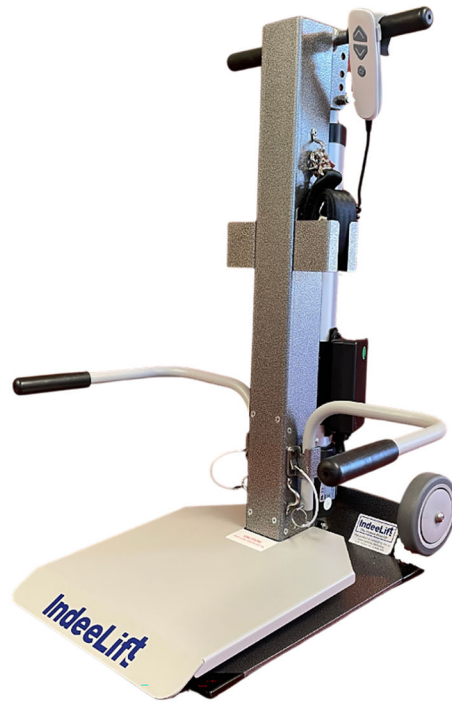


# IndeeLift®

*The People Picker Upper!*



## HFL-400-D USER'S MANUAL

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# HFL-400-D User Manual



Please read this entire manual *before* using the product and retain for future reference. **NOTE:** User's should also view the "IndeeLift HFL 300/400 Training Video", available on IndeeLift's YouTube channel.

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***IndeeLift – the first Human Floor Lift designed and engineered to alleviate the grief, hazards and hassles of recovering from a fall!***

# HFL-400-D User Manual

## Introduction:

The patented IndeeLift family of products have been designed to assist individuals with mobility challenges and their care providers. The rugged and reliable IndeeLift human floor lifts are purpose-built appliances designed and manufactured with CE, UL and ETL certified components with models available for use in home and care environments, professional healthcare and for emergency medical services.

The HFL-400-D Human Floor Lift is designed for self or assisted operation in the home or care centers. These appliances can lift a person from the floor without risk of injury to the fallen or anyone assisting them. As a fall recovery appliance, the HFL-400-D is extremely maneuverable and its small footprint allows fall recovery to occur in even the tightest of places. IndeeLift human floor lifts replace large and cumbersome sling-style lifts, helping fallen people to recover and get back on their feet quickly, while greatly reducing the associated risks.

## Overview:

This manual covers the HFL-400-D consumer model which is designed for use in the home and small businesses, (such as hospices, rehab and long-term care facilities). The HFL-400-D is engineered to lift a person weighing up to 400 pounds or 181kg and will be referred to as the HFL throughout this manual.

The HFL is operated with a wired remote control in a portable “roll-around” configuration. This state-of-the-art product was designed to easily lift mobility challenged individuals from the floor and can be self-operated or operated with the assistance of a helper, without injury to the fallen person or any helper.

**Self-Operation:** After a fall, the fallen person scoots over to the HFL, slides or tilts up onto the mounting ramp seat, pushes a button on the wired remote, activating the motor which raises them from the floor.

**Assisted Operation:** A helper can easily wheel the HFL to the fallen person and assist them onto the mounting ramp seat, if necessary. The helper then pushes a button on the wired remote, activating the motor which raises the fallen person from the floor.

Once up from the floor, the fallen person can take a deep breath and rest comfortably until they are ready to stand up and walk away or be directly transferred to a wheelchair, all without the risk of injuries related to the fall recovery.

***IndeeLift HFLs are covered by US and international patents including US 9,808,388, US 10,835,434 and EU 3151803***

# HFL-400-D User Manual

## HFL Features/Functionality:

The IndeeLift HFL is designed to meet the specifications and requirements of the Americans with Disabilities Act (ADA). The raised-seat height was dictated by the need to stand with minimal effort for the elderly and disabled. The ability to transfer directly to a wheelchair is accomplished by setting the seat height at 21 inches which allows a height difference of 1-2 inches for lift-free transfers to most wheelchairs.

