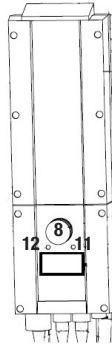


MiniLift200

SystemRoMedic™



Safe working load:
200 kg/441 lbs

1. Lift arm
2. Hooks for lift vest/sling
3. Handset
4. Leg support
5. Footplate
6. Rear castor wheels with brakes
7. Battery
8. Emergency stop
9. Adjustment of leg support
10. Manual emergency lowering
11. Electrical emergency lowering
12. Charging lamp
13. Front castor wheels
14. Locking mechanism for adjustment of lift arm

MiniLift200 is a mobile sit-to-stand lift for people with impaired mobility. In combination with the right accessories, it is designed to assist a patient comfortably and conveniently to a standing position. It provides support under the feet, against the shins and behind the back. MiniLift200 is appropriate for patients who have a degree of stability while standing. MiniLift200 helps to train the patient's leg muscles and sense of balance.

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Functional inspection

Visual inspection

Inspect lift functions regularly. Check to ensure that material is free from damage.

Before use:

Ensure that the product is correctly assembled.

Check slingbar connection and safety latch function.

Check lift and base-width movement.

Check to ensure that the actuator is correctly installed.



Always read the manual

Always read the manuals for all assistive devices used during a transfer.

Keep the manual where it is accessible to users of the product.

The lift may only be used by persons who have received instruction in the operation of the lift.

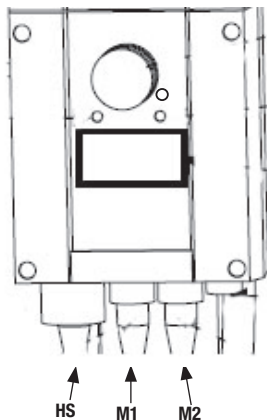
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Assembly of MiniLift200

Check to ensure that all components are included:

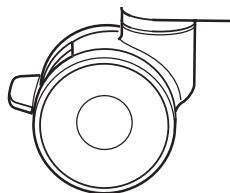
Lift unit, control box and battery pack, undercarriage and base-width adjustment motor, footplate, leg support, handset and cord, manual and charger.



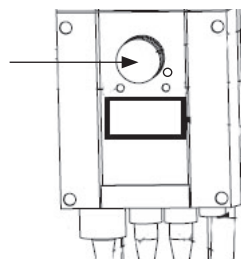
Connect cables: Handset cord in HS, cable to lift unit on mast in outlet M1, and cable to base-width motor in outlet M2.

Final inspection

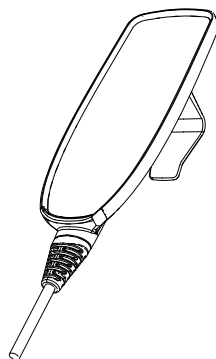
Check to ensure that no parts have been left in the packaging.
Inspect the lift for signs of wear and damage.
Check all four castor wheels and castor wheel locks.
Check all connections and fixtures including screws and bolts.



Check the emergency stop function by depressing the emergency stop, and then pressing either the up or down button. If nothing happens when the up or down buttons are pressed, the emergency stop is functioning properly.



Grasp the handset, press the up button and run the lift arm all the way up. Then, press the down button and run the lift arm all the way down.
Test base-width adjustment function. Press the button for base-width adjustment to widen the base fully, and then press the other button to narrow the base again.



Test lift function by lifting a person (not a patient) using an approved sling. At the same time, check the emergency lowering function with someone on the lift. See section on Emergency lowering.

If the lift is functioning correctly, connect the charger and check to ensure that the charging lamp on the control box lights up.

NOTE!


Before the lift is used for the first time, it must be charged for at least 4 hours. See section on charging batteries.

Keep the manual where it is accessible to users of the product.

Using the product



Important Information

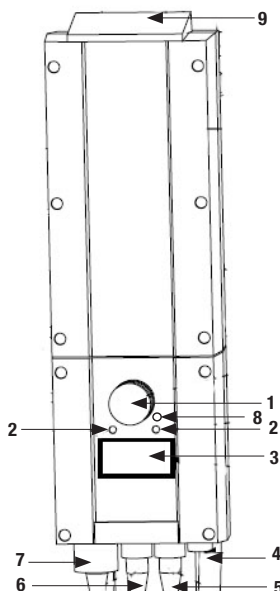
- The lift must be assembled according to the assembly instructions provided with the lift.
- The lift may only be used indoors and on a level floor.
- Lifting accessories must be properly trial fitted and tested in relation to the patient's needs and functional ability.
- Do not leave the patient unattended during a transfer situation.
- Under no circumstances may max. load be exceeded. See section on Safe working load.
- Never move the lift by pulling on the actuator! 
- The lift must not come in direct contact with water.
- The lift must not be charged in a wet room.
- To ensure optimal function, the lift must be inspected regularly. See section on Maintenance.
- Warranty applies only if repairs or alterations are done by an authorized technician.

Safe working load

Different products on the same lift system (lift unit, slingbar, sling, scales and other lifting accessories) may have different allowable safe working loads. The lowest allowable safe working load always determines the safe working load of the assembled system. Always check the safe working loads for the lift and accessories before use. Contact your dealer if you have any questions.

