

FTS-600 (Floor-to-Stand) USER'S MANUAL



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FTS-600 UM 7.2023

NOTICE Please read this entire manual *before* using the product and retain for future reference.

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THIS PRODUCT MAY CONTAIN THE POSSIBILITY FOR CERTAIN HAZARDS IF NOT USED IN THE CORRECT MANNER. EVERY OPERATOR IS RESPONIBLE FOR READING AND UNDERSTANDING ALL OF THE OPERATIONAL AND SAFETY PRECAUTIONS AVAILABLE FOR THIS PRODUCT.

Safety Symbols

▲ DANGER

Will result in Death or Serious Injury

△ WARNING

Could result in Death or Serious Injury

⚠ CAUTION

Could result in Minor or Serious Injury

NOTICE

Not related to Personal Injury

Introduction:

IndeeLift's patented line of patient-handling, Floor-to-Stand lifts are unlike any other. This family of products has been designed to enable safe patient handling in all care environments. These lifts provide assisted operation for individuals who have mobility challenges and are unable to get up from a seated position or the floor without assistance. These rugged and reliable IndeeLift human floor lifts are purpose-built appliances built in the USA with UL and CE certified components and are available in consumer/care, professional healthcare, and emergency medical service models.

The Floor-To-Stand 600 (FTS-600) is a lift designed specifically for professional health care. Acute and post-acute care requires daily patient handling. This appliance virtually eliminates the need for manual patient lifting in these environments. The FTS-600 can safely and quickly lift a person up to 600 pounds (272kg) from the floor or a seated height or to a standing position without risk of injury to the fallen or anyone assisting them.

Patients can transfer to the FTS-600 from a bed, wheelchair, commode, exam table, the floor, or any other place a user may be seated and need assistance to get to a standing position or to transfer to a different surface height. The FTS-600 is also engineered to lift a patient standing on the platform of the FTS-600 from the floor to a height that will allow the patient to easily get onto an exam or radiology table or bed.

As a fall recovery appliance, the FTS-600 is extremely maneuverable. Its small footprint allows fall recovery to occur in even the tightest of places and will fit through most doorways. The FTS-600 replaces larger and more cumbersome sling-style lifts for fall recovery and many transfer functions, while greatly reducing the associated risks.

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Overview:

This manual covers the FTS-600 professional model which is designed for use in acute and post-acute care environments. The FTS-600 will be referred to as the FTS in this manual.

The FTS is operated with a wired remote control in a portable "roll-around" configuration. This state-of-the-art product was designed to easily lift patients from the floor or a sitting or standing position and can be safely operated by staff of all levels, with or without the assistance of a second care provider and without risk of injury to the care provider or the patient. The FTS safely lifts a seated person from the floor up to 30" to achieve a full standing position.

The FTS is a multi-function patient handling lift tool designed to be used for day-to-day patient handling pertaining to fall recovery and transfers. The FTS is intended to be used in all patient care environments and supports most safe patient handling and mobility (SPHM) practices.

Individuals that fall must be assessed for injuries that may require medical assistance. Use of this human floor lift after sustaining such an injury resulting from a fall is discouraged to avoid what could result In Death or Serious Injury. Instead of using this lift if an injury is noted, phone 911 for medical assistance or follow your facility's protocol for recovery of an injured patient.

FTS-600 Features and Functionality:

Seated Lift

The FTS is designed to raise a seated person from the floor, or any level above the floor, to a height that allows the user to stand directly up or to be laterally transferred to a wheelchair or other sitting surface as required.

For those who are ambulatory, the FTS lifts the user to a to a height whereby they can easily stand and walk away, with or without an assistive walking device as needed. The FTS has been designed and tested to work with individuals of any height.

For users with less mobility, the transfer directly to a wheelchair or other seated surface is accomplished by raising the platform height of the FTS to about 21" (53 cm), or 1-2 inches (2.5-5cm) above the destination seat which allows for gravity-assisted lift-free transfers.

Standing Lift

Another function of the FTS is to provide lift assistance to a standing person needing to access a bed, exam or radiology table or any other place that the user is unable to negotiate. This application can assist a patient onto a bed that may be the perfect height to get up from but too tall for the user get up onto.

The standing lift function provides care providers with a method to lift a standing patient to a safe height of up to 14 inches (35.5 cm) from the floor to assist the patient in getting onto an exam or radiology table or bed.

