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BEST FOR LESS

Rev. 1

InoLift 625 User Manual



Please also visit our website to view our other products, www.inovihealth.com

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Revision History

Rev. 1	Initial Document Release	Jack Demarest/Jon Winer	April 1, 2020

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General Information

About the product

The InoLift 625 is designed and built to make the most demanding tasks easy and safe. Class leading lifting height allows caregivers to lift patients from as low as the floor while still giving maximum clearance over the tallest bedframes. The standard power leg opening actuator makes it effortless to maximize a stable, secure platform to suit all environments. Built with the highest quality components, the InoLift is built to last.



General Information

Safety Information

WARNING: Do not exceed weight capacity of lift or sling.

WARNING: Untrained people can cause injury or be injured. Only trained persons can operate the lift. Refer to Manual for safe operation. Improper operation can cause injury.

WARNING: Inspect sling visibly prior to each use to ensure sling is the right type, size and design to handle lifting the patient. Inspect the sling for damage, rips or tears, discoloration or past its useful life (i.e. single patient for a disposable sling); that the sling's straps are correctly attached to the spreader bar, and that the sling is tested with patient at 1-2 inches over chair or bed prior to lifting further. Also perform a visible inspection of the spreader bar and lift to ensure all bolts are tight. Never leave a patient unattended in a lift.

WARNING: An actuator failure may cause serious injury. Comply with actuator service inspections requirements.

WARNING: Operator shall maintain control of the lift. Operate the controls, and direct any helpers. Helpers can cause injury or be injured.

Improper maintenance including, without limitation, improper actuator inspection and replacement can cause serious injury. Poor lift condition can cause serious injury. Maintain the lift only as described in this manual

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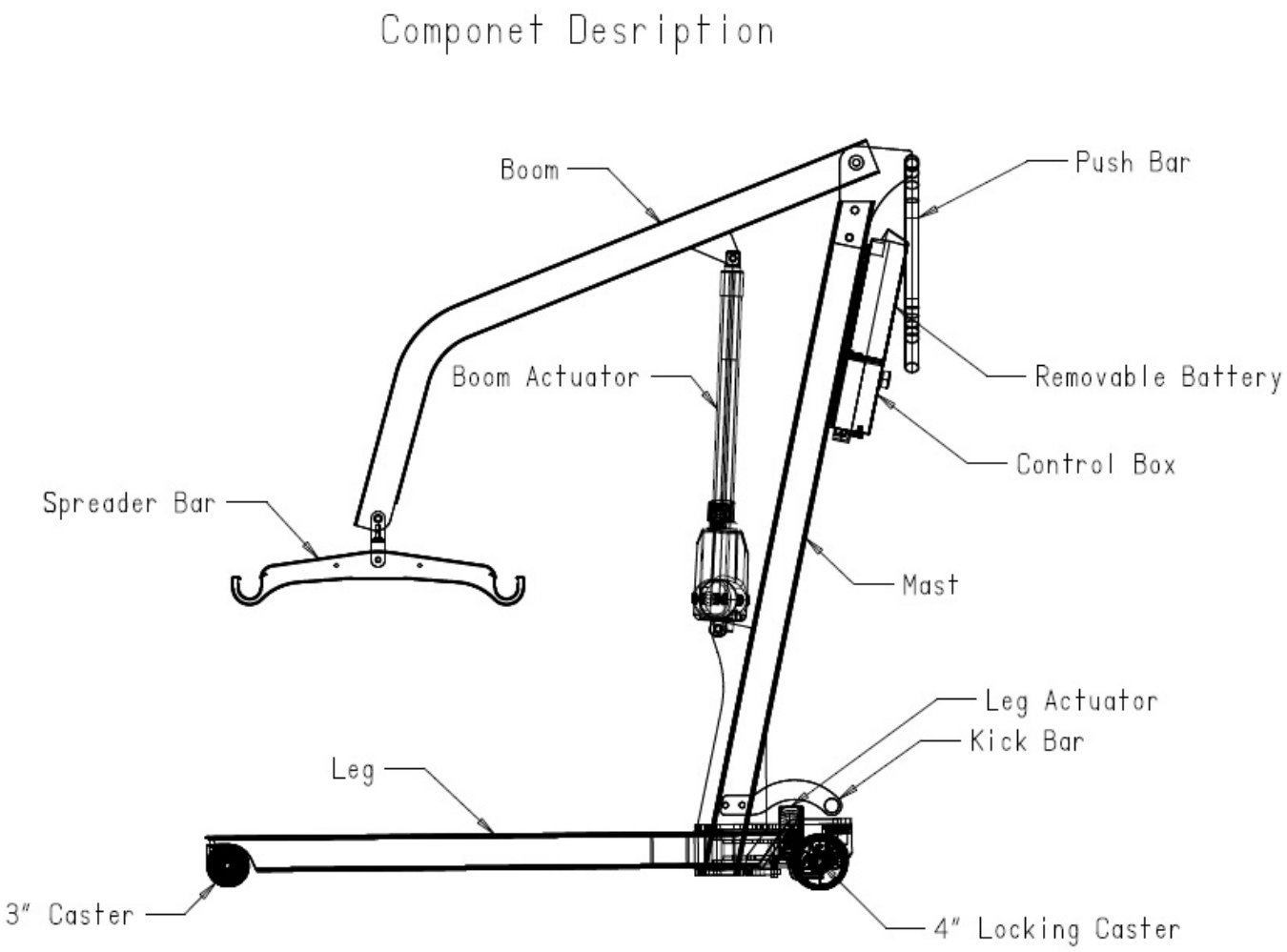
Improper parts / service can cause injury and void warranty. Use only Mfr authorized parts installed by trained personnel.

