

Installation and Operation Instructions

GoLift Portable 450



Amico

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Introduction

APPLICATION

The primary purpose of the GoLift Portable450 system is to safely lift and transfer a patient within an institutional setting or at home. The GoLift Portable450 allows these transfers with as little effort as possible for the caregiver, while providing dignity to the patient. A ceiling lift is simple and safe for the caregiver as well as the patient. The lift can be easily moved by a caregiver along the track from one location to another.

DESCRIPTION

The Amico GoLift Portable450 is an ideal ceiling lift system designed for routine transfers of patients. The most compact portable lift in its class, the Amico GoLift Portable450 is designed to be aesthetically pleasing to both the caregiver and the patients. In an effort to address infection control requirements, we gave careful consideration to the smooth edges and rounded corners of our ceiling lift, carry bar and hand control. When you look under the cover of this compact lift, you will find an impressive set of all metal gears and state-of-the-art battery technology that will allow the caregiver to safely, and effortlessly transfer a patient weighing up to 450 lbs on a single lift.

The GoLift Portable450 weight capacity is 450 lbs. This weight limit must not be exceeded.

The Amico GoLift Portable450 can be installed in a variety of track profiles (the trolley can be customized to fit these track profiles) and it also works seamlessly with the Amico Patient Lift Pendant (PLP) System.

CONTENTS OF PACKAGING








1. Amico GoLift Portable450
2. Hand Control
3. Charger
4. Owner's Manual
5. Portable Trolley


Upon receipt of the packages, verify it against the packing slip to ensure the shipment is complete and inspect the equipment for possible damage. If there is any damage, DO NOT USE the equipment and notify the carrier immediately to file a claim. Provide complete information concerning damage claims or shipping errors to Amico Mobility Solutions Corporation. Include all equipment identification numbers along with a description of the damaged parts.



Introduction

SYMBOLS USED IN THIS MANUAL

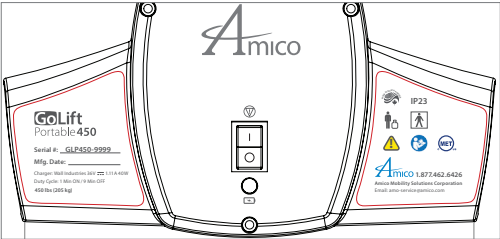
Symbol	Reference	Title
	ISO 7000-0434A	Caution risk of danger
	MET	Certified by MET
	IEC 60417-5840	Type BF Applied Part
	CE	Certification of Conformity
	ISO 7010-M002	Refer to instruction manual/booklet
	Amico Mobility	Emergency Lowering
	Amico Mobility	Emergency Stop

 **WARNING:** This symbol is intended to alert the user of hazard or unsafe practices, which could result in serious bodily harm.

MARKINGS

The GoLift Portable450 is designed to comply with the following Standards:

Standard(s)	CAN/CSA-C22.2 No. 60601-1:08 Medical Electrical Equipment - Part 1: General requirements for basic safety and essential performance. ISO10535:2006 Hoists for the transfer of disables persons - Requirements and Test Methods. CAN/CSA-C22.2 60601-1-11:2-15 home use environments.
Product	Amico GoLift Portable
Brand Name	GoLift
Models	450 lbs



AJW Technology Consulting GmbH
Breite Str. 3, 40213 Düsseldorf, Germany

Safety Instructions



WARNING: READ THESE INSTRUCTIONS CAREFULLY OR SERIOUS INJURY MAY OCCUR.

- The Amico GoLift Portable450 must be installed only by personnel authorized by Amico Mobility Solutions Corporation.
- Do not use this equipment prior to understanding the contents of this manual.
- Contents of this manual are subject to change without prior notice to users. Keep for future reference.
- Never place the Amico GoLift Portable450, track/PLP and sling(s) in control of a person who has not been properly trained in the use and care of this equipment.
- The Amico GoLift Portable450 and associated Track/PLP and sling(s) are for transferring patients only. Never use the GoLift Portable450 for any other purpose.
- Amico Mobility's Warranty is void if unauthorized personnel perform service on the Amico GoLift Portable450 system.
- In facilities where more than one caregiver is responsible for using the Amico GoLift Portable450 and associated track and slings, it is important that all caregivers be trained in the proper use of this equipment. A training program should be established by the facility to familiarize new caregivers with this equipment.
- Do not expose the Amico GoLift Portable450 directly to water. Warranty does not cover any misuse or abuse of the Amico GoLift Portable450.
- The Amico GoLift Portable450 should be inspected and maintained on a regular basis to keep it operating safely and correctly.
- Any accessories used with the Amico GoLift Portable450 including the track/PLP and sling(s) should be checked to ensure that they are in good working order. Examine strap, sling and attachment areas for tears, holes and frayed seams. DO NOT USE them with any signs of wear.
- Amico Mobility will not be responsible for any damage caused by misuse, neglect or purposeful destruction of the lift and its associated components. Do not attempt to modify/alter the Amico GoLift Portable450.
- Do not in any circumstance exceed the maximum allowable load of this lift. Refer to the "Technical Specifications" section of this manual and/or the labels on the lift.
- The installation of the lift, track and sling are certified to a maximum load. Do not exceed the maximum rated load of any of the components.
- There is a risk of explosion if the lift is used in the presence of flammable anesthetics.
- The Amico GoLift Portable450 should be decommissioned/disposed of after the recommended service life in accordance with local law regulations.
- If the battery case cracks and the contents of the battery contact your skin or clothing rinse immediately with warm water.
- If the contents of the battery contact your eyes, rinse immediately with plenty of water and seek medical attention.
- If the contents of the battery can cause respiratory irritation, provide fresh air and seek medical attention.



