

INSTRUCTIONS FOR USE

Voyager Portable 200



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Contents

Foreword.....	4
Pre-sale information.....	5
Safety instructions.....	6
Intended use.....	6
Operational life.....	6
Package contents.....	7
Safe Working Load.....	7
Important safety directions.....	7
Shock prevention.....	8
Fire and explosion prevention.....	8
Human and environmental safety practices.....	8
Battery and battery charger safety practices.....	9
Equipment warning labels.....	9
Homecare environment considerations.....	9
Parts designation.....	10
Product description.....	11
Hand control.....	11
Charger.....	11
Indicators.....	11
Emergency shut-off.....	11
Emergency lowering.....	11
Emergency brake.....	12
Battery information.....	12
Accessories.....	14
Sling application.....	15
Use of slings.....	15
Before approaching the patient.....	15
Positioning the Patient.....	15
Transfer the patient.....	15
Care and preventive maintenance.....	18
Troubleshooting.....	22
Technical specifications.....	23
Dimensions.....	25
Labels.....	26
Electromagnetic compatibility.....	29

Foreword

Thank you for choosing the Voyager Portable 200 ceiling lift from Oxford Healthcare.

Customer contact information

For questions regarding this product or other Oxford Healthcare products and services, contact Oxford Healthcare or an Oxford Healthcare authorised representative.

Before using the product

The information in this Instructions For Use (IFU) is important for your safety. You must read and fully understand this IFU before using the product to help prevent potential injury. The information in this IFU is necessary for the proper and safe operation of the product.

Unauthorised modifications on any Oxford Healthcare product can affect its safety and performance. Oxford Healthcare will not be held responsible for any accidents or incidents resulting from such modifications to its products.

Service and support

It is necessary to perform routine maintenance to maintain the safety and reliability of the product. See the Care and preventive maintenance section for more information. Contact your local Oxford Healthcare representative for spare parts.

Serious incident

If a serious incident occurs in relation to this medical device, affecting the user, or the patient, then the user or patient should report the serious incident to the medical device manufacturer or the distributor. In the European Union, the user should also report the serious incident to the Competent Authority in the member state where they are located.

Definitions in this IFU



WARNING

Warning means: Safety warning. Failure to understand and obey this warning may result in injury to you or others.

CAUTION

Caution means: Failure to follow these instructions may cause damage to all or parts of the system or product.

NOTE

Note means: This is important information for the correct use of this system or product.

Pre-sale information

GENERAL	
Intended use, the intended user group and the intended environment; including any contraindications	See Intended use on page 6
Expected lifetime of the product	See Operational life on page 6
Maximum user mass	200 kg (440 lb)
Minimum user mass	None
Maximum load	200 kg (440 lb)
Operating forces of controls	<5 N
Accessories	See Accessories on page 14
Detachable parts	Carabiner, hand control unit, charger and emergency lowering tool
Compatible products	See Compatible slings on page 15
The A-weighted sound power level	<54 dBA
Name and address of the manufacturer	See back page

DIMENSIONS	
Product Weight (max)	6.5 kg (14.3 lb)
Detachable parts above 10 kg (22 lb)	None
Turning circle	N/A
Overall	See Dimensions on page 25

Safety instructions

Keep this manual with the lift and refer to it as required.



WARNING

Do not attempt to use this lift without fully understanding the information contained in this manual. A misuse of this unit may lead to a patient fall and to injuries.



WARNING

Oxford Healthcare strongly advises and warns that only parts designated by Oxford Healthcare should be used on products and other devices supplied by Oxford Healthcare. Injuries can be caused by the use of inadequate parts.



WARNING

Unauthorized changes on any Oxford Healthcare product may affect its safety. Oxford Healthcare will not be held responsible for any accidents, incidents or deficiencies of performance that occur as a result of any unauthorized changes to its products.



WARNING

Always place the sling around the patient according to the instructions enclosed. Failure to do so may result in injuries to you or to others.

CAUTION

The Voyager Portable 200 is for transferring patients only. Do not use the lift for any other purpose. It could get damaged and the safety of the patient may be compromised.

CAUTION

Do not drop the ceiling lift. This could cause internal damage. If the ceiling lift is suspected to be damaged, contact your local Oxford Healthcare agent.

Intended use

The Voyager Portable 200 ceiling lift is a multiple patient, multiple use product designed to assist caregivers in hospitals, long-term care, nursing homes and home care environment, including private homes and patients with reduced mobility for the following reasons.

- Transferring to/from adjacent location, such as chair, wheelchair, bed, bath, toilet, floor or stretcher.
- Supporting the patient for rehabilitation training.
- Assisting patient with tasks such as, toileting and bed positioning.

Patient transfers must be done under the supervision of appropriately trained caregivers in accordance with the instructions found in this manual. The product must only be used for the reasons stated above. It must be installed by Oxford Healthcare authorized personnel, following local codes.

Operational life

The product is designed and tested for a useful life of seven (7) years or 10,000 transfers—whichever comes first—when subject to preventive maintenance as specified in section Care and preventive maintenance on page 18.

Time equivalence between the number of transfers versus the number of years is made clear in the table.

Transfers per day	Years (10,000 transfers)
4	7
6	4.5
8	3.5



WARNING

The manufacturer cannot ensure full safety for a lift or an accessory of which the operational life has been exceeded. Wear may cause the breakage of a part and lead to a patient fall.

The red indicator light on the portable lift will blink when it is about halfway to its useful life, and again to indicate the end of the useful life period.

Aging of the cassette, frequency of use (transfers per day), the weight of the patient and maintenance frequency are factors that have an impact on the Voyager Portable 200's life span.

A transfer is defined as the displacement of a patient from one point to another. A transfer cycle includes a lifting and a descending action.

The expected operational life for fabric slings and stretchers is approximately 2 years from purchase date. The life expectancy only applies if the slings and stretchers have been cleaned, maintained and inspected in accordance with the Preventive maintenance schedule on page 18.

The expected life for other consumable products, such as batteries, fuses, lamps, slings, straps and cords is dependent upon the care and usage of the product concerned. Consumables must be maintained in accordance with published Instructions for Use and the Preventive maintenance schedule on page 18.

Package contents

Upon receipt of the equipment, verify it against the packing list to ensure it is complete. Check the package for damage. If the package looks damaged or as it has been opened, contact the transport agency. Do NOT use the product.

Safe Working Load

The Voyager Portable 200 has been designed with a lifting capacity of 200 kg (440 lb).



WARNING

The ceiling lift is intended to be used for patients whose weight is within a specified safe working load. Do not attempt to lift more than the lowest weight limit indicated on the following:

- the rail system
- the “maximum load” label on the lift
- the accessories
- the sling

Surcharge of any of these elements may lead to a patient fall and to injuries.

Important safety directions

Always make sure that:

- The portable lift was installed by an approved Oxford Healthcare contractor or installer.
- The product is used by trained caregivers.
- The rail installation will accept a load equal or higher to that of the portable lift.



WARNING

Before attempting a transfer, a clinical assessment of the patient's suitability for transfer should be carried out by a qualified health professional. The transfer, among other things, may induce substantial pressure on the patient's body. A transfer conducted when it should not can degrade the patient's health condition.

- Special consideration is taken with a patient who is connected to electrodes, catheters or other medical devices.
- Violent impact during transfers is avoided.
- The sling is not damaged, torn or frayed.
- The lifting procedures found in this manual are followed.

Continued on next page

- All controls and safety features are used only according to the rules specified in this manual. Never attempt to force a control or button on the lift.
- The charger is not stored in a shower, bath or other areas with high humidity.
- The sling straps are in good condition and properly fastened.
- The daily maintenance is carried out before using the lift.
- If storing the lift, the humidity in the storage area does not exceed 93 %.
- The ambient temperature range when storing the ceiling lift remains between –25 °C and 70 °C (-13 °F to 158 °F).



WARNING

This product contains small parts that may present a choking hazard to children if inhaled or swallowed.



WARNING

Oxford Healthcare warns of possible strangulation risks related to the lifting strap or the hand control cable. Necessary precautions should be taken to prevent these.

CAUTION

Keep all components of the lift clean and dry to avoid a malfunction of the device.

CAUTION

Excessive exposure of the hand control to water (or other liquids) could cause a malfunction of the device.

Shock prevention

- Do not touch or use a lift with bare conductors or a damaged power cord. If this is the case, contact your local Oxford Healthcare agent immediately.
- Do not expose the unit to water or moisture.

- Check nameplate for input voltage and frequency requirements. These ones differ by country. Do not attempt to use the lift in an area that has a different voltage and frequency requirement.
- Do not attempt to expose, service or repair the lift, battery or charger. If the unit is malfunctioning, contact your local Oxford Healthcare agent.
- Read batteries and charger instructions carefully before using or storing them.

Fire and explosion prevention



WARNING

Do not place or store the battery under direct sunlight or near a heat source.



WARNING

Do not expose the batteries or battery charger to flames. They might open, causing a chemical leak.



WARNING

Do not use the charger in the presence of flammable anaesthetic gases. The charger might generate a spark, which could cause an explosion.

- Do not short circuit the battery terminals.
- Do not incinerate the battery.

Human and environmental safety practices

- Should the battery casing crack and cause contents to come in contact with skin or clothing, rinse immediately with plenty of water.
- If contents come in contact with the eyes, rinse immediately with plenty of water and seek medical attention.
- Inhalation of the contents can cause respiratory irritation. Provide fresh air and medical attention.
- For recycling and disposal of the batteries, see End of life disposal on page 24.

Battery and battery charger safety practices



WARNING

Following the instructions is important for the safe use of the battery and to keep the user (resident/caregiver) from harm.

The batteries for this device are rechargeable batteries.

Only use batteries designed for use with the device. If unsure, do not use the battery. Make sure the battery belongs to the device by comparing the battery label with the Technical specifications on page 23. If battery type cannot be confirmed, call your Oxford Healthcare agent.

- Do not expose the battery charger or connector to water.
- Do not expose the battery or chargers to flames.

To avoid bodily injury, do not crush, puncture, open, dismantle or otherwise mechanically interfere with the battery.

Stop using the battery if any damage or deformation is noted. Inform technical service before further use.

See the Technical specifications on page 23 in this document for correct disposal and recycling of the battery.

- Be careful not to drop the batteries.
- Only use the charger that has been supplied with the lift.
- Do not charge the batteries in an unventilated area.
- The charger must not be covered or exposed to dust.
- The charger is designed for dry areas only and for normal air humidity conditions.
- Do not store batteries at a temperature higher than 70 °C (158 °F).

NOTE

Batteries need to be charged for a minimum of 8 hours prior to the initial use.

Equipment warning labels

- Carefully read the labels on the battery and follow the instructions.
- Inspect all precautionary labels on the equipment. Order and replace all labels that cannot be easily read.

Homecare environment considerations



WARNING

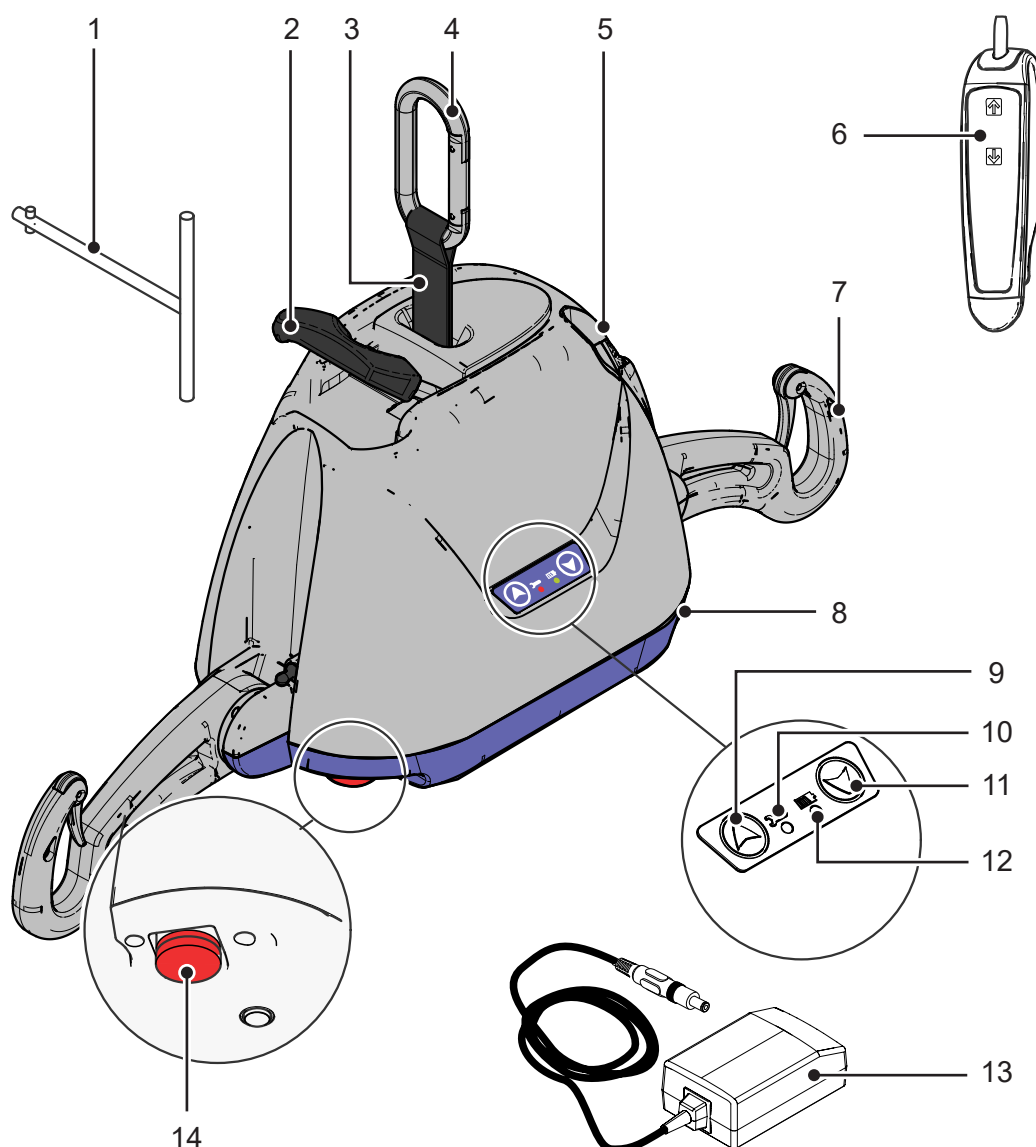
The product is not intended to be operated by children. Serious injuries could occur.

