green



The lift is designed to only lift people and only one at the time.

### Before using, always ensure that:

- personnel using the equipment have received appropriate instructions and training in the use of the lift
- the lift belt is not twisted or worn and that it can move freely in and out of the lift
- lift accessories show no signs of wear or damage
- the correct type, size, material and design of the sling is selected to safely meet the patient's needs
- lift accessories are correctly and securely applied to the patient. The sling's strap loops are properly hooked to the Telescopic bar after the straps have been fully extended, but before the patient is lifted from the underlying surface

Visit [www.humancare.se](http://www.humancare.se) for more information on slings, rail systems and other accessories.



**Important!** To ensure that the lift belt is not damaged, it is important that the lift is balanced when transporting, raising and lowering. Do not hold the lift belt when transporting a patient. Make sure the belt is stretched when it is winding up.



**Warning!** Product modifications are strictly forbidden without approval from manufacturer.

## Technical specification

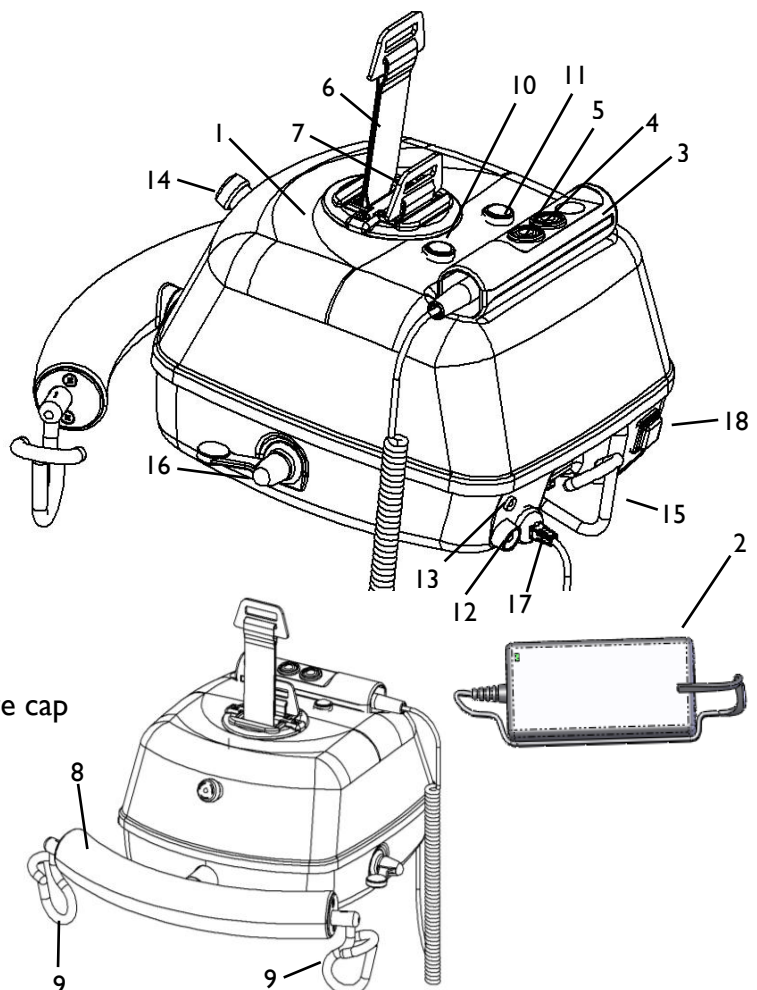
<b>Lifting capacity, max:</b>	220 kg/484 lbs.	<b>Start/stop</b>	soft
<b>Dimensions:</b> (WxHxL)	450x180x420 mm 17.7x7.1x16.5 in.	<b>Weight</b>	13 kg/28.5 lbs/2 st
<b>Emergency lowering:</b>	Electronic/manual	<b>Batteries:</b>	2x12V 3.2Ah
<b>Type:</b>	B	<b>Indicator:</b>	
<b>Class:</b>	Internally powered equipment	<i>Stand by</i>	flashing green
<b>IP class lift:</b>	IPX4	<i>Active</i>	consistent green
<b>IP class remote control:</b>	IP65	<i>Low voltage</i>	flashing RED
<b>Lifting range:</b>	1680 mm/66.1 in.	<i>Error</i>	consistent RED
<b>Sound level:</b>	<65dB (loaded and unloaded)		
<b>Lifting speed:</b>	1.8 m/min / 3.0 m/min (only when unloaded)		
<b>Battery charger:</b>	Input 100-240V AC 50-60 Hz; 1.6A Output 27,8V, 0.8A DC		
<b>IP class battery charger:</b>	IPX0		
<b>ETL:</b>	Yes		