WARNING: There are no known contraindications associated with the use of the Amico GoLift Portable450 and its accessories, provided they are used per our recommendations and guidelines.

However, for any independent users of the Amico GoLift Portable450, it is extremely important that the patient is able to receive assistance during the transfer in the event of an equipment failure. This assistance can be provided in the form of; a nearby qualified caregiver, a phone, or other communication device.

Technical Specifications for Amico GoLift Portable450

Maximum Lifting Speed:

No load:	1.7 inches/second
150 lbs/68 kg:	1.3 inches/second
450 lbs/205 kg:	1.0 inch/second

Unit Weight:

6 lbs

Safe Working Load (SWL):

450 lbs

Dimensions (see diagram):

Length:	19.4" (49.27 cm)
Height:	5.2" (13.20 cm)
Depth of Lift:	3.7" (9.398 cm)
Strap Length:	74" (187.96 cm)

Number of Lifts per Charge (Duty: 10/90):

78 with 150 lbs (25% of strap at midrange)

46 with 450 lbs (25% of strap at midrange)

Charging time: 2-4 Hours

Lift Case:

Flame retardant ABS

IP23 Lift - protected from fingers and water spray
less 60 degrees from vertical

Batteries:

High Capacity, Long Lasting NiMH
1 x 24V (1.6Ah)

Battery Charger:

Input: 100-240VAC

Output: 36VDC, 40 Watt, 1.0A

Hand Control:

IPX4 Hand Control – protects from splashing water, no matter the direction

Safety:

Emergency Stop

Emergency Lowering Device: Independent Circuit

Manual Lowering

Upper Limit Detection

Lower Limit Detection

Slack Tape Sensor

Free Fall Brake (Over Speed Governor)

Low Battery and Dead Battery Alarms

Soft Start and Stop

Overload Protection

Approvals:

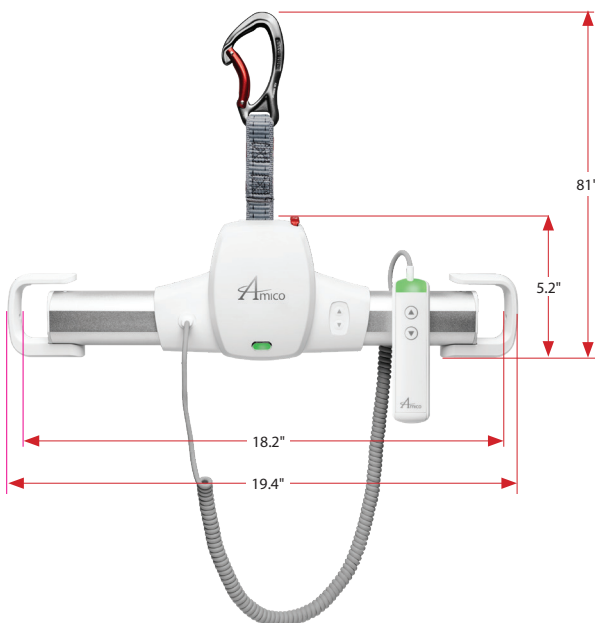
CAN/CSA-C22.2 No 60601-1:08

CAN/CSA-Z10535.1:15

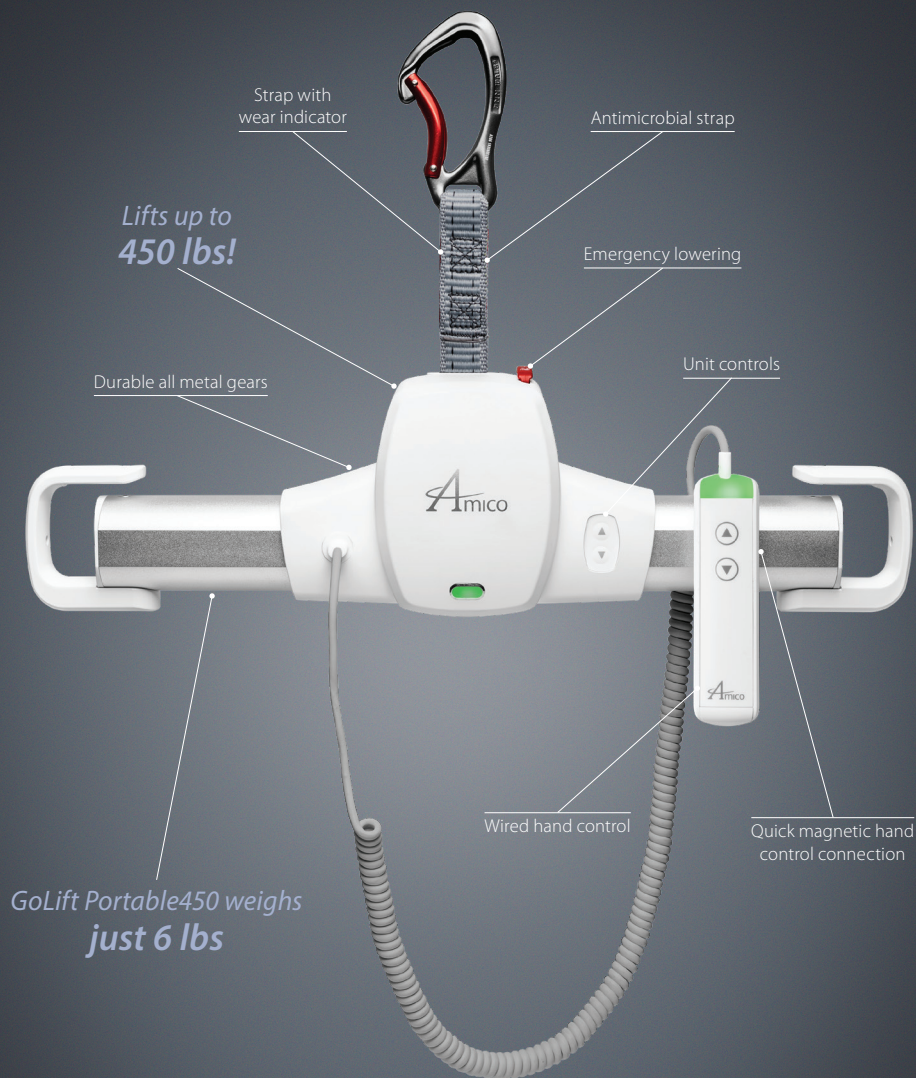
Expected Service Life:

22,500 cycles or 10 years.

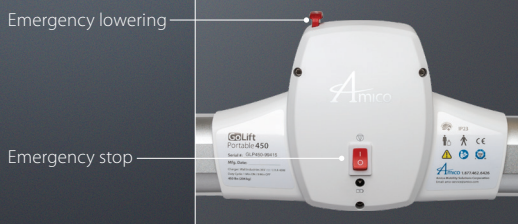
It is recommended that the lift be replaced after this time. The expected life of slings, batteries fuses, straps and cord is dependent upon proper maintenance.



Anatomy of the GoLift Portable450



Back of the GoLift Portable450



Basics in Transferring a Patient

Lifting Sling

A lifting sling with four to six straps designed for mounting on hooks should be used with the Amico Portable450 lift.

Amico Mobility shall not be liable for faults or accidents due to incorrect use of the lifting sling, or for reasons of inadequate attention on the part of the caregiver or patient.

Working with the Amico GoLift Portable450

The Amico GoLift Portable450 moves freely in the track system and does not have any special requirements for space or power in connection with moving. Attention can be fully focused on the user's functional level and the caregivers technique.



To use the GoLift Portable450 correctly, the patient should only be lifted to the extent that she/he is clear of the surface and should be moved at this height.

Attaching the Lifting Sling

Place the straps from the lifting sling on the hooks of the GoLift Portable450. Start with the uppermost set of straps (from the back) and then take the lowest set of straps (from the legs).



WARNING: Be careful when attaching the lifting sling on the hooks. Check that the straps have been completely through the opening and into place in the Portable lift hooks. When pressing the up button to lift the patient, check again that all straps remain correctly placed.