NOTE

Cleaning actions should be done rigorously when the product is exposed to an animal.

Pet hair trapped around mobile parts can affect lift's performance.

Parts designation



1. Emergency lowering tool

2. Pass through hook

3. Strap

4. Carabiner

5. Hand control holder

6. Hand control unit

7. Support

8. DC charger inlet

9. Up button

10. Maintenance indicator light

11. Down button

12. Charge indicator light

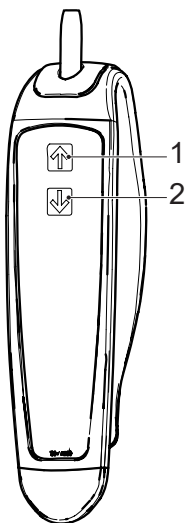
13. Charger (with mains adaptor)

14. Emergency shut-off button (red)

Product description

Hand control

The hand control unit is used to operate the ceiling lift. The Up and Down buttons raise or lower the lift.



- 1. Up button
- 2. Down button

Charger

The ceiling lift units are equipped with a wall-adapted charger that can be customized to fit the AC voltage outlets where they are sold.

NOTE
Avoid positioning the charger such that access to the plug is limited, making disconnection difficult.

Indicators

Battery status		
 (Yellow)	Flashing	Battery is charging.
	Solid	Battery is charged.
Maintenance		
 (Red)	Flashing (no beep)	Maintenance is required by your local agent.
	Solid (with beep)	Maintenance is overdue. Stop using the lift and contact your local agent for service.

Emergency shut-off

The operator can shut off the electrical power at any time by pressing the red mushroom-shaped emergency button under the lift. The button is reset by twisting it clockwise in the direction of the arrows. First time users should practice the shut-off manoeuvre before operating the lift with a patient.

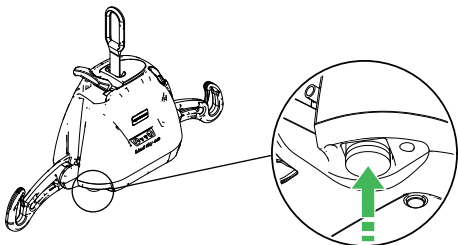
Emergency lowering

CAUTION
The emergency lowering feature is to be used only in case of emergency.

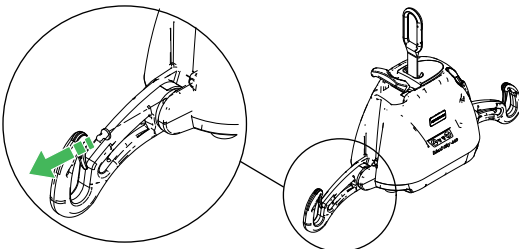
The ceiling lift has a special safety feature that allows the lift to be lowered even if the electrical system does not operate.

Located on the right side of the lift (near the folding sling support), the emergency lowering device is activated by the insertion of the special tool included with this manual.

- 1. Press on the red emergency shut-off button under the lift. Move the lift with the patient over the bed or the wheelchair.

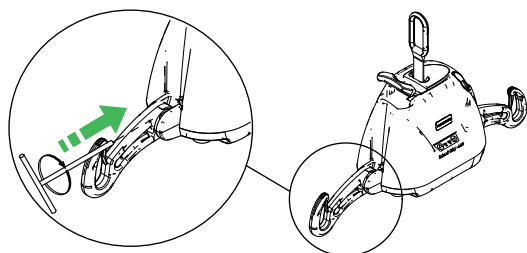


- 2. Remove the plastic cap covering the emergency lowering mechanism's entry.



Continued on next page

3. Insert the special tool into the opening. Turn it clockwise to lower the patient. The tool rotation turns the motor directly, so that for each tool turn, the patient will lower slightly. Once the patient is lowered safely on a bed or into a wheelchair, remove the tool from the lift. Call a qualified technician to service the ceiling lift.



Emergency brake

The emergency brake is an additional safety feature that automatically prevents the patient from falling in the unlikely event of a transmission or motor failure.



WARNING

After an incident has occurred and the brake was deployed, never attempt to unlock the brake or press the Up button. This may disengage the brake and make the patient fall. The emergency lowering device cannot be used.



WARNING

Never use a portable lift with the emergency brake deployed. Use other equipment to lower the patient. Forcing the lift to make it move might lead to patient fall.

The emergency brake is intended for a single activation and therefore can only be used once. Call your Oxford Healthcare agent for replacement of the unit.

CAUTION

Not following these instructions can result in a short battery life.

Only use batteries designed and labelled for use with the device. When not sure, do not use the battery. Make sure the battery belongs to the device by comparing the battery label with the technical specifications in this manual. If battery type cannot be confirmed, call your Oxford Healthcare agent.

Battery life depends on many factors. These are: frequency of use, frequency of charging, temperature of operation, storage and storage time.

Using lead-acid batteries below a 20 % charge can damage the battery resulting in shorter battery life.

Make sure to have a replacement battery ready when needed. Have the facility department keep one in stock.

The batteries included in the ceiling lift provide 10 to 30 transfers per battery charge.

NOTE

To prolong battery life, plug the charger to the lift's DC charger inlet whenever the portable lift is not in use. If the low battery indicator beeps, make sure to recharge the batteries as soon as possible. Charge the batteries until the charging indicator light is a solid yellow before using the lift again. This will extend their life.

NOTE

Oxford Healthcare uses sealed lead-acid batteries. These ones are not affected by any memory effect. Therefore, they should not be completely drained before recharging.