WARNING: See manual for Charging the lift batteries. Electric shock can cause death or serious injury.

WARNING: Improper use can cause the lift to tip when transporting a patient if the lift makes a sudden stop during forward motion or lifting without the patient centered under the lift. Caregivers should limit the distance a patient is transported in lift whenever possible.

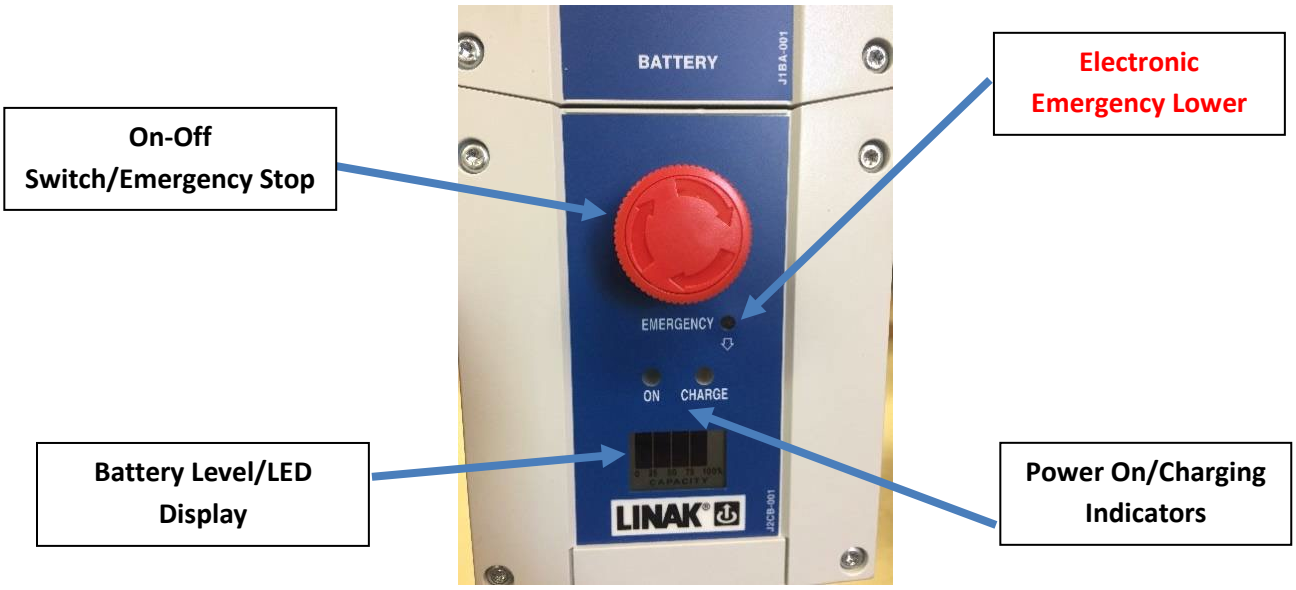
Parts Designation

Terminology



Product Description

Functions



On/Off Switch (Emergency Stop)

To turn power on, rotate the red button to the right (clockwise) a quarter of a turn. This will allow the button to pop outward. Then press any function button. Simply push the red button in to turn power off. This switch is also used in the case of an emergency. The lift can be stopped immediately by pressing the red button in.