### Small Footprint and Easy Portability

The HFL is a portable lift that is rolled around on wheels like a traditional dolly. The small footprint allows it to be positioned in many places other lifts simply cannot go. With a turning radius of 32", the HFL can go just about anywhere including all ADA accessible bathrooms, as well as most other bathrooms.

### Mounting Ramp Seat

The HFL patented design includes a mounting ramp seat that eliminates the need to ever "lift" a person manually. A user either scoots onto the lift using the front ramp or they can tilt up onto the seat with no complex cradles or harnesses to configure -- the HFL allows fall recovery to be simple and quick. A person who has fallen can be up from the floor to a normal seated position within one minute.

### Wired Remote

The wired remote has a 5' (1.5m) retractable cord, allowing the user or a helper to operate the lift. The wired remote has graphics indicating the up and down functionality. The wired remote is stored on the HFL's handles with the hanger clip.

### Adjustable and/or Removable Rise Handles

The rise-assist handles have been engineered to provide leverage for the seated party to assist in the process of standing once they are up from the floor. The arms can swing away from the seat if needed. They are also removable to allow for mount assistance or a direct transfer to a wheelchair or other destination -- with no lifting required.

### Securement Belts

Comes with two sets of securement belt assemblies which can be used together as waist and chest belts to secure the fallen person to the lift, as needed.