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CAUTION
FOR STANDING LIFTS ONLY: THE FTS-600 CAN RAISE A STANDING PERSON BEYOND THE MAXIMUM SAFE DISTANCE OF 14 INCHES FROM THE FLOOR! IT IS THE RESPONSIBILITY OF THE CARE PROVIDER TO ENSURE THAT THE PATIENT IS NOT LIFTED ABOVE A SAFE HEIGHT OF 14 INCHES FROM THE FLOOR!

A caution label is on the back of the IndeeLift indicating the 14-inch maximum platform height when standing on the unit. When the care provider raises the platform up, the top of the platform should not be raised higher than the top of the red line as shown:



Small Footprint and Easy Portability

The FTS 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 34" (86 cm), the FTS can go just about anywhere a patient may be found in the care facility environment.

Wired Remote

The wired remote has a 10' (3m) retractable cord, allowing the care provider to operate the lift while assisting the patient with balance or confidence. The wired remote has physical, easy to operate lever controls that indicate the up and down functionality. The wired remote is stored on the FTS's handles with the attached hanger clip.

Adjustable and/or Removable Rise-Assist 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 or to provide a stable place for the patient to hold on to while being transferred or raised to a standing position. The arms can swing away from the platform as needed. They are also removable to allow for mount assistance or a direct transfer to a wheelchair or other destination. They are placed in the lower brackets for use as a seated lift and in the upper brackets for use as a standing lift.

Rechargeable Battery

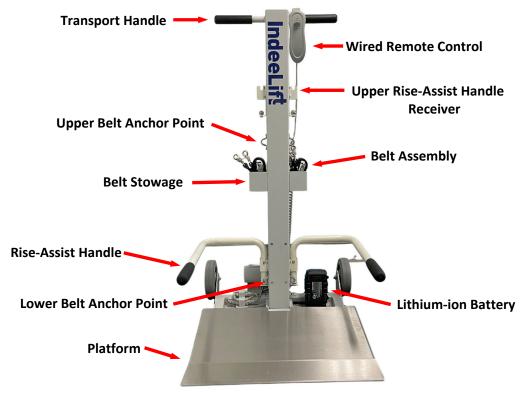
The FTS comes standard with two rechargeable Lithium-ion battery packs and a charging unit. Charging is accomplished by plugging the charging unit's AC power cord into a standard AC wall power outlet and placing the Lithium-ion battery in the charger. Two batteries are provided. One battery should remain on the charging unit while the other battery powers the FTS. It is recommended that the battery packs be swapped at least twice a month or as necessary based on volume of use. (See **Preparing the FTS-600 for use** on Page 8).

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.

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Lithium-ion batteries offer light weight, 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 FTS for extended periods. If the battery needs replacing, dispose of the old battery at a recycling center that accepts rechargeable batteries.





Components and Controls:

Wired Remote

The wired remote control is connected to the FTS with a retractable cord and is used to raise and lower the platform by pressing the lever up or down. Raising or lowering the platform takes approximately 75 seconds from the floor to a full standing height. Seated to standing takes approximately 40 seconds. The wired remote has graphics indicating the up and down functionality. The wired remote is generally stored on either of the FTS's rise-assist handles. The FTS will only operate when the lever is depressed.



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Rise-Assist Handles

The rise-assist handles provide support and balance when standing from the platform or when using the FTS in standing mode. The rise-assist handles are positioned on the lower bracket for seated operation and on the upper brackets for standing operation.



Rise-Assist Handles Shown in Lower and Upper Brackets

If desired, one or both rise-assist handles can be swung away from the platform by lifting one inch and then rotating them rearward away from the seat. They swing completely out of the way to enable unimpeded transfers onto and off of the FTS. They are also removable if desired. To remove a rise-assist handle, lift the handle upward.

To insert a rise-assist handle, push the lower end through the receiver bracket until the lower end bottoms out on the domed base (Fig 1), then push firmly until it is seated and the lock-pin located on the rise-assist handle is resting securely in the bracket (Fig 2).

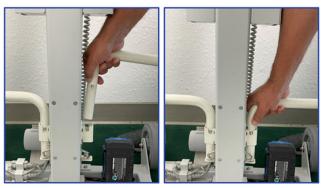


Fig 1

Fig 2

The FTS Identification label is located on the back side of the FTS column and includes the model number, serial number and patent numbers. The IndeeLift HFL and FTS products are covered by one or more patents, including U.S. Patent Nos. 9,808,388 B2 & 10,835,434

NOTICE

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Preparing the FTS-600 for Use:

Unpacking the FTS-600:

The FTS comes packaged for shipment on a pallet with a strapped cardboard enclosure. Packed inside the shipping carton will be the FTS, user manual and a box containing the two batteries, the battery charger and the two safety belts.