Lifting to and from a Seated Position

- When lifting a patient from e.g. a wheelchair, move the Amico GoLift Portable450 towards the patient to be lifted.
- The lifting hooks should be at the same height as the patient's chest.
- Place the lifting hooks parallel to the patient's shoulders.
- Place the lifting sling behind the patient's back between the back of the chair and the patient's back.
- The center band of the lifting sling should follow the patient's spine. Lead the leg straps along the outer sides of the patient's shins and beneath the thighs between the hollow of the knees and the hip joints. Cross the leg straps in front of the patient.
- All four lifting straps are now ready to be attached. The lifting sling can now be mounted onto the GoLift Portable450 hooks.



Basics in Transferring a Patient

Lifting to and from Lying Position in Bed

Bring the GoLift Portable450 over the center of the patient to be lifted.

- Place the hooks parallel to the patient's shoulders.
- Turn the patient onto their side. The sling should be placed so that the top of the sling is at the same height as the top of the patient's head. Now position the sling over the patient so that the center band follows the patient's spine. Turn the patient onto their back and pull out the remaining part of the lifting sling. Place the leg straps beneath the patient's thighs and cross them. All four lifting straps are now ready to be attached and the lifting sling can now be mounted on the hooks. It would be advantageous to elevate the head of the bed so that the patient is sitting up.
- Only persons who have received competent instruction regarding the use of the lifting equipment and fitting of slings should use the Amico GoLift Portable450.



IMPORTANT: Plan the move and avoid leaving the patient in the sling unattended. Before lifting, check that the patient is completely free of their surroundings. The patient's head, arms, hands and feet must not be in danger or becoming trapped. Be careful with any tubes and wires that are attached to the user. Check that the Portable450 hand control and hand control cable is not tangled to the patient and other objects before the lift is activated.



IMPORTANT: Before lifting, ensure that the GoLift Portable450 is as straight as possible and patient is centered in the sling. Avoid lifting the patient when the GoLift Portable450 is tilted as it results in exaggeration of wear on the strap.

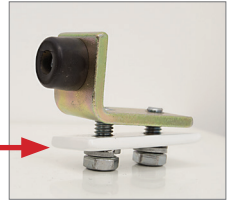
Never leave the lift unattended in an area such as a Psychiatric Ward with the patient.

Installing the GoLift Portable450 in the Amico PLP Track

- a. Remove both endcaps on the PLP Arm.



- b. By using an adjustable wrench, remove the endstop on the PLP track by loosening the bolts.



- c. Make sure the portable trolley is inserted correctly in the PLP track.



- d. Fasten the endstops back on to the PLP track. Ensure there is enough clearance room to place the endcap on the PLP arm and place the endcap back on the arm.

- e. Fasten all endstops tightly using an adjustable wrench.

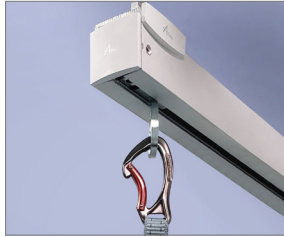


NOTE: If you are installing the Amico GoLift Portable450 in an existing track system you must ensure that the max load of the track system is equal or higher than the max load of the Amico GoLift Portable450.

- f. To disconnect the lift from the trolley, open up the hook in the carabiner to release.



Installing the Endstop on the Amico Track



Use a 3/16" Allen key to secure the endstop to the track



Amico Track Endstop

Labeling the Tracks

All of the lifts come with two track maximum capacity labels inside the box.



Example Track Label (XXXX = 400/700/1000)

Before installing the lift in the track system, verify the maximum capacity of the room and the certifying load test. Walk around the room and find a spot on either side of the track where the label would be visible. Wipe down the surface of the track where the label is to be attached using one of the recommended cleaning agents (see Cleaning and Disinfection section). Allow the track to dry before peeling the label from the backing and attaching to either side of the track. With a permanent writing material, fill in the date that the track was certified using a permanent marker.



Using the Reacher Bar

- a. With the lift resting on a bed, cart, table or other stationary object, use the down button on the lift or hand control to release enough of the strap to the point that will allow you to connect the carabiner to the trolley without having to pick up the lift from its position.
- b. Open the carabiner latch by pressing the colored latch towards the back of the carabiner. This “opens” the carabiner so that it can be attached to the latch of the Reacher Arm. Once the carabiner is hooked onto the Reacher latch, release the latch of the carabiner so that it will be closed, and therefore locked in place.