Battery information

For safe handling and to extend the battery lifetime, please follow and remember these instructions.

Charge the batteries



WARNING

Do not operate the charger with a damaged cord or if the lift has been dropped or damaged. Do not bend the power cord by force, or place a heavy object on it. These could damage the cord and may cause fire or electrical shock.

1. Plug the charger into a wall socket compatible with universal voltage input from 100 Vac to 240 Vac.
2. Plug the charger's DC connector to the ceiling lift DC inlet.
3. The charge indicator blinks yellow while the battery is charging. When batteries are fully charged, the charge indicator will turn solid. The unit is ready to use.
4. If the battery is low, it will take approximately 2 hours for a full charge.

NOTE

The lift cannot use energy from the charger to operate. If you try to activate any function of the lift when plugged to charger, no command will be activated.

When you need the lift again, unplug the charger.

The charger can remain plugged to the lift indefinitely, which is convenient for overnight charging. The lift can be charged for an extended period of time without damaging either the charger or the batteries.

If the batteries have been completely drained it could take up to 6-8 hours to completely recharge them. In order to reduce the charging time, refrain from completely draining the batteries and leave the portable lift connected to the charger between uses.

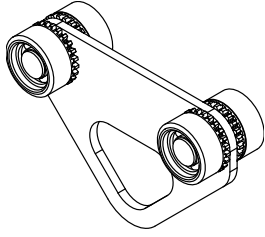
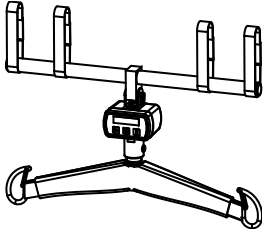
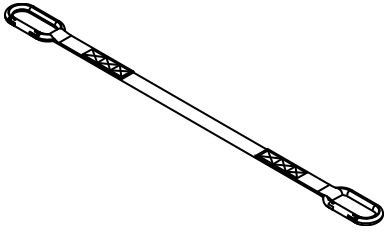
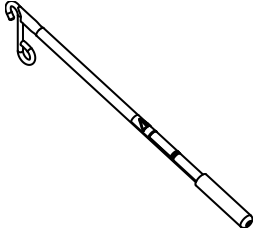
NOTE

If the charge indicator does not go on or blink when the charger is plugged to the lift's DC charger inlet, see section Troubleshooting on page 22.

CAUTION

Do not attempt to use a battery that was not supplied by Oxford Healthcare. Batteries are specially designed for Oxford Healthcare charging systems. Attempting to use an unauthorized battery may seriously damage the lift and/or the charger.

Accessories

		
Trolley Trolley for portable ceiling lifts. Used to move the lift along the rail system.	Scale To use the scale with the scale adaptor, refer to the scale IFU and the scale adaptor IFU.	Carry Bag
		
Strap Extension To use the Strap Extension, refer to the Strap Extension IFU.	Reacher 24" and 36" To use the Reacher, refer to the Reacher IFU.	

Refer to your local Oxford Healthcare agent for ordering.



WARNING

All trolleys are not compatible with all rail systems. Please contact your local Oxford Healthcare agent to get more information.

Sling application



WARNING

All rails must be closed with end stoppers or connected to other closed rail components. Before use, make sure all end stoppers are in place and secured. A wrong installation of these items might lead to a patient fall and to injuries.



WARNING

The lift must never be operated by the patient. In the unlikely case of a failure, the patient might get stuck in the unit.

Compatible slings

The ceiling lift is compatible with all Oxford passive slings from Oxford Healthcare.

Refer to your local Oxford Healthcare agent for ordering.

Use of slings

The 2 sling supports can accommodate any of the Oxford Healthcare loop attachment slings.

All slings are color coded for size by having a different colored edge binding or attachment strap coloring:

- Brown - Extra Small - XS
- Red - Small - S
- Yellow - Medium - M
- Green - Large - L
- Blue - Extra Large - XL

Oxford Healthcare offers the option of a headrest for many slings if it is considered necessary for a particular patient. A range of special purpose slings are available as accessories. For these or for special size slings, contact your Oxford Healthcare agent.

Before approaching the patient

- Attendants should always tell the patient what they are about to do.

- Make sure to have on hand a sling that is of the correct model and of adequate size for transfer with the ceiling lift.
- Before performing the transfer, it is important to evaluate the patient's general condition. For example, an agitated patient will require a more specific type of sling.

Positioning the Patient

The specific sling loops chosen determine the position of the patient. Different loop combinations can be used to allow the patient to be lifted and transferred in positions ranging from semi-reclined to seated.

For detailed use instructions, please refer to the sling's user instructions.

Transfer the patient (12 steps)



WARNING

Constant attention to the patient is required from caregiver during the whole transfer. In the unlikely event of a failure of the device, the caregiver must be ready to react.

To begin the transferring procedure:

1. Install the sling under the patient according to the sling's user instructions.
2. Unwind the strap by pressing the Down button on the hand control while holding a tension on the strap with the other hand.

NOTE

There must be tension on the strap for the lift to function.

3. Attach the carabiner to the trolley and then move the lift over the patient.

Continued on next page

4. Lower the lift below the chin and unfold supports before attaching the sling straps. (This will prevent the lift from striking the patient's face due to the lift's movement).

NOTE

For a patient in a supine position, lower the lift near the chest, unfold supports, then install the straps.

NOTE

The back of the sling has sewn handles to allow better positioning for the caregiver and enhancing patient safety.

5. To attach the sling, unfold the support on each side of the lift. Insert the strap loop onto the support and pull gently on the strap.

6.



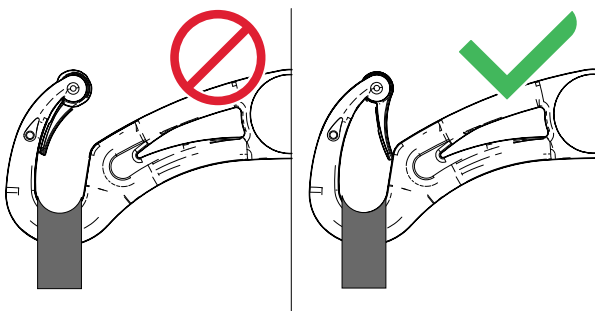
WARNING

Before lifting the patient:

- **Make sure that all straps are attached to the lift's supports.**
- **Make sure the patient's arms are safely out of the way.**
- **Make sure the sling is not caught on any obstructions (wheelchair brake or chair arm, etc.).**

If any of the above occurs, lower the patient immediately and correct the problem. Any of these situations might lead to a patient falling.

The support safety latch will rotate allowing the strap to slide into the hooks. The strap will be trapped inside the support as the safety latch will automatically revert to the closed position. Do not attempt to transfer a patient if the safety latches are not blocking the support's opening for the strap.