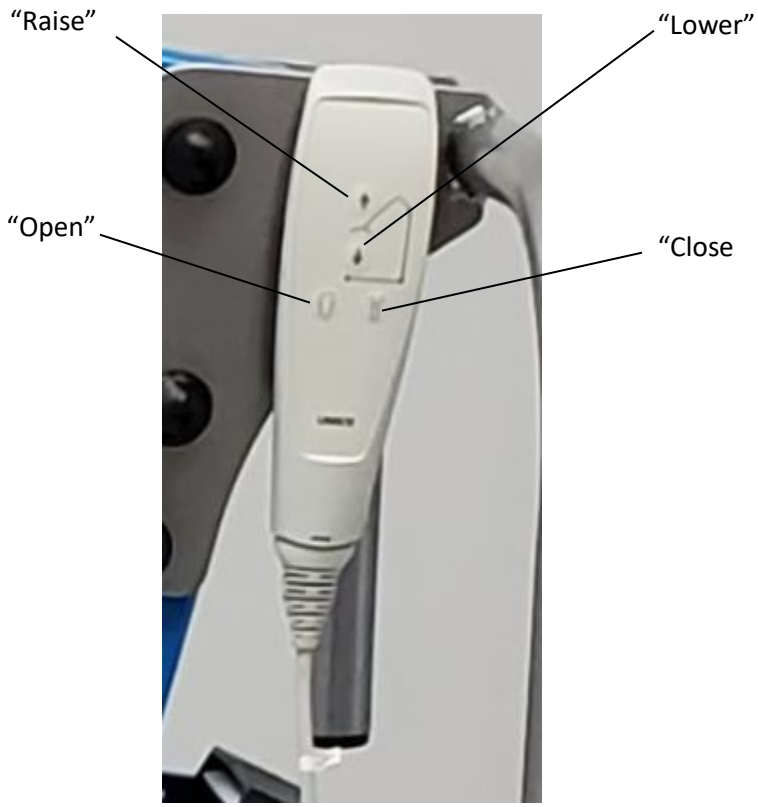
Battery Level / LED Display

The LCD display on the Battery provides two types of information to the caregiver. When the lift is on, the screen will display battery capacity. The reading should always be in the “green zone”. If the level falls between yellow and red, an alarm will sound and the lift should be charged immediately. The “Smart Charge” battery charger included prevents the lift from overcharging. Batteries will become permanently depleted if frequently drained into the yellow or red zones.

Product Description

Pendant/Hand Control

Press the top button with an Up arrow on the pendant to raise the boom. To lower the boom, press the button with the Down arrow. To widen the lift base, press the lower left pendant button. To close the base, press the lower right-hand pendant button.