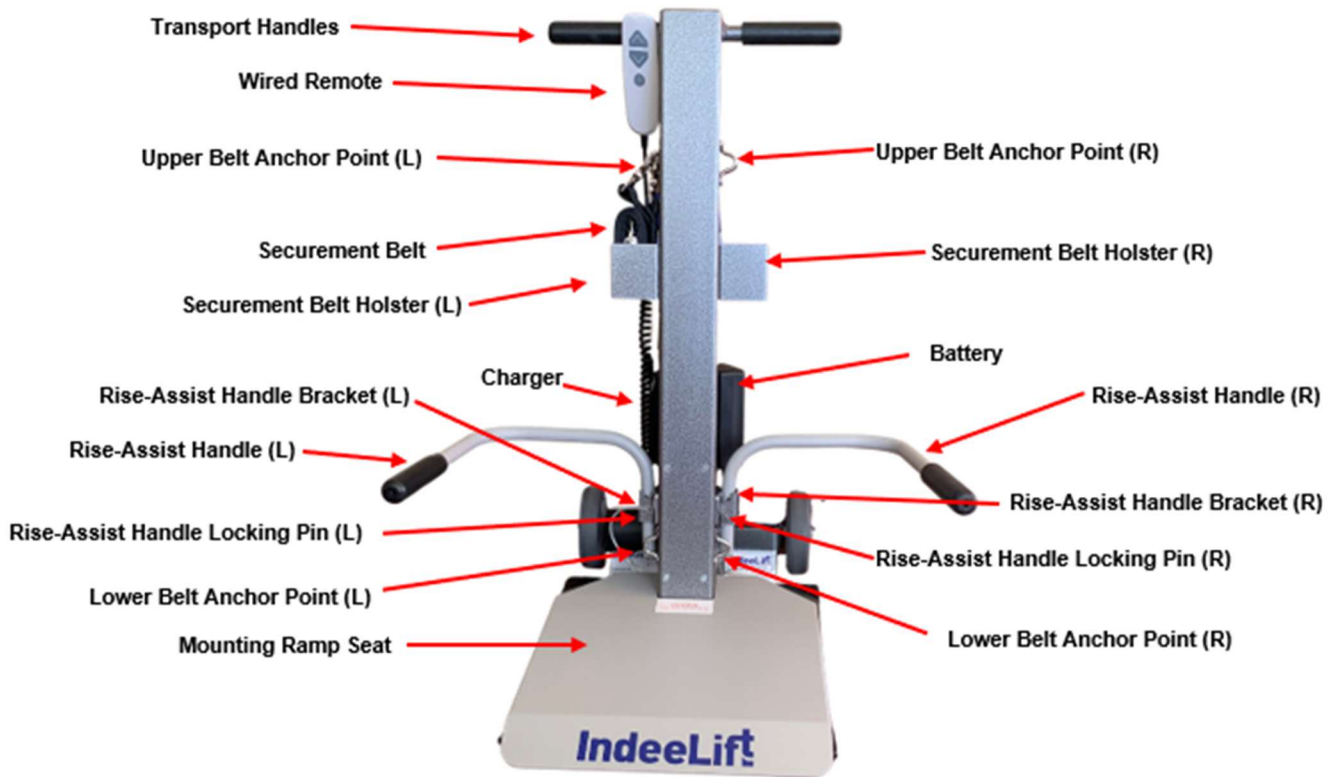
### Rechargeable Battery

The HFL comes standard with a rechargeable Lithium-Ion battery pack and charging unit. The HFL will operate at less-than-optimum performance when in need of charging. Charging is accomplished by plugging the charging unit's AC power cord into a standard AC wall power outlet, (see **Preparing the HFL-400-D for use** on Page 5). A full charge takes about eight hours.

NOTE: Lithium-Ion batteries offer lightweight, high-energy density, low memory effect and long-life. The charger automatically shuts off when charging is complete, which prevents over-charging. The battery should be charged in a clean, dry location, away from direct sunlight, sparks or flame. Failure to recharge the battery at least once every three months *may* result in the battery no longer accepting a charge. The battery should be fully charged before storing the HFL for extended periods. If the battery needs replacing, dispose of the old battery at a recycling center that accepts rechargeable batteries.

# HFL-400-D User Manual

## HFL-400-D Component Identification:



## Components and Controls:

### Wired Remote

The wired remote control is connected to the HFL with a coiled cord and is used to raise and lower the seat by pressing the up or down button. Raising or lowering the seat takes approximately 60 seconds. The wired remote has graphics indicating the up and down functionality. The wired remote is generally stored on the HFL's handles with the hanger clip. *Note: If intended for self-operation, the wired remote should be stored on one of the rise-assist handles (see **Self-Operation** on Page 6).*



### Rise-Assist Handles

The rise-assist handles provide support when standing from the seat. If desired, they can be swung away from the seat by lifting on them, then moving them away from the seat. They are also removable to allow a direct transfer to a wheelchair or other destination. *To remove a rise-assist handle, remove the locking pin at the bottom of the handle, (as shown), then lift the handle upward.*