7. To lift the patient, press the Up button on the hand control.
8. Lift the unit until the patient's buttocks clear the arm supports of the wheelchair, the top of the bath or the bed before moving the patient. Guide the patient's legs past any obstacles.



9. When the patient is located above the desired point of transfer and ready to be lowered, press the Down button.

10.



WARNING

Hold the ceiling lift spreader bar with one hand at all times when near a patient to avoid risk of contact.

Once the patient is properly seated, loosen the straps and disengage the sling from the lift.

11. Slide the lift away from the patient. Unhook the lift from the trolley and use the hand control to shorten the strap. You can now remove the sling from around the patient.
12. When the ceiling lift is no longer required, plug it back to the charger.

Clean and disinfect

(3 steps)

Remove visible residues

1. Use a cloth soaked with water. Remove visible residues located on the ceiling lift. Start from top and move downwards.

Clean

CAUTION

Do not splash, drench or immerse the unit in water. The lift is an electrical device and water could damage your unit.

NOTE

The lift and the sling should be cleaned between use of different patients and/or when suspected to be contaminated.

Use a damp cloth with warm water mixed with a mild detergent. Disinfectant wipes, supplied already impregnated with a 70 % v/v solution of isopropyl alcohol, can also be used.

2. Scrub the equipment from top to bottom, removing all visible residues. Rub the lift vigorously when using the wipes, to promote an effective disinfection of its entire surface. Do not use phenol, chlorine or any other type of solvent that may damage the finish or cause corrosion.

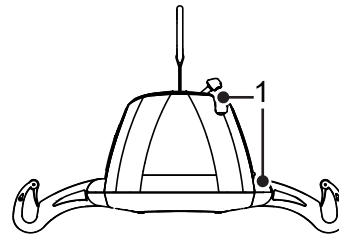
NOTE

Pay special attention to areas pointed out in section Special areas to clean on page 17. These are most likely to enclose germs. Use a smaller brush and/or cotton swab to reach them.

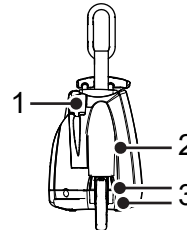
3. Rinse with clean water any remaining residual detergent. Then wipe clean with a dry cloth.

To make sure a better rolling surface for the trolley wheels, clean the inside of the rail every 4 months. To do so, insert a damp cloth in the opening and slide it from one end of the rail to the other.

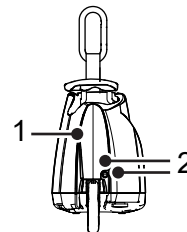
Special areas to clean



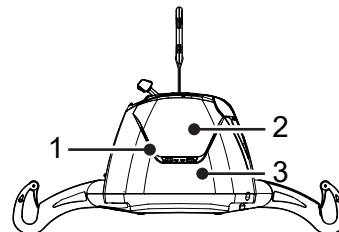
1. Plastic enclosure junction



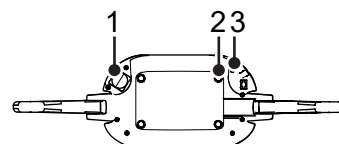
1. Plastic cavity
2. Handset pocket
3. Enclosure corner



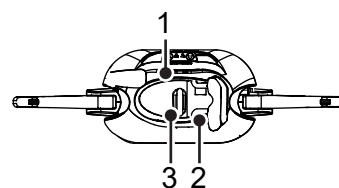
1. Plastic cavity
2. Enclosure corner



1. Enclosure corner
2. Product label edge
3. Membrane edge



1. E-stop cavity
2. Rubber stand-offs
3. Screw cavity



1. Enclosure junction
2. Enclosure corner
3. Strap opening

Care and preventive maintenance

The product is subject to wear and tear, and the following actions must be performed when specified to make sure that the product remains within its original manufacturing specification.



WARNING

To prevent malfunction resulting in injury, make sure to conduct regular inspections and follow the recommended maintenance schedule. In some cases, due to heavy use of the product and exposure to aggressive environment, more frequent inspections should be carried out. Local regulations and standards may be more stringent than the recommended maintenance schedule.



WARNING

To prevent injury, never perform maintenance while the product is used with a patient.

Care and maintenance must be carried out in accordance with the preventive maintenance schedule below.

Preventive maintenance schedule

CAREGIVER AND FACILITY OBLIGATIONS					
Actions	Before first use	Before every use	Every 2 months	Every 4 months	Every year
Lift device					
Inspect the ceiling lift for missing hardware or broken enclosure.	•	•			•
Inspect the lifting strap.		•	•		
Inspect if pass-through hook has any damage (seems loose or you notice cracks).		•			
Make sure the battery is charged.		•			
Inspect the folding sling supports on the strap of the lift for damage or cracks.					•
Inspect wheels in rail for damage, rust or cracks. Replace if damaged.					•
Clean the rail.				•	
Actions by qualified service personnel only					•
Sling and hardware					
Check all sling attachments for sign of wear.		•			
Inspect sling material for wear or deterioration.		•			

CAREGIVER AND FACILITY OBLIGATIONS

Actions	Before first use	Before every use	Every 2 months	Every 4 months	Every year
Inspect sling straps for wear.		•			
Inspect for any defects or loose threads in the “stitched areas”.		•			
Clean sling as indicated on the tag.	When necessary				
Verify emergency stop button.				•	
Verify emergency lowering device.				•	

Actions by qualified service personnel only



WARNING

To prevent injury and/or unsafe product, the maintenance activities must be carried out at the correct frequency by qualified service personnel using correct tools, parts and knowledge of procedures. Qualified service personnel must have documented training in maintenance of this product.

The product must be serviced in accordance with the Maintenance and Repair Manual. The caregiver/facility obligations should also be performed during the yearly service.

ACTIONS BY QUALIFIED SERVICE PERSONNEL ONLY

Action	Every year	Every 2 years
Replace strap.		•
Inspect the welding aspect on the frame to detect cracks.	•	
Inspect transmission.	•	
Inspect connecting joints for proper attachment.	•	
Verify that the emergency brake on the drum is turning freely.	•	
Verify emergency devices for good functioning.	•	
Load test with SWL (maximum working capacity).	•	



WARNING

Always reinstall the rail end stoppers (if removed) after servicing. These stoppers are part of safety feature. Not having them in place can cause the trolley to fall off the rail and a patient fall.



WARNING

Make sure the trolley is compatible with the stoppers and rail system.