Product Description

Safety Features

In the event the actuator will not go down and the patient is suspended, raise a bed or chair high enough to safely support the patient to allow you to detach the sling if possible. If this is not possible, attempt Electronic Emergency "E Down"

Electronic Emergency "E Down" Control:

- As pictured above, a pencil or pen can be inserted into the recess to the right of the word "Emergency↓" to lower the resident (see page 6).
- The unit must have battery power in order to enable this lowering method.
- If this process of lowering is ever enacted, it is highly recommended that a qualified service technician evaluates the device afterwards to ensure proper performance.

Mechanical Emergency Lowering

- Should the Electronic Emergency "E Down" fail to work, Mechanical Emergency Lowering should be attempted
- Locate red handle located on the lift actuator (shown below)
- Lift handle gentle to allow boom to slowly lower
- To stop motion simply release handle
- At times it may be required to exert a small force down on the boom to start the Mechanical Emergency Lowering Process
- If this process of lowering is ever enacted, it is highly recommended that a qualified service technician evaluates the device afterwards to ensure proper performance.



Product Description

Battery

There are two methods of charging the InoLift detailed below. The user's environment and habits will dictate the ideal method of charging.

Charging battery while on lift

1. Choose a suitable, safe location to place the lift near an AC power outlet.
2. Lock the rear casters.
3. Extend the power cord and plug into a 110V AC power outlet.
4. It is ideal to charge the lift whenever not in use to ensure battery charge is optimal at all times.
5. When charging is complete, relocate the AC cord to its storage area on the lift. Never pull the AC cord to unplug the lift
6. **Note—the lift will not operate while it is being charged**.

Charging battery remotely (wall-station optional)

1. Your lift is equipped with a removable battery pack system. Remove the depleted battery from the lift by lifting it straight up and then pulling it away from the lift.
2. Replace with a fully charged battery.
3. Charge depleted batteries in a wall mounted charging station.



IMPORTANT: Fully discharging the batteries reduces battery life. Charge the batteries regularly.



IMPORTANT: The lift should be charged whenever it is not in use. Never move the lift while it is being charged. Doing so will result in damage to the lift.

Lifting a Patient

IMPORTANT: **Wheels on lift should never be locked when raising or lowering patient**

Raising a patient

1. If the patient is being lifted from transfer chair or a wheelchair, make sure brakes on the chair or bed are locked.
2. Turn the ON/OFF switch to the "ON" position (Large red button "out").
3. Ensure the patient is in proper position to be lifted and the correct sling has been placed underneath the patient.
4. Legs of lift should be spread to widest position, whenever possible, to maximize lift stability during the patient transfer. More information available on page 12 regarding leg position.
5. Press the down button on the hand control to position the spreader bar in a low enough position to attach the sling loops to the spreader bar
    a. To lift the patient in a seated position, use a shorter set of loops at the shoulders and a longer set of loops at the legs. This places the patient's head higher than their legs.
    b. To lift in a reclined position, use a longer set of loops at the shoulders and a shorter set of loops at the legs. This will allow the patient's head to be level with their legs.
6. After confirming the sling is properly attached to the spreader bar, begin lifting patient using the up button on the pendant.

IMPORTANT: Lift patient/patient 1-2 inches over bed or chair, stop and then check that all straps, sling fabric and loops are secure and the patient is comfortable.

IMPORTANT: Wrong sling size can allow patients to fall out.