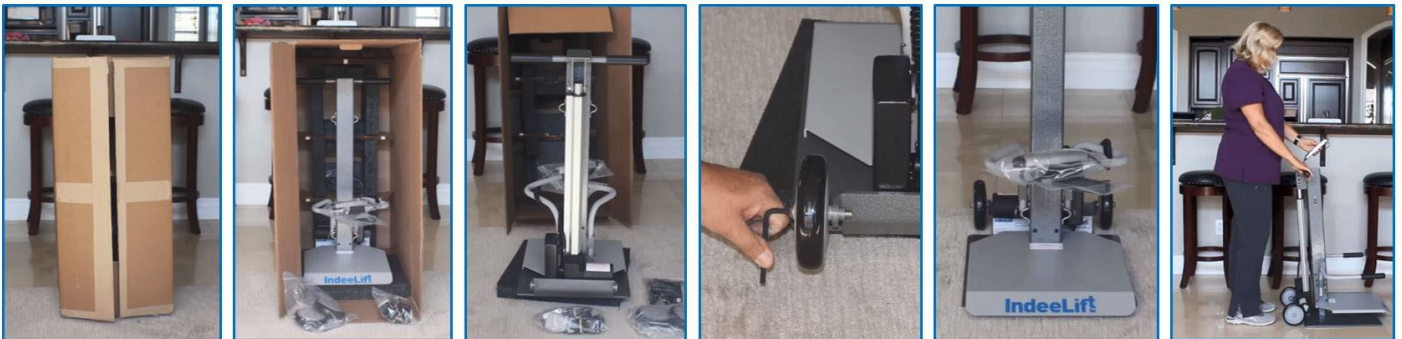
# HFL-400-D User Manual

## Preparing the HFL-400-D for Use:

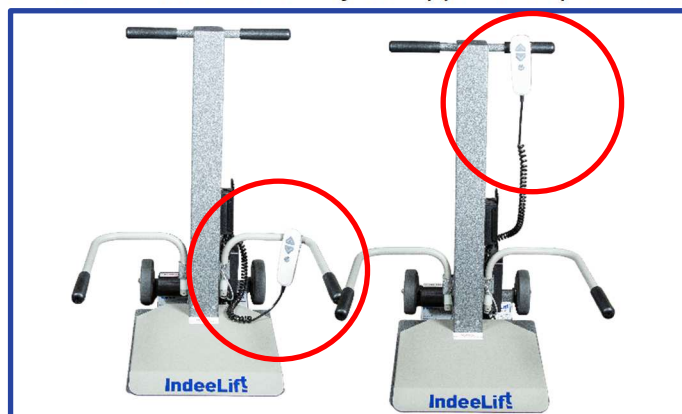
### Unpacking the HFL-400-D:

The HFL comes packaged for shipment in a carton that is sealed with shipping tape. *The unit ships without the wheels attached.* Packed inside the shipping carton will be the HFL, user manual and a box containing the wheel components, instruction sheet and wrench, as well as the AC power cord that connects to the battery charger, and two safety belt assemblies.

- Cut or remove the shipping tape on the top flaps of the carton.
- Stand the packing carton with the heavy end down.
- Open the box and remove the foam and cardboard shipping reinforcement inserts.
- Remove the box containing the wheel components and the AC power cord.
- Remove the bag in the box containing the two securement belt assemblies.
- Remove the HFL and place it in an upright position on the floor.
- Attach the wheels by following the instructions found in the box with the wheel components and wrench.
- Remove the wired remote from its protective bag.
- Test the HFL by raising and lowering the seat using the wired remote's up and down buttons.
- Properly dispose of the packaging materials.



**NOTE:** *If the unit is intended for self-operation, use the hanger clip on the back of the wired remote to place it on one of the lower rise assist handles. If the unit is intended for assisted operation, place the wired remote on one of the upper transport handles.*



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## Charging the Battery:



It is recommended that the HFL be fully charged *before* its first use.

### **WARNING**

California requires the following notice: **WARNING: Lithium-ion batteries and products that contain lithium-ion batteries can expose you to chemicals including cobalt lithium nickel oxide, and nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm.**

### **NOTICE**

It is recommended that the HFL be fully charged *before* its first use.

1. Position the HFL near a standard commercial AC wall power outlet.
2. Attach the female end of the AC power cord to the connector on top of the HFL's battery charger. Fig 2
3. Attach the male end of the AC power cord to a standard commercial AC wall power outlet. Fig 3
  - The LED light on the battery **charger** will illuminate green within 15 seconds. Fig 2
  - The LED light on the **battery** will illuminate red when the battery is low and will change to green upon reaching a full charge. Fig 4 and 5
  - After an initial charge of up to eight hours, the battery is fully charged and the red LED on the battery turns green. Fig 4 and 5
4. Once the unit is fully charged, disconnect the power cord from the wall outlet (Fig 3) and wrap it around the cord bracket on the charger like you would a vacuum cleaner. Fig 6



Fig 1



Fig 2



Fig 3



Fig 4



Fig 5



Fig 6

### **NOTICE**

When the HFL's battery is running low, it will emit a steady tone when pressing the up or down button on the wired remote. This indicates that it's time to recharge the battery. Each charge is good for at least 10 lifts, depending on the weight of the person being lifted. If you need to use the HFL when the battery requires charging, or if the battery fails to operate the HFL, the lift can be operated with the power cord connected to an AC wall outlet. Fig 3



# HFL-400-D User Manual

## Operation:



Ensure that any users are thoroughly familiar with the correct operation of the HFL-400-D *before* they use it to lift themselves or someone else.