Before every use

The following procedures must be followed before each use:

- Inspect the lift for any damage. If the lift casing does not look properly aligned, or there are any cracks or other damage on the lift, or there are parts missing, do not use it. Contact your Oxford Healthcare agent to have the lift serviced.
- Inspect the strap for any visible signs of wear, frays, loose threads or other damage (see Strap inspection on page 20). If there is any evidence of damage, do not use it. Contact your local Oxford Healthcare agent to have the lift serviced.
- Charge the batteries. Connect the lift to the charger whenever the lift is not in use.
- Inspect the sling for tears, frayed straps or loose stitching. If the sling has any of the above damage, do not use it. Contact your local Oxford Healthcare agent to have the sling replaced or repaired.
- Inspect the folding supports for any signs of cracking or damage. Inspect the carabiner at the top of the strap to make sure that it is properly attached.

Strap inspection



WARNING

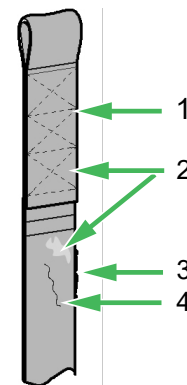
If there is any sign of wear as indicated in this instruction or any other visual defects, the strap must be inspected by qualified personnel and changed if required.

The manufacturer recommends changing the strap at least every 2 years or every 2850 cycles—which ever comes first.

By continuing to use the lift without changing a damaged strap, the safety of the caregiver or patient is greatly compromised.

If the strap is damaged or shows signs of wear or discoloration, the acceptable load on the strap before rupture can drop rapidly and present a danger for the patient or caregiver. recommends a thorough inspection of the straps every 2 months as follows:

1. Completely unwind the strap.
2. Look for any signs of wear or discoloration such as loose threads in stitched areas (1), noticeable discolouration (2), fraying, edge wear (3) or middle wear (4).



Handling and storage

Fold in the supports to facilitate the transport and storage of the lift.

Avoid violent impacts while transporting the lift.

The lift should not remain stored for long periods of time without recharging the batteries.

NOTE

Even if the lift is not used, Oxford Healthcare recommends charging the batteries at least every 2 weeks. This will prevent premature aging of batteries.

If you store or ship the ceiling lift, make sure that the power is turned off (emergency button pushed in) beforehand.

Verification of the charger's power source

If the light does not illuminate when there are batteries correctly installed in the ceiling lift, try the following.

- Make sure that the charger is correctly plugged into the AC outlet.

- Make sure that the charger connector is properly connected to the unit.
- Check the power of the AC outlet on the wall.
- If the charger indicator (yellow) does not light up, contact your local Oxford Healthcare agent for assistance.

Battery replacement

Replace the batteries when there is a noticeable reduction in the number of transfers that can be done between charges. If you hear the ceiling lift beeping, see the instructions in Troubleshooting on page 22 to determine if there is a problem with the batteries.

For battery replacement, contact your local Oxford Healthcare agent.

CAUTION

Do not attempt to use a battery that was not supplied by Oxford Healthcare. Batteries are specially designed for Oxford Healthcare charging systems. Attempting to use an unauthorized battery may seriously damage the lift and/or the charger.

Maintenance requirements

The ceiling lift is equipped with an electronic monitor that causes a red light to flash when a maintenance inspection is necessary. Arranging for scheduled inspections ensures the durability of the unit and the security of both patient and user.

Once that red light begins to flash, please contact your local Oxford Healthcare agent in order to perform the necessary maintenance inspection.

Sling inspection and care

See the documentation that comes with the sling.

Troubleshooting



WARNING

Do not attempt to open the ceiling lift cassette. Only a qualified technician is authorized to open it. Alterations made to the portable lift by someone other than a qualified technician may cause serious injury.

PROBLEM DESCRIPTION	ACTION
The red “service” light is on and flashing.	Contact your local Oxford Healthcare agent for maintenance.
The unit starts and stops repetitively.	• If the load is greater than the unit’s safe working load, it will not function due to an overload protection on the motor. • Batteries are low and need to be changed. Contact your local Oxford Healthcare agent.
The lift emits a “beep” during use. The unit may stop lifting the patient but can still lower the patient.	Batteries are low and need to be recharged.
Charger indicator on the lift (yellow) does not light up when the charger is connected to the lift.	Check that the charger is plugged into a standard electrical outlet, and that the outlet has power.
The lift does not work when you press the buttons on the hand control.	• If the emergency stop is activated, gently release the emergency button. • Check if the buttons on the lift are working. If they are working, the problem may come from the hand control. If they are not working, check the charge on the lift. • Check to see if the hand control is plugged in properly into the lift. The hand control may be slightly pulled out from its socket and yet appear as though it is plugged in. Check the connection. • If, after testing all of the above, the lift will not operate, contact your Oxford Healthcare agent.

Technical specifications

PRODUCT INFORMATION	
Weight, complete	6.5 kg (14.3 lb)
Lifting capacity (SWL)	200 kg (440 lb)
Strap length	2200 mm (88 in)
Lifting speed	4.3 cm/s (1.7 in/s)
Operating force of control	<5 N

ELECTRICAL DATA	
Duty cycle	Max 10 %, 6 min/hour, 1 minute continuously
Rating	24 VDC, 10 A max.
The A-weighted sound power level	54 dBA max.
Medical equipment	Type BF protection against electrical shock in accordance with IEC 60601-1



WARNING

Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm to any part of the Voyager Portable 200, including cables specified by the manufacturer. Otherwise, performance degradation of this equipment could result.

See Electromagnetic compatibility on page 29 for more details.

BATTERIES AND CHARGER UNIT	
Battery type	Qty 2 x rechargeable 12 VDC
Battery capacity	2.3 Ah
Degree of protection - hand control	IPX7
Degree of protection - Ceiling lift	IP21
Lift - protection class - shock prevention	Internally powered equipment
Nominal battery charger input	100-240 VAC, 50-60 Hz, 500-700 mA
Nominal battery charger output	24 VDC, 1 A
Battery Charger safety protection	Class 2, double insulated

OPERATION AND STORAGE CONDITIONS	
Ambient temperature range	Operation: 5 °C to 40 °C (41 °F to 104 °F) Storage: -25 °C to + 70 °C (-13 °F to 158 °F)
Relative humidity range	Operation: 15 % to 93 %, Non-condensing Storage: 0 to 93 %, Non-condensing
Atmospheric pressure range	Operation: 700 hPa to 1060 hPa (2000 m Max) Storage: 500 hPa to 1060 hPa