The product is designed for multiple uses.

The Telescopic bar is adjustable in three different widths; 35/45/55 cm (13.8/17.7/21.7 in.)

## Product description

1. Overhead lift Roomer 5200
2. Charger
3. Remote control
4. UP-button (remote control)
5. DOWN-button (remote control)
6. Belt (red side)
7. Belt (grey side)
8. Telescopic bar
9. Hanger bar hook
10. UP-button (on lift)
11. DOWN-button (on lift)
12. Emergency lowering button
13. Indicator lamp
14. Emergency stop
15. Leg hook
16. Lever
17. Connection remote control
18. Main power switch with protective cap



## Intended use

The hoist is designed and tested for normal indoor conditions and have been classified as an IPX4 product.

The climatic conditions should be as follows: an ambient temperature from 0 °C to 50 °C, relative humidity from 30 % to 80 % and air pressure from 790 hPa to 1060 hPa.

## Product label

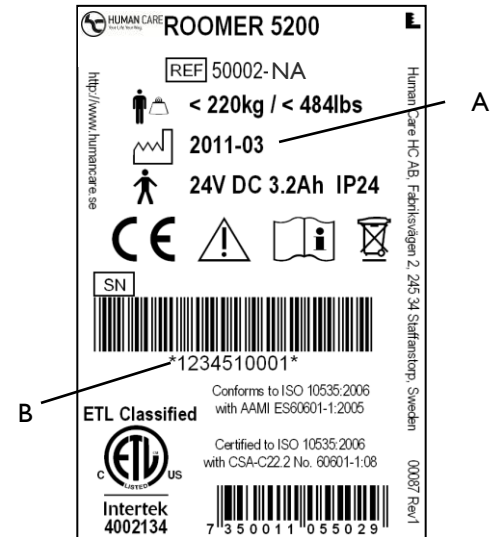
The product label contains information concerning the equipment. The label is placed on the lower cover of the lift.

- A. Date of manufacture
- B. Serial number

Roomer 5200 is tested by an accredited testing institute and complies with the requirements of directives for medical-technical Class I products (MDD 93/42/EEC).

The lift is CE-marked and complies with the requirements according to EN 10535, EN 60601-1 (Electrical safety) and EN 60601-1-2 (EMC).

Radio transmitters, cell phones etc shall not be used in close connection to the unit since that could affect the products performance. Special attention is required when operated together with high noise sources like diathermy or similar. E.g. diathermy cables should not be placed near or on the hoist. If in doubt please contact responsible person for the equipment or the supplier.