- Cut or remove the bands holding the cardboard enclosure.
- Lift the cardboard top and remove the two cardboard outer carton components.
- Remove the box containing the batteries and charger.
- Remove the screws holding the FTS to the pallet.
- Remove the wired remote from its protective bag.
- Remove the plastic wrap holding the Rise-assist handles in place.
- Install the rise-assist handles in the upper or lower receivers on the FTS main column.
- Fully charge one of the batteries and install it in the battery holster on the FTS as shown in Figure 1 below and put the other battery into the charging unit.
- Test the FTS by raising and lowering the platform using the wired remote's up and down lever.
- Properly dispose of the packaging materials.





Figure 1

Charging System:

The FTS is powered by a Lithium-ion battery pack and charging system. The FTS comes with two batteries and a charger. The Kobalt brand battery packs and charger are available from Lowes or online. The two battery packs are "intelligent" batteries with internal monitoring. The user can check the charge by depressing the monitor switch and observing the LED indicator showing the charge level (Figure 2). The user manual for the batteries and charger is included with the FTS.



Figure 2

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Charging the Battery Packs

Identify a location to store the Lithium-ion battery charging system. Attach the male end of the AC power cord to a standard commercial AC wall power outlet. Place a Battery pack in the Charger and confirm the system is charging by the indicators on the battery charger. The battery should be fully charged within one hour.

It is recommended that the FTS battery be fully charged *before* its first use. The FTS battery system is shipped with minimally charged batteries for transportation safety. The initial use battery should be charged for approximately one hour before extended use.

Lithium-ion batteries require charging at least once every three months to ensure the longest life. It is recommended that the battery packs be swapped at least twice a month or as necessary based on volume of use.

Operation:

NOTICE Ensure that all users are thoroughly familiar with the correct operation of the FTS-600 *before* they use it to lift someone.

Moving the FTS-600

Any able-bodied staff or care provider can move the FTS around the care environment. The person moving the FTS stands behind the lift and places one foot on the stainless-steel foot pad at the rear of the unit and then gently tilts the FTS rearward by pulling the handles toward them. They can now pull or push to FTS to the required location. See Figure A







Figure A: Preparing to move the FTS

Typical operation for day-to-day use is to position the platform for its primary function, e.g. If the primary function is for use as a standing lift in an imaging department or an exam room, the platform would be stored with the platform positioned at the floor level.

Raising or lowering the platform height to match the height of the operator provides a more

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comfortable transport if desired. It is also practical, in many cases, to pull the FTS from behind allowing the operator the ability to open doors and traverse thresholds and other impediments to smooth travel.

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



Functional Overview

The FTS provides seated-lift and standing-lift functionality which can be performed by a single care provider without secondary assistance as determined or deemed necessary by the situational requirements.

- 1) Seated Transfer to FTS to Standing is where the patient needing assistance is on a chair, wheelchair, bed, commode, or other seated surface and needs assistance to stand.
- 2) Floor to Seated Transfer operation is when a patient is lifted from the floor and transferred from a seated position to a wheelchair, bed, or other destination.
- 3) Floor to Stand is where a patient is on the floor and needs to be lifted to a standing position, whereby they can proceed to walk with or without an assistive device.
- 4) Standing Function is used to raise a patient in standing so they can sit down onto a high surface such as a radiology or exam table.

The FTS is designed to work effectively for people of all heights. For example, a person five feet tall will begin to shift their weight to their legs when the lift reaches a height of 23 inches, whereas a person that is 6'4" will begin shifting their weight to their feet when the lift reaches about 27 inches.

General FTS Operation:

These are the basic operational steps for using the FTS to lift a patient from the floor and for transfers from a seated position to a wheelchair, chair or other seated surface, or to standing.