Lifting a Patient

IMPORTANT: **Wheels on lift should never be locked when raising or lowering patient**

Lowering a Patient to a Bed

1. Roll the legs under the bed, and position the patient over the bed.
    a. Ensure the wheels (if equipped) on the bed are locked prior to lowering patient.
2. Raise the bed rail on opposite side of bed (if applicable)
3. Lower the patient slowly to the bed. Once the patient is fully supported by the bed and the sling loops become slack enough to be unhooked from the side bars, disconnect the sling from the lift.
4. Remove sling from underneath patient (if required), typically using the “log roll” method

Lowering a Patient to a Chair

1. Roll the legs of the lift under or around the chair while positioning the patient centered in the seat and slightly biased towards the backrest.
    a. Ensure the wheels (if equipped) on the chair are locked prior to lowering patient.
2. Slowly lower patient into the chair
    a. Second caregiver should be positioned adjacent to the patient in order to position patient properly in the chair
3. Once the patient is fully seated, lower the spreader bar enough to easily remove the sling loops
4. Remove sling from underneath patient (if required)

IMPORTANT: There will always be enough battery power to lower a patient in case the batteries are exhausted with a patient in the lift. This is a safety feature of the lift.

Lifting a Patient

Transporting a Patient

1. Ensure the lift is on a smooth, unobstructed surface when transporting a patient.
2. Should normally have two attendants when transporting a patient.
3. Move the lift by holding the push handles and pushing in the desired direction.
4. **Do not** move lift by pushing or pulling boom, this may compromise lift stability

Lift Leg Positioning

Legs **SHOULD** be opened whenever possible, especially:

- To allow access around chairs, toilets or other impediments.
- To increase stability particularly with heavier patients.
- It is recommended to have legs open when lifting or lowering if possible, though not required except as set forth below;

Legs **MUST** be opened at the following times:

- For use with a walking harness
- For patients who are active or make sudden movements

WARNING: FAILURE TO ADHERE TO THE FOLLOWING PRECAUTIONS ON MOBILE LIFT LEG POSITIONING CAN RISK SERIOUS INJURY TO BOTH PATIENT AND STAFF.

Maintenance & Care

Maintenance Information

All lifts are subject to wear and tear. Inspect and adjust the lift upon receiving. Daily, monthly, and yearly inspections and adjustments are to be done by a qualified technician. Inspections are required to uncover signs of damage, wear or potential failure. Inspections should be recorded and include, but not limited to, the date, model and serial number, findings, corrective measures, date of inspection, name, and signature of the person performing the inspection. Should an inspection uncover any issues that could cause an accident and/or injury, the lift must be removed from service immediately. The lift should remain out of service until it is repaired by qualified personnel. All inspection records should be saved for future reference.

WARNING: MAINTENANCE AND SERVICE MUST BE DONE BY A QUALIFIED TECHNICIAN, FULLY TRAINED IN SERVICING PROCEDURES BY INOVI HEALTHCARE.

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InoLift 625 Inspection Checklist

Date: _____ **Model #:** InoLift 625

Facility: _____ **Serial #:** _____

Component	Pass	Repair	Comments
ACTUATOR			
Inspect actuator mounting points for cracks or defects			
Inspect actuator inner and outer tube for any damage			
Inspect actuator housing for any damage			
Inspect actuator for excessive noise			
Inspect actuator for convulsive movement			
Test lift actuator anti-entrapment			
Test lift actuator Emergency Down function			
OPERATIONS			
Test caster locking function			
Test caster maneuverability			
Inspect leg opening actuator (if applicable)			
Test leg open / close function			
Inspect tie rods / leg motion assembly			
Check spreader bar condition			
Check spreader bar retaining clips (if applicable)			
ELECTRICAL			
Test scale (if applicable)			
Test battery output			Voltage readings:
Test charger output			Voltage readings:
Test primary control functions			
Test secondary control functions (if applicable)			
Inspect power cord			
MISCELLANEOUS			
All fasteners present and properly torqued			
Are all components present?			
Is there any visual damage?			
Inspection sticker			
OTHER RECOMMENDED INSPECTION POINTS (based on optional accessories)			