## Symbols on the unit

- CE-mark
- Date of manufacturing
- Manufacturer
- Maximum load
- Read and understand the manual before using the product.
- Product reference number / part number
- Product Serial number
- Warning
- Contains lead acid batteries and electric components that must be recycled according to local regulations
- Third party certification logo (Not applicable for all regions and or versions)
- Type B product
- Power OFF/ Power ON

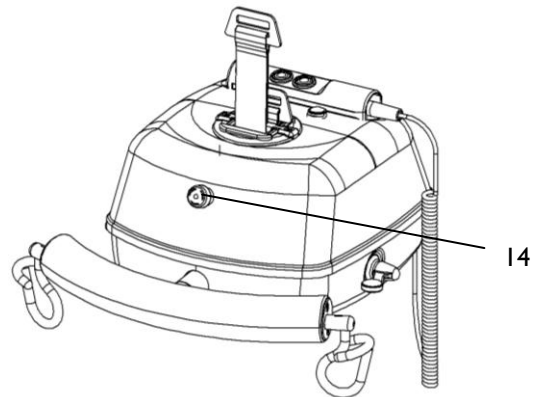
## Operation



### Emergency stop

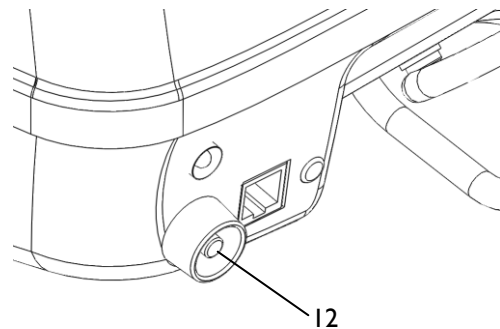
In case of an emergency: press the RED emergency STOP button (14).

To restore, turn the RED button clock-wise.



### Emergency lowering

In case of an emergency the emergency lowering button (12) is to be pressed. A signal will sound and the lift will lower. Always ensure that emergency lowering is performed in a way that is safe for the patient. The emergency lowering button does only work if the main power switch (18) is ON and if the emergency stop (14) is not activated.



### **NOTE! The emergency lowering is only to be used in an emergency situation.**

If the main power switch (18) is OFF or the emergency stop (14) is activated, the lift will sink slowly and safely when loaded (manual emergency lowering).



### Safety catch

The lift is equipped with a safety catch. This means that the lift is prevented from involuntary drops. When pulling out the belt too fast, the safety catch will be engaged. Release the safety catch by letting the belt go back to the lift.

**In a locked position, the lever (16) must never be turned since this will block the lowering function.**



### Overheating protection

The Roomer lift is equipped with overheating protection that will stop the motor if it has become too warm. Overheating might occur if the lift is loaded with more weight than specified or is run continuously during a longer period of time. If the lift is overheated let it rest for a while before next use.

The lift's cycle time (work:pause ratio) is 15:85. If the cycle time is exceeded continuously the motor will risk overheating.

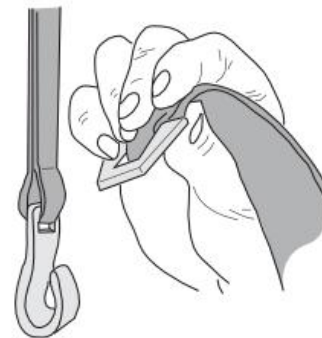
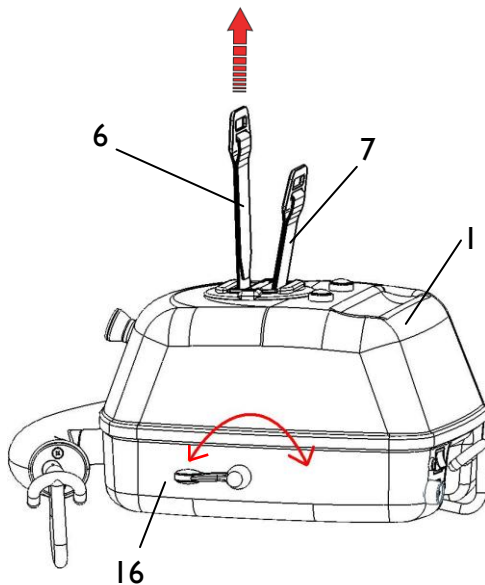


### Connecting the lift to the rail

Place the lift (1) on a suitable surface. Turn lever (16) to grey position and pull (do not snatch) the belt (6) out up to the hook on the distance strap and attach from an upward position.