The control box and battery have the following features

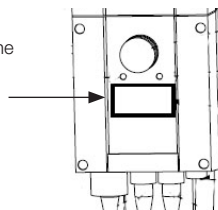
1. Emergency stop
2. Charging lamps
3. Display showing battery charge level
4. Charger cable
5. Connection for base-width adjustment motor
6. Connection for lift arm actuator
7. Connection for handset
8. Electrical emergency lowering
9. Handle for lifting battery



Charging batteries

A tone when using the lift indicating that the batteries need recharging.
 Charge the lift after use to ensure that the battery is always fully charged.
 Lock the castor wheels when charging the battery.

1. Connect the charging cable to a power outlet.
2. Check to ensure that the lamps on the control box light up. The green LED lamp indicates that the charger is receiving power and the yellow LED lamp indicates that the battery is charging.
3. Charging stops automatically when the battery is fully charged.



Wall-mounted charger.

1. Remove the battery pack from the hoist and place it in the wall-mounted charger.
2. Check to ensure that the LED lamp on the front of the charger lights up.

NOTE!

Before the lift is used for the first time, it must be charged for at least 4 hours.
 For maximum battery life, charge batteries regularly. We recommend daily charging when the lift is used daily.
 The emergency stop button must be pulled out during charging.

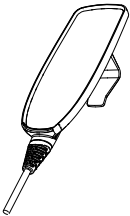
Handset

Raising/lowering the lift arm

Symbol indicate direction of travel.
Motion stops as soon as the button is released.

Widening/narrowing the base

Markings on the buttons indicate function.
Motion stops as soon as the buttons are released.

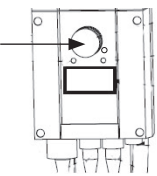


STOP

Emergency stop

To activate emergency stop:
Depress the red emergency stop button on the control box.

Resetting:
Turn the button in the direction of the arrows until the button pops out.

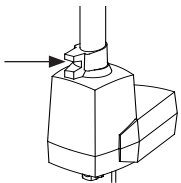


Emergency lowering

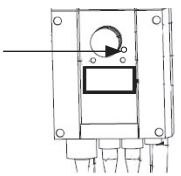
Manual emergency lowering:
Lift the red regulator upward.

Electrical emergency lowering:
For electrical emergency, use the down button on the control box.

Mechanical emergency lowering



Electrical emergency lowering



Instructions for use

These instructions must be followed for correct use of MiniLift200.

Caution:

The actuator does not lower the lift arm when the lift is being lowered. This reduces the risk of the patient being pinched by the lift arm, but as a result, the boom may at first catch, and then suddenly fall. To prevent this, the lift arm must be loaded throughout the entire lowering procedure, so that it is always supported by the actuator.

Handset functions:

The handset has four functions: up and down (lift arm), out and in (base width).

Two functions cannot be used at the same time.

NOTE: The handset functions do not operate if the emergency stop button is pushed in.

Transferring and lifting the patient:

The width of the base must be correctly adjusted to ensure optimal safety.

NOTE: MiniLift200 is not intended for transporting patients. It may only be used for short transfers.

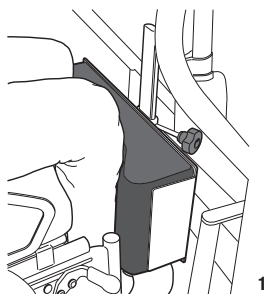
Caution: Never move the lift by pulling on the actuator.

Caution: Ensure that the patient's feet do not get caught between the footplate and the floor. Ensure that the patient's feet do not get caught between the footplate and the base when adjusting the base width.

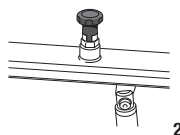
Using MiniLift200

Place an appropriately sized ThoraxSling behind and below the patient's hips, (see manual for ThoraxSling).

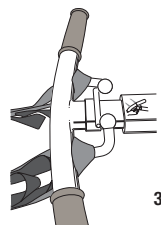
When the patient has placed /his/her feet on the footplate, move the lift forward towards the patient. Place the lift as close as possible to the patient. Take care to ensure that the patient's shins are resting securely against the leg support, and then adjust the leg support so that it does not press against the patient's kneecaps (about 2 cm lower), see picture 1.



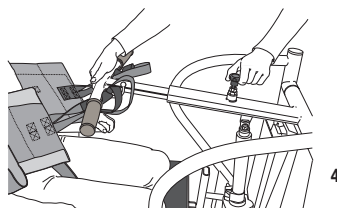
Raise the locking handle on the lift arm (2) and pull the lift arm out as far as possible towards the patient.



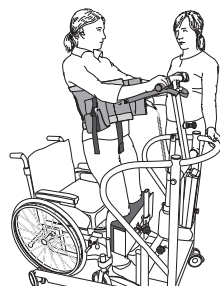
Select the sling loop that reaches the hook on the boom (shortest loop alternative). Hook the lift loops to the underside of the slingbar (3).



Raise the locking handle and draw the boom back, so that the lift straps on the sling are stretched, and then lower the locking handle back into position (4).