## Self-Operation:

While the assistance of a helper can be useful, the HFL home models are designed to be self-operated. It is recommended that you keep the HFL in a location easily accessible within the home (i.e., in a place where a fallen person can scoot to it when needed).

1. Keep the seat in the downward (home) position with the wired remote clipped to one of the rise-assist handles.
2. After a fall, scoot yourself backwards onto the HFL's mounting ramp seat.
3. Once fully seated in the center and to the rear of the HFL's seat, press the "up" button on the wired remote. The motor engages and smoothly raises the seat to a height of 21", then automatically stops. *NOTE: This takes about one minute.*
4. Once the seat stops in the fully raised position, rest and catch your breath if needed. Then clip the wired remote back onto one of the handles.
5. Ensure your feet are properly positioned for standing, then use the rise-assist handles to steady yourself.
6. Stand up, as you would from any chair.



**NOTE:** Once you are back on your feet, return the seat to the fully downward (home) position and clip the wired remote to one of the rise-assist handles, (so it will be ready to use again when needed).



**ALWAYS ENSURE THERE ARE NO FOREIGN OBJECTS BELOW THE SEAT *BEFORE* LOWERING IT TO THE HOME POSITION AND BEFORE TITLTING THE HFL BACK TO AN UPRIGHT POSITION IN ITS STORED LOCATION!**



# HFL-400-D User Manual

## Assisted Operation – Standard Lift:

If available, a helper can assist a fallen person. When used for assisted operation, it is recommended that the seat be raised to a height of six to eight inches from the floor *before* transporting it to the location of the fallen person. *This will make it easier for the helper to move the unit.*

1. Stand behind the HFL and place one foot on the back of the unit. Then gently tilt the HFL backwards by pulling the handle towards you. You can now pull or push to HFL to the fallen person.



**As you stop at the desired location, ensure there are no foreign objects beneath the seat *before* lowering the seat or tilting the unit back to the upright position.**

**NEVER ATTEMPT TO TRANSPORT A PERSON WHILE THEY ARE SEATED ON THE HFL.**

2. Once you arrive at the location of the fallen person, lower the seat to its fully downward position, temporarily place the wired remote on the upper transport handle, then position the HFL directly behind the fallen person, with the mounting ramp seat as close to the fallen person's buttocks as possible.
3. Have the fallen person scoot themselves backwards into the mounting ramp seat, assisting them if needed. NOTE: If the fallen person has difficulty scooting backwards onto the mounting ramp seat, you can use the **Mount Assist Procedure**, on Page 9.
4. Once the fallen person is fully seated in the center and to the rear of the HFL's seat, have them place their hands on the rise assist handles and let them know you are about to raise the seat. When they are ready, press and hold the up button, as indicated by the arrow on the wired remote. The seat will rise for approximately one minute, then automatically stop.
5. When the HFL has stopped, allow the recovered person to catch their breath and rest if needed, then place the wired remote back on the HFL's upper transport handle and offer the recovered person your hand.
6. Ensure the recovered person's feet are properly positioned for standing, then assist them, if needed, as they stand up from the seat.



NOTE: Once the fallen person has been recovered and is no longer near the unit, it is recommended that the seat be lowered to a height of six to eight inches from the floor to make it easier to transport the unit back to its stored location. Then leave the seat in this position, so it is easy to transport the unit the next time it is needed.

# HFL-400-D User Manual

## Assisted Operation – Mount Assist Procedure:

When assisting a fallen person that has difficulty scooting backwards onto the mounting ramp seat, you can use this procedure to assist them onto the HFL.