Continued on next page

OPERATION AND STORAGE CONDITIONS



WARNING

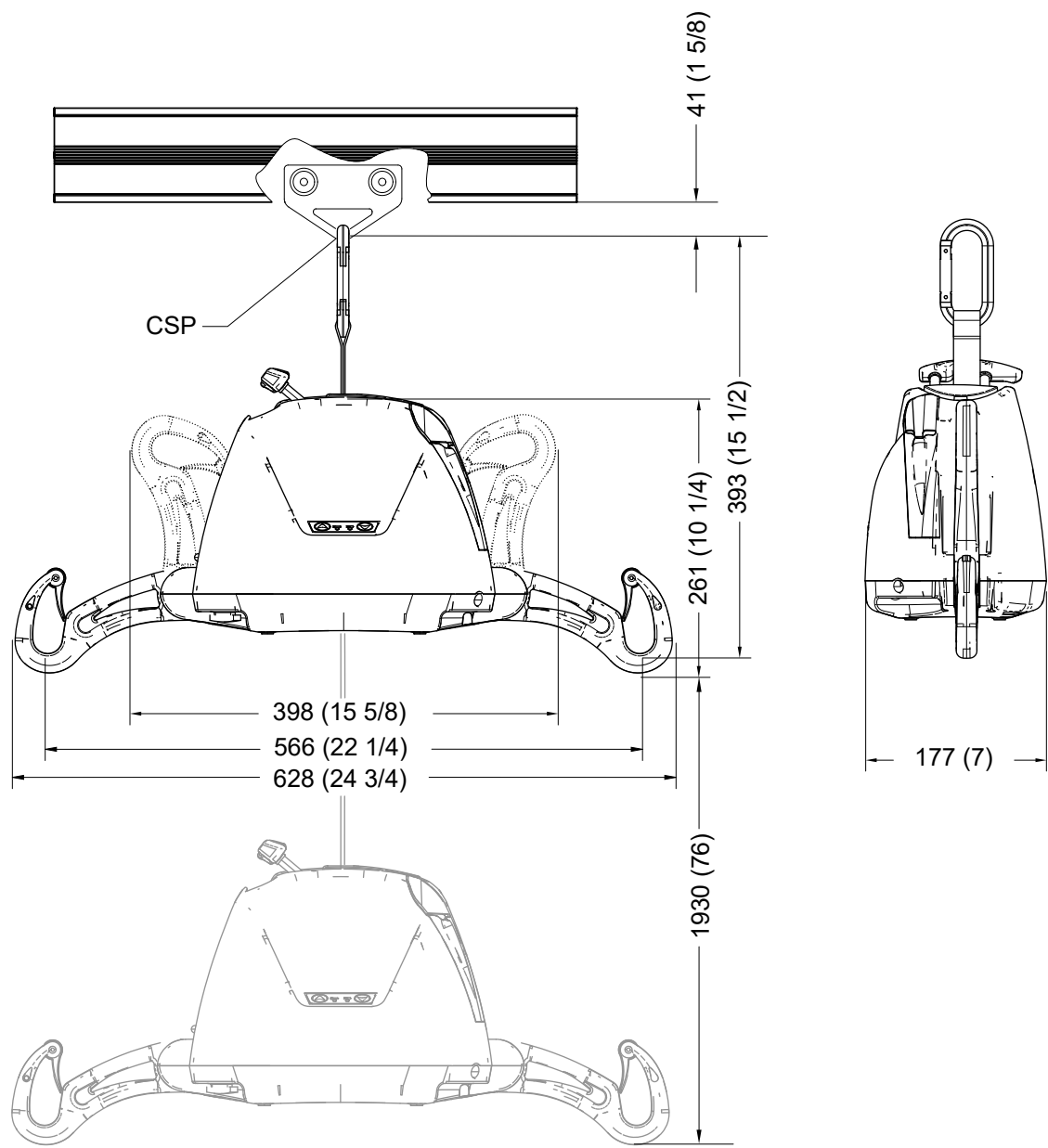
This product is not suitable in the presence of flammable anesthetic mixtures with air or oxygen, or with nitrous oxide. Using the ceiling lift in this environment might lead to an explosion. The ceiling lift might create some spark internally and ignite the gas.

END OF LIFE DISPOSAL

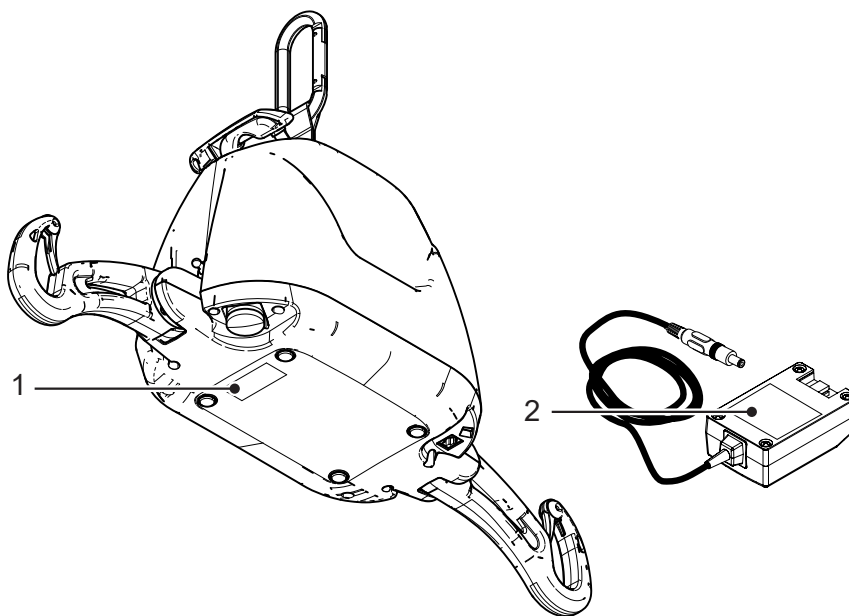
Battery	Sealed lead-acid, rechargeable, recyclable. All batteries in the product must be recycled separately. Batteries are to be disposed of in accordance with national or local regulations. If not they may explode, leak and cause personal injury. When returning batteries, insulate their terminals with adhesive tape. Otherwise, the residual electricity in used batteries may cause fire or explosion.
Package	Corrugated cardboard, recyclable. Expanded polystyrene (EPS), recyclable.
Product	Components that are primarily made up of different kinds of metal (containing more than 90 % metal by weight) for example sling bars, rails, upright support etc., should be recycled as metals.
Electrical and electronic components	Lift systems that have electrical and electronic components or an electrical cord should be disassembled and recycled per Waste of Electrical and Electronic Equipment (WEEE) or in accordance with national or local regulations.
Slings	Slings including stiffeners/stabilizers, padding material, any other textiles, polymers or plastic materials etc. should be sorted as combustible waste.

Dimensions

Measurements in mm (inches).



Labels

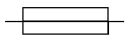


1. Serial number label

2. Charger information

SYMBOL EXPLANATION

	Refer to instruction manual/ booklet - Instructions for use should be read. White character on blue background.
	CE marking indicating conformity with European Community harmonised legislation. (Product without scale)
	Certified by the Canadian Standards Association.
	Name and address of the manufacturer. May also indicate manufacturing date.
	Manufacturing date
	Indicates that the product is a Medical Device according to EU Medical Device Regulation 2017/745.
	Unique device identifier
	Serial number
	Catalogue number
	Separate electrical and electronic components for recycling in accordance with the European Directive 2012/19/EU (WEEE)
	Recyclable
	Type BF Applied part: Protection against electrical shock in accordance with IEC 60601-1.