Instruct the patient to allow himself/herself to be supported behind the back during raising (5). Raise the lift to the desired height and ensure that the patient is standing with both feet on the footplate and is grasping the slingbar handles with both hands to avoid being pinched between the slingbar and lift loops.



Helpful hint:

Use a longer loop alternative for short patients and for patients that cannot be fully raised.

Use a longer loop alternative for taller patients, and pull the boom out to allow the patient to rise to a standing position.

Trouble-shooting

If the lift or base-width adjustment cannot be activated, check the following:

- That the emergency stop button is not pressed in.
- That all cables are properly and securely connected. Pull out the contact and plug it in again firmly.
- That battery charging is not in progress.
- That the battery is charged.

If the lift is not working properly, contact your dealer.

If the lift makes unusual noises:

- Try to determine the source of the sound. Take the lift out of operation and contact your dealer.

Accessories

ThoraxSling XS-XXL



ThoraxSling with seat support S-XL



ThoraxSling with wipeable S-XXL



ThoraxSling with seat support disposable S-XL



CalfStrap



SlingBarWrap MiniLift



Maintenance

The lift must undergo thorough inspection at least once per year. Inspection must be performed by authorized personnel and in accordance with Handicare's service manual.

Repairs and maintenance may only be done by authorized personnel using original spare parts.



Spent batteries are to be left at the nearest recycling station. Spent batteries can also be returned to Handicare or a Handicare dealer for recycling.

Disposal

The MiniLift200 can be separated into metal, plastic and electronic parts for recycling and disposal.

Cleaning/disinfection

Clean the lift with warm water or rubbing alcohol and ensure that the castor wheels are free of dirt and hair. Do not use cleaning agents containing phenol or chlorine, as this may damage the material.

Storage

If the lift is not to be used for some time or e.g., during transport, we recommend that the emergency stop button be pressed in. Store the lift at a temperature above freezing point and not exceeding normal relative humidity (about 60%).

Technical information

Lifting speed:	3.5 cm/s (1 1/2 inch/s) without load
Control box with charger:	24V DC, 9A built-in charger, 100-240 VAC, 50-60 Hz, max 400mA
Batteries:	24V DC 2.9 Ah
Motor (mast):	DC 24 V, 10.5 Ah. Operating time: 10% maximum continuous operation for 2 minutes Push: 7500N.
Motor (base):	DC 24 V, 12.3 Ah. Operating time: 10% maximum continuous operation for 2 minutes Push: 2000N.
Material:	Steel
Emergency lowering:	Mechanical and electrical
Castor wheels:	Ø 100 mm
Safety class:	IPX4
Sound level:	55.8 dB(A)
Estimated service life:	10 years

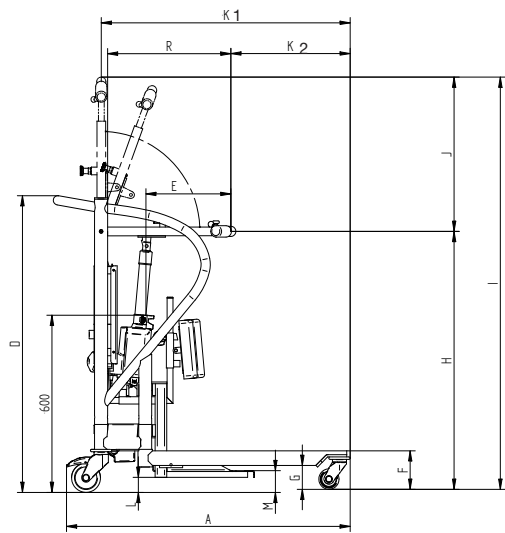


The device is intended for indoor use.



Type B, according to the degree of protection against electric shock.

Dimensions



Measurement

A	Length	980 mm
B	Width inside min. legspread	470 mm
	Width inside max. legspread	930 mm
C	Width outside min. legspread	580 mm
	Width outside max. legspread	1030 mm
D	Height	1030 mm
E	Maximum reach at 600 mm (reference height)	295 mm
	Max height from the base	1375 mm
F	Height at base	120 mm
G	Clearance at base	90 mm
H	Lifting height min.	880 mm
I	Lifting height max.	1500 mm
J	Hoisting range	620 mm
K1	Min. distance from wall to CSP at max. Height (legs spread)	860 mm
	Minimum distance from wall to CSP at max. reach (legs spread)	410 mm
K2	Min. distance from wall to CSP at min. height (legs spread)	410 mm
L	Footplate, clearance	50 mm
M	Footplate, height	75 mm
N	Inside space between bars	525 mm
O	Overall length	1000 mm
P	Reach from base with legs spread to 700 mm	570 mm
R	Max. reach from base	425 mm
	Max. load	200 kg
	Total weight	49 kg
	Weight loose parts (footplate)	5 kg
	Number of lifts per charge	20-25
	Footplate, dimensions (W x D)	390 x 345 mm
	Materiale frame	Steel
	Wheels	Ø100
	Turning diameter	1050
	Lifting speed unloaded	3,5 cm/sec

Tolerance +/- 5mm