Raising a Patient from the Floor to Seated or Standing Height

- 1) For patients who are on the floor and can get into a sitting position and scoot:
 - a. The care provider wheels the FTS directly behind the patient and positions the edge of the platform as close to the patient's buttocks as possible.
 - b. The patient scoots backwards onto the platform using the rise-assist handles for leverage as necessary.
- 2) For patients who are not able to sit up on the floor and/or scoot backwards:
 - a. The patient is helped to lie on the floor in a side-lying position with their legs as far forward a possible, to form an "L" shape.
 - b. The care provider removes the rise-assist handle that is closest to the patient and places the FTS so that the platform is facing the patient's lower legs and the rear edge of the platform is as close to the patient's buttocks as possible.
 - c. The care provider gently assists the patient to tilt-up onto the platform while the patient

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uses their arms to help push themselves up. (see Figure B)

- 3) Once the patient is fully seated on the FTS, the care provider replaces the rise-assist handle. The care provider may need to assist the patient to shimmy to the center of the platform, as far back on the platform as possible, (with their back resting on the FTS's vertical column).
- 4) For added security the care provider can attach and fasten the safety belts around the patient before operating the FTS. (See page 14)
- Once the patient is secured, they place their hands on the rise-assist handles and the care provider presses the lever on the wired remote to the up position until the patient is raised to either a seated height (see Figure C) whereby the patient can stand up or transfer to a chair or wheelchair or the care provider can continue raising the FTS until the patient comes to a full standing position (see Figure D).
- 6) It is important that the patient "walks" their feet under them as they are being risen, the care provider may need to assist the patient to ensure their feet move directly under them during the lifting process.
- 7) Once standing, the patient can proceed to walk with or without an assistive device as needed.

Figure B depicts a patient being assisted onto the device from a side lying position.













Figure B

Figure C Depicts a patient being raised to a seated height.







Figure C

Figure D Depicts a patient raised to standing height.



Figure D

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Seated Transfer from the FTS to Wheelchair

When the patient is going to do a seated transfer to a wheelchair, bed or other destination, the platform of the FTS should be stopped at one to two inches above the destination seat allowing for a slight-downward-gravity-assisted transfer. (see Figure E)

Position the wheelchair as close to the FTS as possible and engage the brakes. The care provider removes or swings away both the FTS rise-assist handle and the wheelchair armrest on the side the patient will be transferring. When ready, the patient should reach out for the armrest on the opposite side of the destination seat to provide upper body leverage in the transfer motion and then scoots or slides from the FTS to the destination seat. A transfer board may be utilized to assist with the transfer as deemed appropriate. Once the patient is in the wheelchair, the caregiver replaces the armrest.

Figure E depicts a seated transfer from the FTS to a wheelchair.











Figure E

Seated Transfer to FTS to Standing

In this scenario, the patient is seated in a chair, on a bed, a couch, in a wheelchair or elsewhere. The patient will need to be transferred to the FTS to assist in raising them to a standing position, (see Figure F).

The care provider positions the FTS directly beside the patient and uses the wired-remote to position the platform one to two inches below the height of the patient's seated buttocks. This positioning facilitates a gravity-assisted transfer eliminating the possibility of injury to the provider or the patient. The lifting is done by the FTS.

The rise-assist handle on the patient side of the FTS is removed or swung rearward to allow an unimpeded transfer.

The patient is instructed to grab the rise-assist handle at the opposite side of the platform to help them pull their body to mount the seat. The care provider then assists the patient to slide on to the FTS platform. A transfer board may be utilized to assist in the transfer.

Once the patient is fully seated in the center and to the rear of the FTS's platform, the care provider has them place their hands on the rise-assist handles. When the patient is ready, the caregiver presses the lever up until the patient reaches their standing height.

Once the lift is complete, using the wired remote, position the FTS platform to the floor or a normal seated height based on its intended use and return the FTS to its storage location.

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Figure F depicts a seated transfer to FTS to standing.



Figure F

Standing Function

Many patients are unable to negotiate sitting onto a high seat or may not be able to step onto a stool to allow them to sit or lie down onto high surfaces required in many care facilities. The ability to get patients onto x-ray, imaging tables or exam tables becomes problematic with many patients of a short stature, large frames, or simply due to weakness. Adding mobility challenges, injury and disease to the mix makes it nearly impossible to serve many patients. The FTS provides a safe and reliable method to raise patients weighing up to 600 lbs. those few inches necessary to be served by the care facilities.

This function is accomplished by moving the rise-assist handle from the lower mounting brackets to the upper mounting brackets. The FTS is then placed perpendicular to the exam table, imaging bed, or other surface with the platform in the lowered position and facing the exam table. The rise-assist handle on the side the patient will be entering onto the platform is removed or rotated outward. With the platform in the fully lowered position, the patient steps onto the platform from the side and grasps the transport handles. The rise-assist handle is moved back into place. The care provider then presses the control lever in the "Up" direction on the wired remote to raise the platform to the required height, but no higher than 14 inches from the floor (Figure F). The top of the platform should not be raised higher than the top of the red line on the caution sticker (Figure G).