Turn lever (16) to red position, the belt (6) is now connected. Use the main power switch (18) to power up the lift. The lift is now ready to use.

The color indication on the lever (16) corresponds with the plastic parts found where the belts (6, 7) come out of the lift (1).

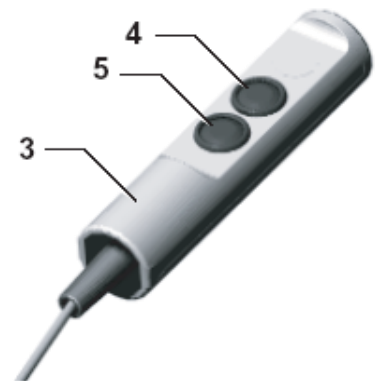


### Remote control functions

The remote control (3) has an UP-button (4) and a DOWN-button (5). When the lift is loaded with less than approximately 40 kg (88 lbs) the lift is able to run at two speeds. If the buttons are pressed lightly the lift will run at a low speed. If the buttons are pressed hard the lift will run at a higher speed.

The force needed to activate the buttons is 4.4N.

**If the lift is loaded with more than approximately 40 kg (88 lbs) the lift will only run at the lower speed.**



## Charger (2)

When the battery level is low, the indicator (13) on the lift will flash with a RED light. Put the charger cable in the remote control (3) and the charging will begin.

The lift should only be used with a Human Care recommended charger, article number 50880.

- Charge regularly, preferably every night.
- When using the lift, the charger must be disconnected.
- The lift is charged whether the main power switch (18) is ON or OFF.



**If the lift is equipped with an emergency stop button, check that it is not activated during charging.**



**See separate manual for the charger.**

### Indicator lamp

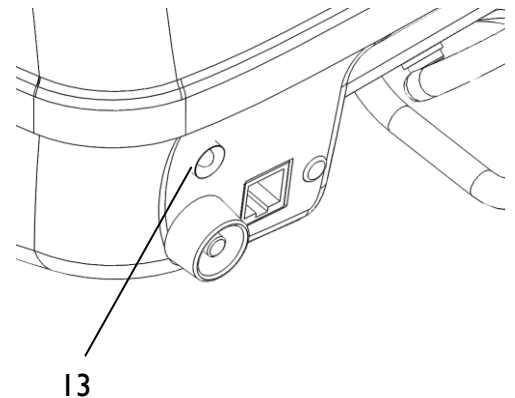
The indicator lamp (13) has four indication modes and will only work if the main power switch (18) is ON.

**Flashing green** - the lift is ON and ready to use

**Consistent green** - the lift is engaged or loaded

**Flashing red** - the lift need to be charged

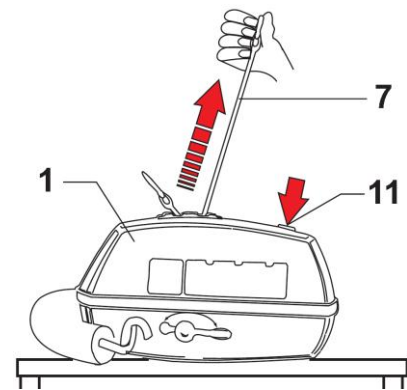
**Consistent red** - the lift is blocked and shows an error (see troubleshooting)





## Belt tension guard

The lift is equipped with a belt tension guard that prevents unintentional discharging of the belt. To be able to pull the belt out, the lift must be loaded. This means that when the lift (1) is lowered to a surface the belt (7) must be pulled out at the same time as the DOWN-button (11) is pressed. The purpose of this maneuver is to pull out the belt enough to be able to hook the lift off or onto the rail hook.



## To use the lift

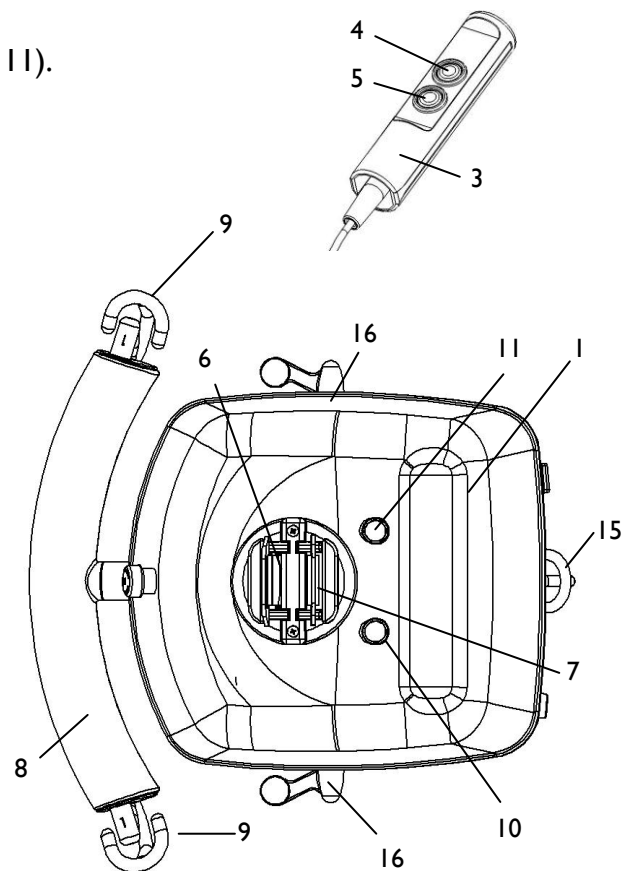
When you want to lift the patient, press the UP-button (4, 10). When you want to lower the patient press the DOWN-button (5, 11). When the button is pressed the lift will start softly and when you release the button the lift will stop softly. When the lever (16) shows grey knob, the belt (7) is engaged. When the lever (16) shows red knob, the belt (6) is engaged.



**The lever (16) shall always point to the belt the lift is to hang in! When the lift (1) is hanging in one of the belts and the lever (16) is turned to the "free" belt, the unloaded belt will be disengaged if you lift the lift up. In that case turn back the lever (16) immediately to the engaged belt to avoid inadvertent disengagement.**

If the buttons do not work, check the emergency stop and release if activated.

**NOTE!** At two-point suspension the lever should be in the "gray" position and the corresponding belt (7) should be used.



## Telescopic bar

Set the Telescopic bar™ (8) in the prescribed position. Ensure that the hooks (9) are in the same position on both sides. Place the patient in the selected sling according to the sling instructions and hang the sling in the hooks (9, 15). Check that the sling is properly anchored in the hooks (9, 15).

The hooks (9) have three adjustable positions. To change position turn the hooks 1/4 turn at the same time as they are pulled out or in to a suitable position. The hooks (9) will automatically fall into place in their positions, it is therefore necessary to repeat the 1/4 turn when passing the middle position (position 2), see fig. B.

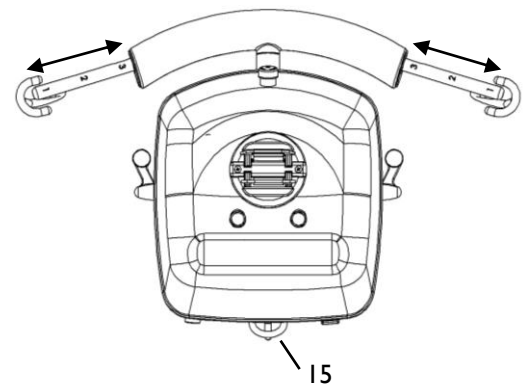
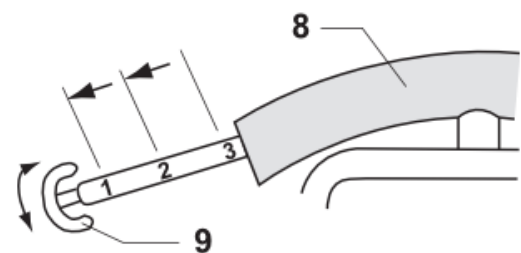


Fig. B

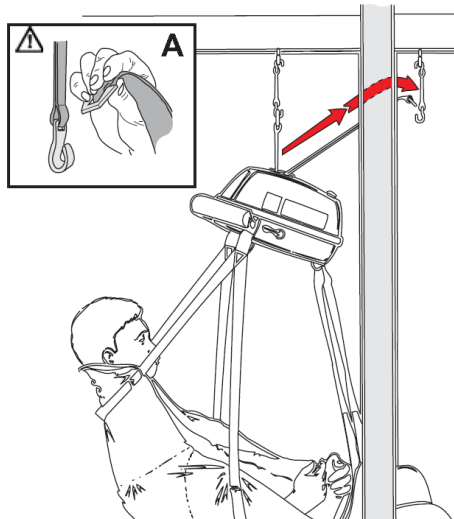




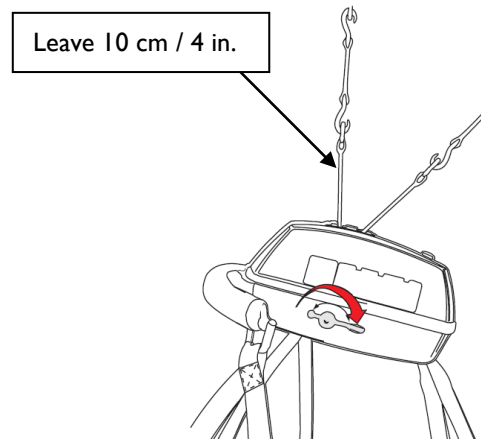
## Room to room transfer

The lift provides unique means of lifting and moving a patient from one room to another. The transfer is performed horizontally in a way that is comfortable for the patient. This method does not require any construction changes, such as making holes in or above doors etc.

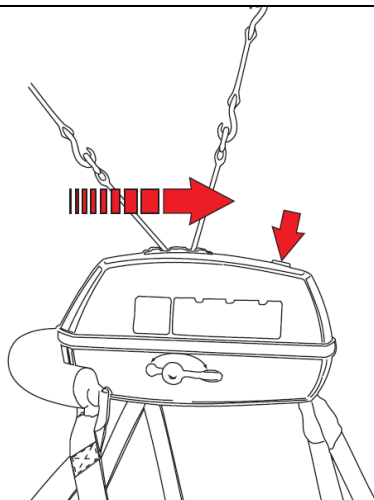
**Important!** To ensure that the lift belt will not be damaged, it is important that the lift is balanced when transporting, raising and lowering. Also do not hold the lift belt when transporting a patient. Make sure the belt is stretched when it is winding up.



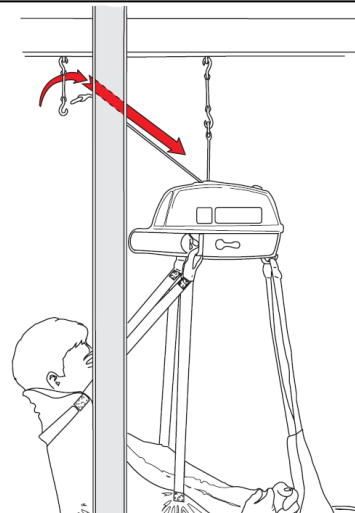
**1.** Move the patient to the door opening. Raise the lift until 10 cm from the hook. Pull the free belt out and hook it from above (A) on to the distance strap in the other room.



**2.** Turn the lever to the direction the patient is to be moved in. In this situation both belts are engaged.



**3.** Press the UP-button (4 or 10) and keep it pressed to perform the transfer to the other room. The transfer is finished when the belt is released in the room you came from.