Inspector: _____ _____

Notes: _____

Troubleshooting

Problem	Solutions
The lift does not operate	• Make sure the lift is not plugged in • Check the On/Off switch position on battery cradle (On=Out) • Ensure battery pack is securely attached • Check charge level on LED display, charge or swap battery as necessary • Inspect connections on battery cradle • Contact Inovi Healthcare for additional support (844-321-5438 or service@inovihealth.com)
Lift does not charge	• Ensure battery pack is securely attached • Try charging lift at different outlet • Ensure power cord is securely attached to battery cradle • Contact Inovi Healthcare for additional support (844-321-5438 or service@inovihealth.com)
Only one function not working on lift	• Make sure the lift is fully charged • Visually inspect actuators and wiring for damage • Inspect connections on battery cradle • Inspect hand control and wiring for damage • Contact Inovi Healthcare for additional support (844-321-5438 or service@inovihealth.com)

Warranty

Limited Warranty

Inovi Healthcare, LLC warrants that the lift is free from defects in materials and workmanship under normal use as specified in the operations manual for three (3) years. Labor and parts are included for one year. The general warranty period does not include the following components, which have specific warranty periods:

- Actuators (two years, but no freight or labor after the first year),
- Batteries (ninety days),
- All electrical components hand controls (two years)

The warranty period for repaired or replaced products continues the original warranty coverage period which started from the original date of purchase.

Exclusions

Warranties will be in effect if the product has undergone standard preventive maintenance by a certified technician and the preventive maintenance is documented to have occurred at no more than yearly intervals. This limited warranty applies only to the products sold in the United States and Canada, and does not apply to equipment that has been damaged or rendered defective because of:

- Acts of God, accident, misuse, neglect or abuse
- Use of parts not manufactured or sold by Inovi Healthcare
- Modification without the written permission of Inovi Healthcare
- Service by anyone other than or an authorized agent
- Transit, neglect, misuse, power surge or bad operating environment
- Failure to operate in accordance with manufacturer's guidelines or any other improper
- operation or maintenance, or
- Any other cause not directly and primarily caused by defective material, workmanship or design

Replacement products or components will be invoiced as a replacement product or component, including freight. Upon receipt of parts by Inovi Healthcare, authorized to be returned, the replacement product or component will be fully credited if it is determined that the component is under warranty. This determination is at the sole discretion of the company.

Service performed as a result of these conditions will be subject to charges for labor, transportation, shipping and replacement parts. Examples of misuse include, but are not limited to cracked hand controls, electrical wires pulled from the unit and others.

Warranty Process

Customers can contact Inovi Healthcare via Email to inquire whether a product is under warranty by email: customerservice@inovihealth.com

Inovi Healthcare shall determine whether and how the Warranty applies including whether it shall:

1. Request the original purchaser ship the product prepaid freight to Copper House Holdings for inspection and determination of warranty coverage,
2. Ship replacement parts to authorized service personnel for replacement,
3. Make some other arrangement, or
4. Deny warranty coverage.

Before a product or component that is believed to be faulty is returned interaction with Inovi Healthcare service expert must take place to diagnose the issue and receive further instruction on processes to perform to rectify the problem.

If it is determined that the product or component is to be returned to the following conditions must be met:

- An RA (return authorization) is required and will be supplied by Inovi Healthcare.
- The product must be in its original packaging or packed sufficiently well so that no further damage to the product or component can occur during shipping.
- A shipping address will be provided by Inovi Healthcare.

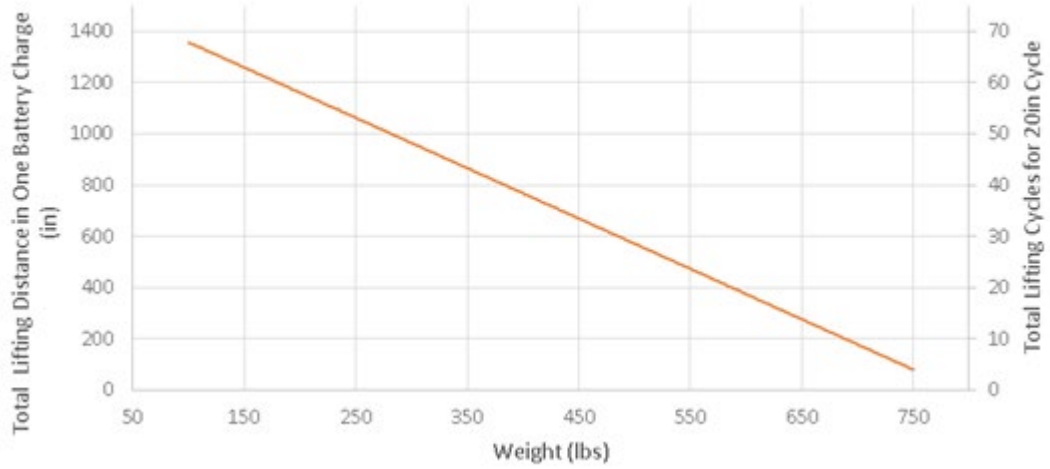
Products will be repaired at no cost if the product is under warranty. The company will repair the product with new or refurbished to be functionally equivalent to new parts. All parts replaced in the performance of service shall become the property of Inovi Healthcare. The product cannot be exchanged with a new product and the product cannot be refunded

Technical Specifications

Product Information

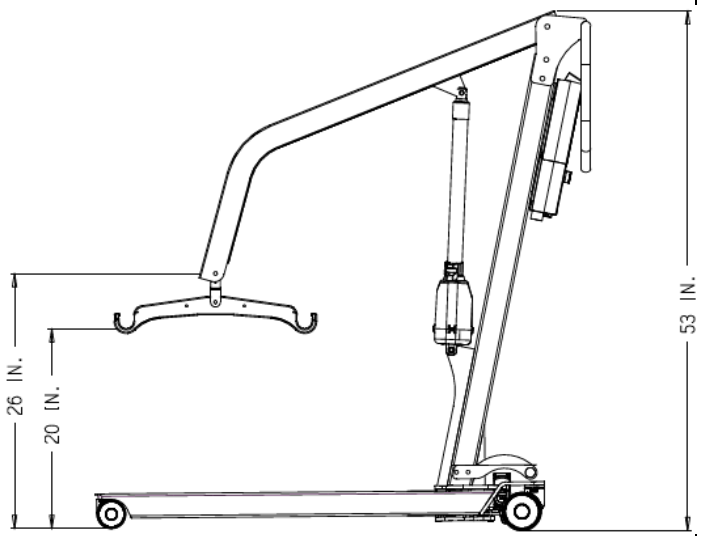
Operation:	Linak Linear Actuator
Safe Working Load:	Model InoLift 625 : 625lbs (284kgs)
Front Casters: Rear Casters:	3” Dual Wheel Tente (4” Single Wheel optional) 4” Dual Wheel Tente (5” Single Wheel optional)
Power Source:	Linak 24V Removable SLA Battery Pack (Li-Ion optional)
Charger:	24V CSA/UL Approved
Overall Weight:	110 lb / 50 kg
Construction:	Rectangular Steel Tubing
Finish	Polyester Powder Coat, Baked
Emergency Stop Switch	Standard
Emergency Up/Down Switch	Standard
Anti-Free Wheel Safety System:	Standard
Remote Hand Controller:	Standard
Warranty:	2-year Electronic, 5-year Frame