Figure G

These steps are reversed to return to the floor level. (See Figure H)

Once the lift is complete, using the wired remote, position the FTS platform down to the floor or a normal seated height based on its intended use and return the FTS to its storage location.

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Figure G









Figure H

MARNING

Never lift a standing person higher than 12-14 inches from the floor. It is unsafe for persons standing on the FTS to be lifted above 14"!

CAUTION

Before transferring anyone from the FTS to a wheelchair, <u>always</u> ensure the brakes on the wheelchair are fully engaged to avoid an accident that could lead to death or serious injury.

NOTICE

If you remove the rise assist handle, temporarily place the handle in a safe location (where it will not interfere with the transfer).

Before returning the FTS to its stored location, remember to either swing the rise assist handle back into position or, if you removed the handle, replace it on the appropriate side.

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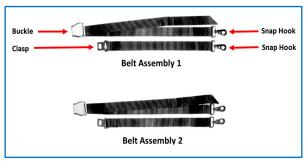
Securement Belt Information:

The anchor points and belt assemblies are for use when lifting an individual who is non-ambulatory, has minimal upper and lower body strength, or has a condition that causes significant mobility challenges, (e.g., a paraplegic person with no ability to move their legs, a person with cerebral palsy who may need additional help to sit upright on the FTS when being lifted, or anyone with neuromuscular conditions that limits their lower body strength, upper extremity strength or their ability to stay on the platform unassisted). The belt assemblies can also be used simply as desired for additional safety when lifting an individual.

All procedures that do not involve the use of the waist and chest belt accessories are covered in detail earlier in this Users' Manual and are fully applicable to the FTS-600 units.

Using the Belt Assemblies

Each 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. The two belt assemblies are identical, (either assembly can be used as a chest belt or a waist belt).



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



Depending on the circumstances, you may choose to use the waist belt only. The anchor points and belt assemblies also allow for additional configurations, (such as crossing the chest of the person being lifted by attaching one belt assembly to the upper left and lower right anchor points and the second belt assembly to the upper right and lower left anchor points).

Once the patient is securely buckled to the lift using the belt assemblies, pull on each buckles' strap to ensure both belts are snug and secure *before* pressing the up button on the wired remote. As the patient is being lifted, have them gradually move their legs inward, then ensure their feet are properly positioned *before* they stand up from the FTS's seat, (as they would from any

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chair).

NOTICE

When lifting a patient with little-to-no lower body strength, (such as a paraplegic), the belts will hold the person securely in place and their legs will naturally move inward towards the FTS as they're being lifted but may need additional manual assistance by moving their legs using their hands, or from a care-giver to ensure they are positioned correctly. A person properly secured to the FTS using the two belt assemblies cannot fall off the FTS's seat!













Maintenance:

The IndeeLift FTS requires no regular maintenance. All exposed surfaces can be cleaned with standard cleaning products and a soft cloth. The FTS is rated for water exposure and is able to be washed with a pressure washer if contaminated.

Lithium-ion Battery Maintenance

The FTS Lithium-ion battery packs should last up to five years when properly maintained. These battery packs need to be charged at minimum once every three months to ensure longest operating performance. It is recommended that the primary and secondary batteries be swapped at least twice a month or more often as deemed necessary by volume of use.

NOTICE

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

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Troubleshooting / Service:

The FTS-600 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 8).

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)

Or email us at Contact@IndeeLift.com

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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.

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Physical Specifications:

Model	FTS-600
Safe Working Load	600 lbs. (272kg)
Overall Depth	26.5" (673mm)
Maximum Overall Height (raised)	84.75" (1746mm)
Minimum Overall Height (lowered)	43.75" (1054mm)
External Width incl Rise Handles	23" (584mm)
Maximum Platform (Seat) Height	30" (762mm)
Platform Width	22" (559mm)
Wheel Diameter	6" (152mm)
Unit Weight	82 lbs. (37kg)
Securement Belt System	Standard

Electrical Specifications:

Standard 2-prong 110V AC Power 9' (2.74m) cord (USA)

Standard 2-prong 220V AC Power 9' (2.74m) cord (Rest of World)

Operating environment: 41° to 104°F (+5°C to 40°C)

Battery and System: 24V

Lithium-ion Battery Pack..... Standard "Smart" Charger..... Standard

FTS-600 User Manual



For more sales and technical information refer to:

www.IndeeLift.com