**4.** Un-hook the released belt. Hold the belt which now will start to wind up itself into the lift. This procedure can also be actuated between two rail systems without rail connection.

The decal on the side of the lift show how the transfer is performed.

## Definitions

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- (A) is the overall height of the system**  
The distance from the ceiling down to the Telescopic bar (depending on rail solution)

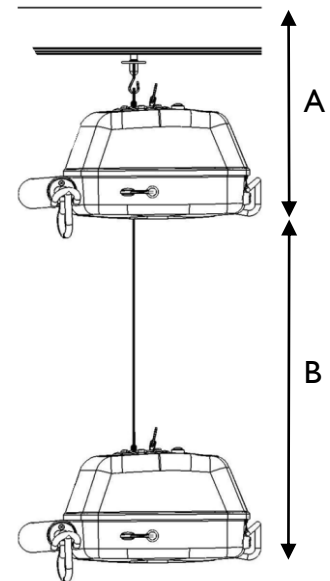
A = 390-470 mm/15.4-18.5 in.

- (B) is the lifting interval**  
The difference between lifts highest and lowest position (i.e. belt length). As accessory there are distance straps to adjust the length of the belt.

B = 1680 mm/66.1 in.

### Lifting cycle

Lift movement consisting of an upwards movement of 420 mm (16.5 in) and a downwards movement of 420 mm (16.5 in).



## Troubleshooting

(See page three for number description)

Description	Indicator lamp (13)	Action
Nothing happens when the UP-buttons (4 or 10) or DOWN-buttons (5 or 11) are pressed.	Not lit	1) Make sure the main power switch (18) is ON. 2) Batteries are totally discharged. Charge the lift (1) immediately 3) The emergency stop (14) is activated. Release by turning the red button clock-wise.
Nothing happens when the UP-button (4) or DOWN-button (5) on the remote control (3) are pressed.	Flashing green Flashing red	Check that the remote control (3) is connected to the lift (1).
Nothing happens when the UP-buttons (4 or 10) or DOWN-button (5 or 11) are pressed.	Consistent red	1) Charging in progress. Interrupt charging. 2) The lift motor is overheated, wait for a while and try again. 3) The lift (1) is overloaded. Lower the lift using the emergency lowering button (12).
The lift (1) is moving the opposite way when the UP-buttons (4 or 10) or DOWN-buttons (5 or 11) are pressed.	Flashing green Consistent green Flashing red	The lever (16) is turned to the wrong direction. Turn the lever over to the engaged belt.
Nothing happens when the UP-buttons (4 or 10) are pressed.	Flashing green Flashing red	The lift is in its maximum upper position. Press the DOWN-button (5 or 11) to lower the lift.
Nothing happens when the DOWN-buttons (5 or 11) are pressed.	Flashing green Flashing red	The lift is in its lowest position. Press the UP-buttons (4 or 10) to raise the lift.
Nothing happens when the UP-buttons (4 or 10) or DOWN-button (5 or 11) are pressed.	Flashing green Flashing red	The emergency stop (14) is activated. Release by turning the red button clock-wise.
The belt (6, 7) is not fed out when the lift (1) is placed on a surface	Flashing green Consistent green Flashing red	Pull the belt (6 or 7) while pressing the DOWN-buttons (5 or 11).
Indicator lamp (13) turns from green to flashing red.	Flashing red	The batteries need to be charged, but it is still possible to use the lift a couple of times. The lift (1) should be charged as soon as possible.



## Inspection, care and maintenance

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### Care of the lift cassette

- The cassette should be recharged every night.
- When necessary the cassette can be cleansed with a damp cloth with dishwashing liquid.
- Do NOT use any strong detergents.
- If disinfecting the product DuPont™ Virkon® is to be used.
- Never flush the cassette with water or other liquids.
- During transport the lever (16) should always be in neutral position, straight up. The main power switch (18) should be OFF.
- If the lift is not to be used for some time set the main power switch (18) to OFF or activate the emergency stop (14).