SYMBOL EXPLANATION	
SWL	Safe Working Load
IP21	2: Protected against access to hazardous parts with a finger. Protected against solid foreign objects of diameter 12.5 mm and greater. 1: Protected against vertically falling water drops.
IPX7	X: The protection against ingress of solid foreign objects is not specified for this product. 7: Protected against the effects of temporary immersion in water.
==	Direct current
	Safety warning. Failure to understand and obey this warning may result in injury to you or others. Yellow triangle.
	Fuse
	Alternating current
	Class II electrical equipment
	For indoor use only
	The charging module must be kept dry
	The charging module complies with Product Safety Appliance & Material Standards.
	The charging module's operator's manual should be read before continuing the operation.
	The charging module is certified by the Slovenian Institute of Quality and Metrology.
	The charging module complies with European Norms Electrical Certification
	The charging module is certified by TUV Rheinland.

UNITED KINGDOM	
	This section is only applicable to United Kingdom (UK) market when UK marking is applied to the Oxford Healthcare medical device labelling. UK marking indicating conformity with UK Medical Devices Regulations 2002 (SI 2002 No 618, as amended).
	UK Responsible Person: Arjo (UK) Ltd, ArjoHuntleigh House, Houghton Regis. LU5 5XF Is the appointed UK Responsible Person as defined in UK Medical Devices Regulations 2002 (SI 2002 No 618, as amended). UK Importer/Distributor: Oxford Healthcare Ltd, Drakes Broughton Business Park, Worcester Road, Drakes Broughton, Pershore, Worcestershire. WR10 2AG For Northern Ireland (NI) CE marking will still apply until further amendment to applicable regulations.

Electromagnetic compatibility

Voyager Portable 200 has been tested for compliance with current regulatory standards regarding its capacity to block EMI (electromagnetic interference) from external sources.

Nonetheless, some procedures can help reduce electromagnetic interferences:

- Ensure that other devices in patient-monitoring and/or life-support areas comply to accepted emissions standards.
- Maximize the distance between electro-medical devices. High-powered devices may produce EMI that can affect the ceiling lift.

For more information on how to manage the unit’s RF electromagnetic environment, please consult the AMI TIR 18-1997 - Guidance on Electromagnetic Compatibility of Medical Devices for Clinical/Biomedical Engineers.

**WARNING**
Use of accessories, cables and spare parts other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

**WARNING**
The equipment may cause radio interference or may disrupt the operation of nearby equipment. It may be necessary to take action, such as reorienting, relocating the equipment or shielding the location.

**WARNING**
Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

The ceiling lift is intended for use in the electromagnetic environment specified below. The customer or the user of the ceiling lift should assure that it is used in such an environment.

GUIDANCE AND MANUFACTURER’S DECLARATION - ELECTROMAGNETIC EMISSIONS FOR ALL EQUIPMENT AND SYSTEMS		
Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1 Class B	The equipment uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.

Continued on next page

GUIDANCE AND MANUFACTURER'S DECLARATION - ELECTROMAGNETIC EMISSIONS FOR ALL EQUIPMENT AND SYSTEMS

Emissions test	Compliance	Electromagnetic environment - guidance
Conducted emissions CISPR 11	Group 1 Class B	The equipment is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Complies	

GUIDANCE AND MANUFACTURER'S DECLARATION - ELECTROMAGNETIC IMMUNITY FOR ALL EQUIPMENT AND SYSTEMS

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2, 4, 8, 15 kV air	±8 kV contact ±2, 4, 8, 15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	±2 kV, AC Mains ±1 kV, I/O Port 100 kHz repetition frequency	±2 kV, AC Mains ±1 kV, I/O Port 100 kHz repetition frequency	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±2 kV, AC Mains, Line to Ground ±1 kV, AC Mains, Line to Line	±2 kV, AC Mains, Line to Ground ±1 kV, AC Mains, Line to Line	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips on power supply input lines IEC 61000-4-11	0 % U_T ; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % U_T ; 1 cycle and 70 % U_T ; 25/30 cycles Single phase: at 0°	0 % U_T ; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % U_T ; 1 cycle and 70 % U_T ; 25/30 cycles Single phase: at 0°	Mains power quality should be that of a typical commercial or hospital environment.
Voltage short interruptions on power supply input lines IEC 61000-4-11	0 % U_T ; 250/300 cycle	0 % U_T ; 250/300 cycle	Mains power quality should be that of a typical commercial or hospital environment.
NOTE: U_T is the AC mains voltage prior to application of the test level.			
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m 50/60 Hz	30 A/m 50/60 Hz	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

GUIDANCE AND MANUFACTURER'S DECLARATION - ELECTROMAGNETIC IMMUNITY FOR ALL EQUIPMENT AND SYSTEMS

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Conducted RF IEC61000-4-6	3 V outside ISM bands between 0.15-80 MHz 6 V inside ISM and amateur radio bands between 0.15-80 MHz	3 V outside ISM bands between 0.15-80 MHz 6 V inside ISM and amateur radio bands between 0.15-80 MHz	N/A
Radiated RF IEC 61000-4-3	10 V/m 80 MHz to 2.7 GHz	10 V/m 80 MHz to 2.7 GHz	N/A
Proximity fields from RF wireless communications equipment IEC61000-4-3	380 - 390 MHz 27 V/m; PM 50%; 18 Hz 430 - 470 MHz 28 V/m; (FM ± 5 kHz, 1kHz sine) PM 50%; 18 Hz 800 - 960 MHz 28 V/m; PM 50%; 18 Hz 1700 - 1990 MHz 28 V/m; PM 50%; 217 Hz 2400 - 2570 MHz 28 V/m; PM 50%; 217 Hz 5100 - 5800 MHz 9 V/m; PM 50%; 217 Hz 704 - 787 MHz 9 V/m; PM 50%; 217 Hz	380 - 390 MHz 27 V/m; PM 50%; 18 Hz 430 - 470 MHz 28 V/m; (FM ± 5 kHz, 1kHz sine) PM 50%; 18 Hz 800 - 960 MHz 28 V/m; PM 50%; 18 Hz 1700 - 1990 MHz 28 V/m; PM 50%; 217 Hz 2400 - 2570 MHz 28 V/m; PM 50%; 217 Hz 5100 - 5800 MHz 9 V/m; PM 50%; 217 Hz 704 - 787 MHz 9 V/m; PM 50%; 217 Hz	N/A



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