1. Ensure the HFL's seat is in the fully downward position, then remove one of the rise assist handles by removing the locking pin then lifting the handle upward.
2. With the fallen person laying down on the floor, position the HFL behind them and position their legs as far forward as possible, (to form an "L" shape).
3. Move the HFL to the fallen person and place the edge of the seat, (that no longer has the rise assist handle), as close to the fallen person's buttocks as possible.
4. Position yourself on the other side of the HFL's seat and offer the fallen person your hand, then gently tilt them up to a seated position on the center of the HFL's seat. *If needed, assist the person to be positioned in the center of the seat, as far back on the seat as possible, (with their back resting on the HFL's vertical frame).*



5. Once the fallen person is fully seated in the center and to the rear of the HFL's seat, replace the rise assist handle by lowering it back into position on the HFL, then secure the handle to the HFL by replacing the locking pin.
6. Have the fallen person place their hands on the rise assist handles and let them know you are about to raise the seat. When they are ready, press and hold the up button, as indicated by the arrow on the wired remote. The seat will rise for approximately one minute, then automatically stop.
7. Once the lift has stopped, allow the person to rest if needed. Then place the wired remote on the upper transport handle, ensure their feet are positioned properly for standing, then offer to assist them as they stand up from the seat, (as they would from any chair).



REMINDER: When using the HFL for assisted operation, we recommend the seat be lowered to a height of six to eight inches from the floor after each use, *(for easier transport the next time it is needed).*

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## Assisted Operation – Wheelchair Transfer:

The HFL is designed for the seat to stop in the up position, twenty-one inches from the floor. This height exceeds standard wheelchair seat height to allow for a gravity assisted transfer. NOTE: Most wheelchairs will roll right up to the HFL's seat on the most convenient side.

1. Use one of the previously described procedures to recover the fallen person from the floor.
2. Once the fallen person has been recovered and is seated on the HFL with the seat in its fully raised position, determine which side is preferred for the transfer and place the wheelchair as close as possible to the HFL's seat.
3. Engage the brakes on the wheelchair.

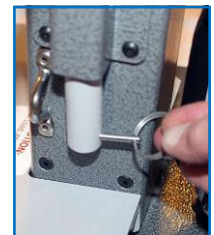


**BEFORE TRANSFERRING ANYONE FROM THE HFL TO A WHEEL CHAIR, ALWAYS ENSURE THE BRAKES ON THE WHEELCHAIR ARE FULLY ENGAGED!**

4. Either raise the rise assist handle on the appropriate side and swing it rearward, or remove it completely by removing the locking pin at the bottom of the handle then lifting the handle upward. *NOTE: If you remove the rise assist handle, temporarily place the handle and locking pin in a safe location (where they will not interfere with the transfer).*
5. Using the wired remote, position the IndeeLift's seat to be approximately one to two inches higher than the wheelchair's seat. *This allows for a gravity-assisted transfer.*
6. Place the wired remote on the HFL's upper handle then have the recovered person grasp the far handle of the wheelchair and assist them if needed as they scoot themselves from the HFL's seat to a fully seated position on the wheelchair.
7. Once the recovered person is safely in the wheelchair, disengage the wheelchair's brakes and move them away from the HFL.



Before returning the HFL to its stored location, don't forget to either swing the rise assist handle back into position or – if you removed the handle -- replace it on the appropriate side and secure it back in place with the locking pin. As previously described, lower the HFL's seat to a height of between six to eight inches from the floor, *(for easy transport back to its stored location).*



# HFL-400-D User Manual

## Maintenance:

The IndeeLift HFL requires no regular maintenance. All exposed surfaces can be cleaned with standard cleaning products. Keeping the battery charged helps improve battery life.

**Note: While the HFL is extremely durable and will perform well indoors or outdoors, it is recommended that the HFL be stored indoors when not in use.**

## Troubleshooting / Service:

The HFL-400 was designed to provide years of trouble-free performance. There are no user serviceable parts. However, should you encounter a situation where the unit is not operating properly, please ensure you have correctly followed the procedures for recharging the unit (covered in the **Charging the Battery** section of this manual on Page 6).