Battery Performance



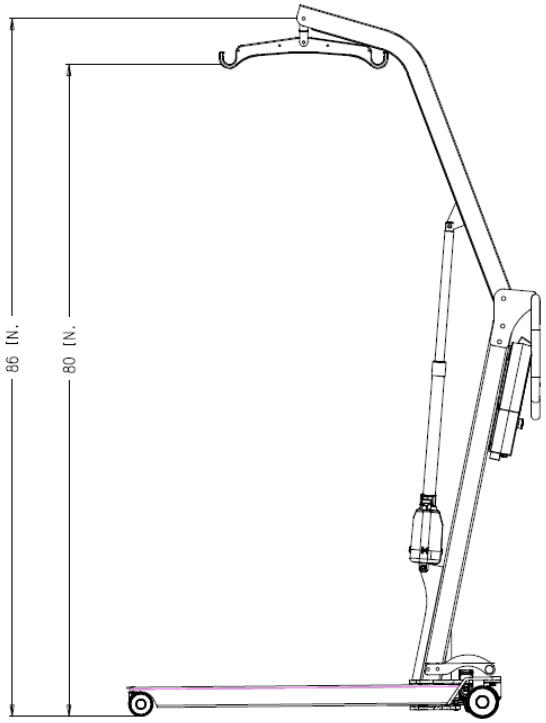
Technical Specifications

Boom Retracted



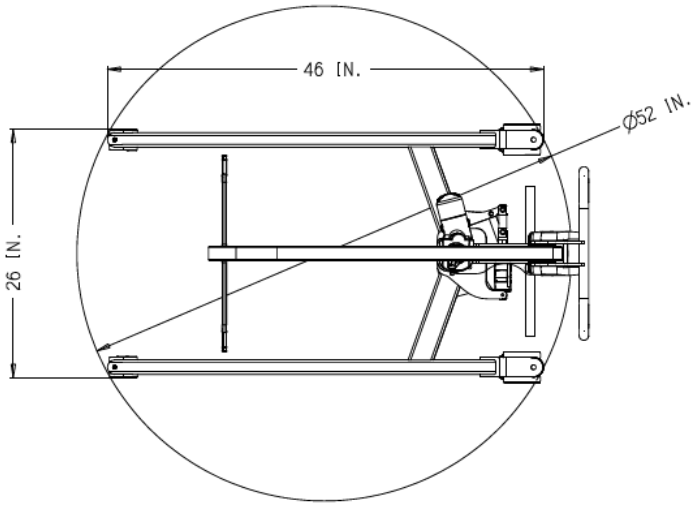
InoLift, 2 points spreader bar

Box Extracted



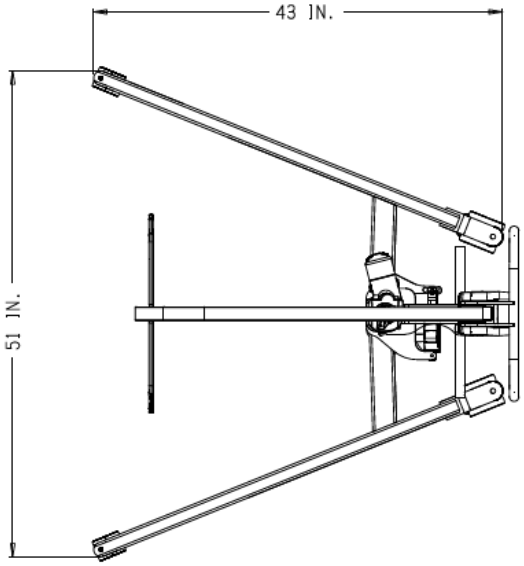
High-Lifter, 2 points spreader bar

Legs Closed



InoLift, 2 points spreader bar

Legs Open



InoLift, 2 points spreader bar

Parts & Service

Customer service and product support are important aspects of each Copper House Holdings product. For assistance with the lifts. Please contact Copper House Holdings Customer Service. Via email info.copperhouseholdings@gmail.com

Please have the serial number of your Inovi Healthcare product available when you email into Customer Service, and include it in all written documentations. To help better assist you.

SERIAL NUMBER _____

If you have any questions about this equipment,
Please contact Copper Inovi Healthcare or your local authorized dealer

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www.inovihealth.com



Manufactured in Canada/USA