### Annual inspection

The lift should be inspected **at least once a year** by Human Care authorized personnel. Pay particular attention to parts that show wear. Installation, service and maintenance are to be performed by Human Care authorized personnel using original spare parts.

#### Daily inspections

- Check all parts of the sling before use. Loose seams and other signs of wear on lift belts, belts and fabric should not exist. Change the sling in that case.
- Check the lift cassette for any sign of visible damage

#### Monthly inspections

- Feed out the lift belts (6, 7) as far as possible to check for visible damage. If the belt is damaged, contact your supplier.

### Service agreements

Human Care invites you to sign a service agreement for regular maintenance and testing.

### Transportation and storage

During transport, or when the lift is not to be used for some time, the main power switch (18) shall be OFF or the emergency stop (14) activated, or the battery will discharge.

The climatic conditions should be as follows, an ambient temperature from 0 °C to 50 °C, relative humidity from 30 % to 80 % and air pressure from 790 hPa to 1060 hPa.

### Expected lifetime

The lifetime can be described in two ways. The lift is guaranteed to function for 11 000 lifting cycles with maximum load or for 10 years with correct service and maintenance intervals, whichever comes first.

### Recycling

Rejected lifts can be returned to Human Care for recycling. **NOTE!** The lift contains batteries and electronic components and should be recycled accordingly (WEEE 2002/96/EC). For information concerning accessories and technical documentation we refer to our homepage ([www.humancare.se](http://www.humancare.se)).

## Slings and accessories



If the maximum weight on any of the accessories such as sling, lift bar and other accessories are **NOT** the same as the lift, the lower maximum weight of those listed on each product shall always be used. Always check the label on the lift and lifting accessories or contact **Humane Care** when uncertain.

### Slings

The Human Care sling assortment is wide and is dependent upon the patient's needs. Please visit [www.humancare.se](http://www.humancare.se) for more information in the current sling assortment.

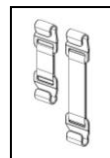
#### 50348 Scale

Patient scale that can be used together with all Human Care lift products. Max load 320 kg/700 lbs



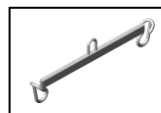
#### 20124 Distance strap

Several different lengths to adjust the belt connection height to a comfortable height are available.



#### 50268 four point suspension bar

Can be used together with all Human Care lifts



#### 50700 Stretcher

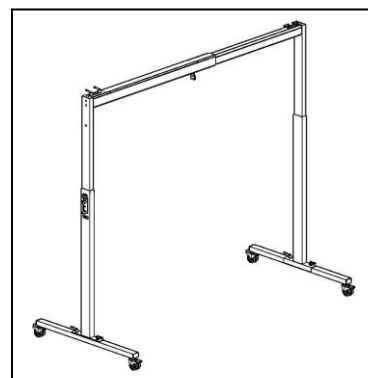
The most lightweight and portable stretcher, with a 200 kg/440 lbs capacity, in the hospital and homecare market.

The stretcher can be assembled by one person without using any tools



#### 50600 Portable Freestand Niklas

The Freestand is adjustable in both height- and width. You can adjust the height up to 2450 mm / 97 in without using any tools. This makes it the most portable Freestand product in the hospital- and homecare market. The Portable Freestand Niklas is used for lifting and moving patients e.g. from a bed, wheelchair, bath/shower and from the floor. The Freestand can be assembled by one person and without using any tools. Max capacity is 220 kg/484 lbs.



**DO NOT MAKE A ROOM-TO-ROOM TRANSFER WITH THE NIKLAS!**

#### 50346 Cart

Portability can be further enhanced with our cart.

The cart is specially produced for the Roomer 5200 and Singel 5100 lifts, but is also suitable for previous generations of Human Care lifts.





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