If charging the unit does not resolve the problem, or if you encounter any other operational issues with this unit, please contact IndeeLift Customer Care at the number below. Our knowledgeable associates will help to diagnose the problem and present a plan for swift resolution.

**IMPORTANT:** When contacting IndeeLift Customer Care, please be prepared with your model number, serial number, purchase date and a detailed description of the problem.

**Contact IndeeLift Customer Care toll-free at  
844-700-LIFT (5438)**

## Warranty Information:

IndeeLift, Inc. warrants to the original purchaser that this product and the components thereof will be free from defects in workmanship and materials for a period of **one year** from the original date of purchase. IndeeLift Inc. will, without charge, repair or replace at its option, any defective components or the whole product if necessary. Shipping charges may apply. If a total replacement is necessary, IndeeLift, may upon its discretion provide the latest model, which meets or exceeds the specifications of the product to be replaced.

### Exclusions:

This warranty does not apply in the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs. IndeeLift Inc. reserves the right to make changes in design or make additions or improvements to this product without any obligation to install the same on products previously manufactured.

IndeeLift, Inc. shall not be liable for any consequential damages including, without limitations, damages resulting from loss of use. Some states do not allow limitations of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The warranty gives you specific rights and you may have other rights, which vary from state to state.



# HFL-400-D User Manual

## Physical Specifications:

Safe Working Load ..... **400 lbs.**  
Maximum Length ..... 21"  
Maximum Height ..... 50"  
External Width ..... 15"  
Maximum Seat Height ..... 21"  
Wheels ..... 5"  
Total Weight ..... 65 lbs.  
Lithium-Ion Battery Pack..... Standard

## Electrical Specifications:

Standard 2-prong 110V AC Power 9' cord  
Operating environment: >+5°C <+40°C

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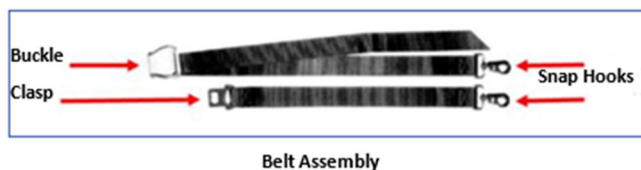
## APPENDIX A



Please read the entire manual, (including this appendix), *before* using the HFL-400-D and retain for future reference.

### Using the Belt Assembly:

The belt assembly includes two straps; the longer strap has a seatbelt style *buckle* with a snap hook at the end, the shorter strap has a seatbelt style *clasp* with a snap hook at the end. Each of the two straps form a single belt assembly.



NOTE: *The belt assembly can be used as either a chest belt or a waist belt).*

In use, the belt assembly is secured to either the HFL's upper and/or lower anchor points, (located on the HFL's main column), using snap hooks at the end of each belt assembly. The belt assembly and upper anchor points can be used as a chest belt, or attached to the lower anchor points to be used as a waist belt.

It can also be placed diagonally across the body, with one end attached to the upper anchor point and one end attached to the lower anchor point. When not in use, the belt assembly is rolled-up and placed in the column-mounted storage bag.



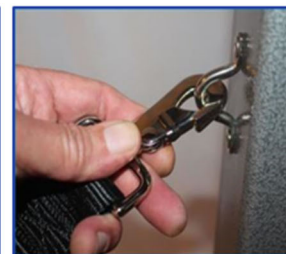
Upper Anchor Points



Lower Anchor Points



Using the Snap Hooks to Attach the Belt Assemblies



Once the fallen individual is securely buckled to the lift using the belt assembly, pull on the buckle strap to ensure the belt is snug and secure *before* pressing the up button on the wired remote. As the seated person is being lifted, have them gradually move their legs inward, then ensure their feet are properly positioned *before* they stand up from the HFL's seat, (as the would from any chair).



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For more sales and technical and training information refer to:

<https://IndeeLift.com>

or scan the bar code:

