

1. Boom
2. Mast
3. Handlebar
4. Control box
5. Emergency stop
6. Rear castors with brakes
7. SlingBar with safety latch
8. Front castors
9. Emergency lowering (mechanical)
10. Motor/actuator for boom
11. Locking handle
12. Motor for base-width adjustment (EE)
13. Pedal for base-width adjustment (EM)
14. Strap

**Max. load 160 kg/352 lbs**

Mobile lift Carina350EM/EE has been developed to meet most lifting needs in combination with the right accessories. It is intended for lifting in a seated or horizontal position. Carina350EM/EE is collapsible and therefore easy to transport and store. Carina350EM has manual base-width adjustment and Carina350EE has electrical base-width adjustment.



## Functional inspection

Visual inspection

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



## Always read the instructions

Read instructions for all assistive devices used in connection with transfers:

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

Do not leave the patient unattended during a lifting situation.

### Before use:

Make certain the lift is properly assembled.

Check Slingbar connection and safety latch function.

Check lift lifting function and base-width adjustment.

Under no circumstances may the lift be used by persons who have not received instruction in the operation of the lift.

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## Technical information

<b>Lifting speed:</b>	23 mm/s without load
<b>Batteries:</b>	Two 12V 2.9 Ah valve-regulated, sealed, lead accumulator (gel-type batteries)
<b>Charger:</b>	Max. 400mA
<b>Motor (mast):</b>	DC 24 V, 5.5 A. IPX4. Operating time: 10% maximum continuous in 2 minutes, max. 5 directional changes per minute. Push: 6,000N.
<b>Motor (base):</b>	DC 24 V, 5 A. IPX4. Operating time: 10% maximum continuous in 2 minutes, max. 5 directional changes per minute. Push: 3,000N.
<b>Sound level:</b>	With load: up: 54 dB(A) down: 54 dB(A).
<b>Material:</b>	Aluminium
<b>Emergency lowering:</b>	Mechanical and electrical
<b>Wheels:</b>	Front 75 mm, rear 75 mm
<b>IP class:</b>	IPX4.
<b>Weight:</b>	34 kg
<b>Expected service life:</b>	10 years
<b>Pressure Handset:</b>	Buttons on handset: 4 N




The device is intended for indoor use.



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



## Important information

- The lift must be assembled according to the assembly instructions provided by RoMedic.
- Warranty applies only if repairs or alterations are made to the product by personnel who are authorized by RoMedic.
- Batteries control unit and actuators on the lift must not come in direct contact with water.
- To ensure optimal function, the lift must be inspected regularly. See section on other maintenance details.
- Under no circumstances may max. load be exceeded. See section on technical information and the product decal on the lift.
- Never move the lift by pulling on the actuator!  Do not push
- The lift may only be used on a level floor.
- Lifting accessories must be properly fitted and tested in relation to the patient's needs and functional ability.
- Carina350EM/EE must not be charged in a wet room or used in connection with showering and bathing.
- The lift must not be exposed to running water.

## Assembly of Carina350EM/EE

**Check to ensure that all components are included:**

Mast with boom, lift motor, slingbar and control box.

Undercarriage with base-width adjustment motor (EE) or base-width adjustment pedals (EM).

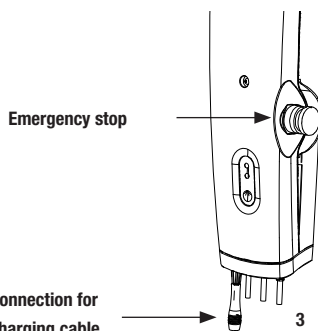
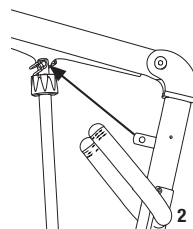
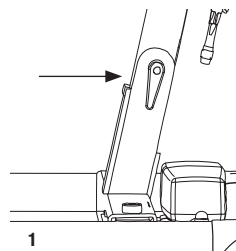
Handset and cord.

Locking handle for mounting mast on undercarriage.

Instructions, charging cable and power supply cord for charging.

**The lift is collapsed when delivered. Set up the lift, without tools, according to the following instructions:**

1. Lock castor wheels.
2. Loosen the locking handle at the base of the mast (image 1).
3. Pull out/lift up boom and place it in the base.
4. Tighten locking handle (image 1).
5. Loosen the tension strap that holds the boom and lift the boom up.
6. Remove the actuator from the mount on the mast and move it to the mount on the boom (image 2).
7. Check all mounting fixtures and locking handles (images 1 and 2).
8. Connect charger cable (image 3).
9. Release the emergency stop (image 3) and perform a final inspection (see final inspection).



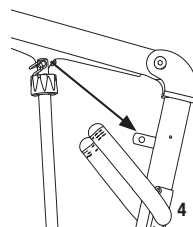
**To collapse the lift again, follow the instructions below.**

1. Lock castor wheels.
2. Run the boom to the lowest level.
3. Loosen the actuator from the boom and mount it on the mast (image 4).
4. Lower the boom and secure it to the mast with the tension strap.



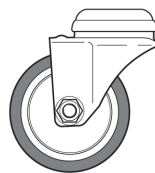
**NOTE!** Warning for risk of pinching (between boom and mast).

5. Loosen the locking handle at the base of the mast (image 1).
6. Lift up on the mast and lower it towards the undercarriage.
7. Pull the mast back and tighten the locking handle (image 1).



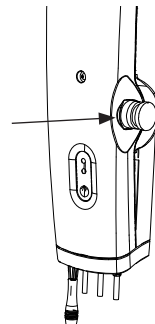
## Final inspection

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 packaging for any loose bolts and screws. If you find any, locate their intended positions on the lift and replace them.

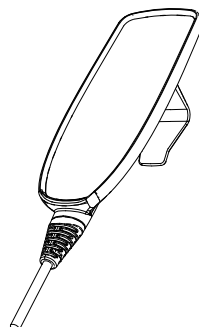
Check emergency stop function by depressing the emergency stop, and then pressing either the Up or Down button. If nothing happens when the Up or Down buttons are pressed, the emergency stop is functioning properly.



Grasp the handset, press the Up button and run the boom all the way up. Then, press the Down button and run the lift all the way down.

Test base-width adjustment function by pressing the button for base-width adjustment (model EE). Widen the base to max. width and then press the other button to narrow it again.

Test base-width adjustment function on model EM by pushing down on the respective pedals for widening and narrowing the base.



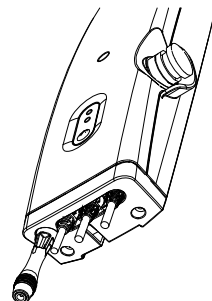
Test lift function by lifting a person (not a patient) using an approved sling. At the same time, check the emergency lowering function with someone on the lift.

If the equipment is satisfactory upon inspection, connect the freestanding adaptor for charging to the lift and to a power outlet, and then check to ensure that the charging lamp on the control box lights up.

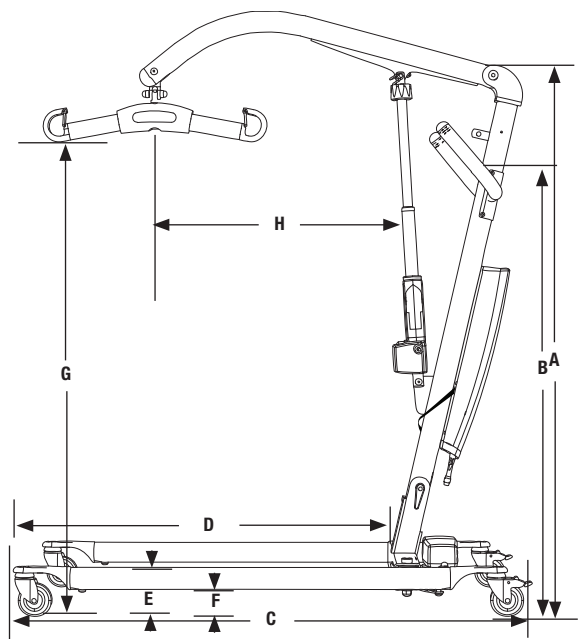
### NOTE!

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

Always keep the manual near the lift.



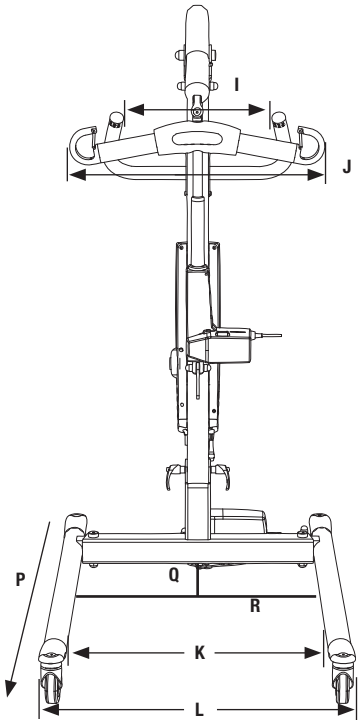
Dimensions



	A	B
A	126,5	49,8
B	102-112	40,2-44,1
C	111	43,7
D	86	33,9
E	11	4,3
F	6	2,4
G	52-163	20,5-64,2
H	57	22,5

Column A measurement is in cm and weight is in kg.

Column B measurement is in inches and weight is in lbs.

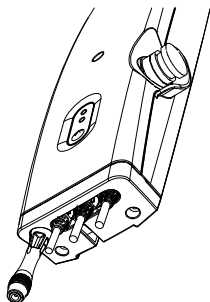


Column A measurement is in cm and weight is in kg.  
Column B measurement is in inches and weight is in lbs.

	A	B
I	35	13,8
J	49	19,3
K	55	21,7
L	64,5	25,4
M	123	48,5
N (EM)	34,5	76,06
N (EE)	36	79,37
O	17,5	38,58
Q	30	11,8

M is turning diameter  
N is total weight of lift  
O is the weight of the heaviest component  
P is movement in forward direction  
R is reference measure 70 cm with max legspreading  
S is minimum distance from wall to slingbar at maximum height (legs spread).  
T is minimum distance from wall to slingbar at maximum reach (legs spread).  
U is minimum distance from wall to slingbar at minimum height (legs spread).

## Charging batteries



Connect the adaptor to the lift and to a wall outlet.

Check to ensure that the LED lamps marked "Power" and "Full" light up.

The "Power" and "Full" LED lamps indicate that the battery receives power during charging.

Indication of battery charge level:

The "Charge 1" lamp lights if the battery charge level is lower than 25%.

The "Charge 2" lamp lights if the battery charge level is lower than 50%.

Lock the castor wheels when charging the battery.

### NOTE!

Before the lift is used for the first time, it must be charged for at least 4 hours.

Charge batteries regularly for maximum longevity. We recommend daily charging when the lift is in daily used.

The emergency stop button must be pulled out during charging.

## Handset

### Manoeuvring

#### Raising/lowering the boom:

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

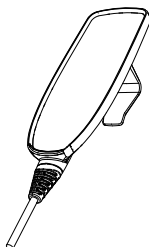
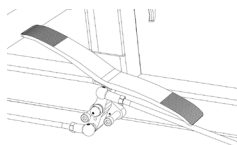
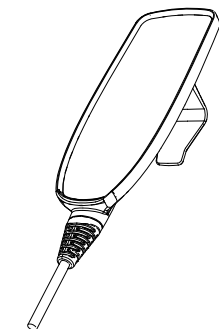
#### Widening/narrowing the base (model EE):

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

## Base-width adjustment

**Manual base-width adjustment (model EM).** Push down on the respective pedals at the back of the lift to widen and narrow the base.

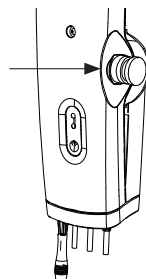
**Electrical base-width adjustment (model EE).** Use the buttons on the handset to adjust the base width of Carina350EE. The buttons are marked with symbols to indicate widening/narrowing.



## Emergency stop

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

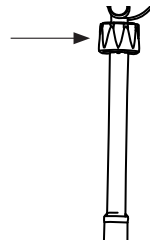
**Resetting:** Turn the button in the direction of the arrows until the button pops out.



## Emergency lowering

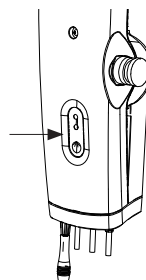
### Mechanical emergency lowering

For emergency lowering, turn the round plastic knob on the actuator clockwise.



### Electrical emergency lowering

There is an Up / Down button on the control box.



## Trouble-shooting

If the lift is not working properly (up or down), check the following:

- The emergency stop device is not pressed in.
  - All cables are properly connected.
  - The battery charges via the adaptor.
- If the lift is still not working properly, contact RoMedic.

**The lift can be raised but not lowered (or vice versa), or the base-width adjustment only works in one direction. Check the following:**

That all cables are properly and securely connected. Pull out the contact and plug it in again firmly. If the lift is still not working properly, contact RoMedic.

**If the lift makes unusual noises:**

Try to locate the source of the sound, take the lift out of operation and contact RoMedic.

## Accessories

### Slings

The RoMedic Slings are available in different fabrics and are a series of several sling models. The choice of model and material is determined by the patient's functional capacity and the situations in which the product is to be used.

For slings and other lifting accessories, see RoMedic's user manual for slings.

### Slingbars:

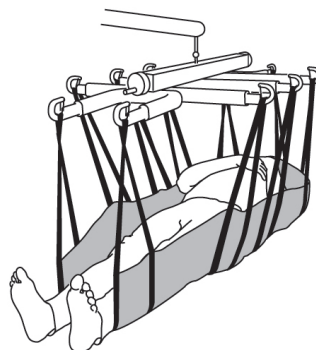
SlingBar S

SlingBar M

SlingBar L



StretcherBar and StretcherSling for lifting in the horizontal position



RoMedicScale for weighing patients who use patient lifts



Extra batteries

Positioning aids: TopSheet, SafeHandlingSheet, RoMedicClips

## Other maintenance details:

The lift must undergo thorough inspection at least once per year. This must be done by authorized RoMedic service personnel and in accordance with RoMedic'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 or returned for recycling to RoMedic or a RoMedic dealer.

### Cleaning

When necessary, 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., when transporting, we recommend that the emergency stop button be pressed in. Store the lift at a temperature exceeding freezing point and at normal relative humidity (about 60%).

### Service agreements

RoMedic offers the possibility of service agreements for maintenance and regular testing of your mobile lift. Contact your local RoMedic representative.

Ready for life is a series of assistive devices that are designed to give patients the best possible conditions for living an active life on a daily basis. The products have been specially developed to meet the conditions of a home-care setting. Ready for life offers the right quality, the right function and the right performance at the right price. The transfer assistive products can be used either independently or as a complement to products in the SystemRoMedic range.

## Maximum load:

Different products on the assembled lift system; ie. lift, slingbar, sling, scale, and other accessories may have different max loads.

It is always the lowest maximum allowable load indicated for the respective products on the system that applies for the entire system.

Always check the markings on all products in the unit and contact RoMedic with any questions.

# Ready for life

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RoMedic's products are developed on an ongoing basis, which is why we reserve the right to modify product designs without prior notice. Contact your RoMedic representative for information, advice and updates.

When in doubt, contact your RoMedic representative for product trials, advice or information.

If you require additional information, contact your transfer specialist or our representative, or visit [www.romedic.com](http://www.romedic.com).

Make sure you always have the most recent version of the manual.

Manuals are available for downloading from our website; <http://www.romedic.com>

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