Open carabiner to attach in slot of the Reacher Bar



Closed carabiner attached to latch of the Reacher Bar

- c. Raise the Reacher Bar up to the trolley. Make sure there is enough slack on the lift strap to accomplish this step otherwise it will not be possible to hook on.
- d. Slide the top hook of the Reacher Bar through the trolley. Make sure there is enough slack on the lift strap to accomplish this step otherwise it will not be possible to hook on.
- e. The lift has now been securely hooked onto the trolley. The Reacher Bar remains in position until the lift is removed.



Raise the Reacher Bar to the trolley



Slide the top hook through the trolley



Lift is securely hooked onto the trolley. The Reacher Bar remains in position

Magnetic Connection of the Hand Control to the GoLift Portable450

Magnetic hand control for quick attachment to the GoLift Portable450.

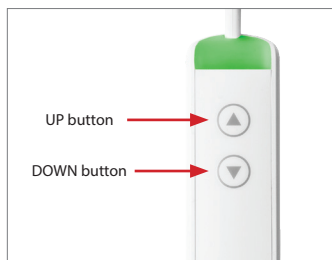


WARNING: Do not place the hand control within 6" of a pacemaker. Patients with pacemakers must follow the instructions provided by their physician and pacemaker manufacturer.



Operating the GoLift Portable450

The Amico GoLift Portable450 is switched on automatically when a button on the hand control is pressed. The Amico GoLift Portable450 switches off automatically after three minutes without activation.



Charging the GoLift Portable450

The charger plugs in into the port on the GoLift Portable450.

The batteries should be charged on a regular basis. To charge the battery, the switch must be in the ON position. It is recommended that the lift be left on charge when not in operation, and at the end of each day. This will maximize the life cycle of the batteries.

The GoLift Portable450 may remain connected to the charger indefinitely since the charger has a built-in regulator, eliminating the danger of overcharging.

As a general rule, it is recommended that the lift be raised to a height that will not interfere with anything or anyone while the lift is not in use.



WARNING: Do not drain the batteries excessively, as they will be at high risk of damage. If the battery level is critically low (see LED and Buzzer Functions section), be sure to recharge the battery as soon as possible.



WARNING: Charge the batteries to full and turn the lift off before storing. Recharge the lift every three months while the lift is in storage.

LED and Buzzer Functions

LED INDICATORS



WAKING UP A LIFT AFTER CHARGING

When waking the lift from the sleep state, there will be a sequence of **three LED statuses** before the lift goes back to sleep. The LED color indications will differ slightly between waking the lift while charging and while not charging. See the table below for details.

LED Status' While Lift is Charging		
	LED Color	Duration
Wake	GREEN	4 secs
Charging indicator	AMBER	4 secs
In use/idle	GREEN (at full charge)	3 mins
	AMBER (low battery level)	
Sleep (if inactive)	Off	N/A

STATUS 1:

Will always show green when the lift wakes up for four seconds.

STATUS 2:

Will be amber for four seconds to confirm that it is currently charging.

- a. If the light remains green, this means the lift is on battery power and not being charged.

STATUS 3:

Shows the current battery level.

- a. For a lift on charge, the light will change from amber to green after four seconds to indicate lift is at full charge. Otherwise, the amber light will remain for three minutes after inactivity before the lift goes back to sleep.
- b. For a lift on battery power, the light will remain green for one minute if the battery level is acceptable. If battery level is low, the LED will change from green to amber after nine seconds and blink amber once per second. If battery level is critical, the LED will change from green to solid red after nine seconds, beeping once every three seconds. These states will remain until the lift goes back to a sleep state after one minute of inactivity.

LED Status' While Lift is on Battery Power			
	LED Color	LED Duration	Beeping
Wake	GREEN	10 secs	None
In use/idle	Continuous solid GREEN (at full charge)	1 min	None
	Blinking AMBER 1x/s (Low battery level)		None
	Continuous solid RED (Critical battery level)		1x/3s
Sleep (If inactive)	Off	N/A	N/A

LED and Buzzer Functions

OTHER ERROR CODES

Error Codes	
Battery not plugged in/No temperature sensor detected	Blinking red (3x/s, 1s off), beeping 1x/5s
Over capacity	Blinking red (2x/s), continuous beep
Charging error: Battery over temperature/Sensor Error	Blinking red (2x/s), beeping 1x/5s
Brake end of life	Blinking red (4x/s,1s off), beeping 1x/5s
Maintenance alarm	Blinking green (2x/s)
Maintenance alarm: After 1,001 lifts, the LED will flash green. To reset, press buttons in the following sequence: Up, Down, Up, Down, then hold both buttons for 10 seconds. If successful, the LED turns red, green and amber. The buzzer will beep three times. NOTE: Reset can be performed at any time, not just after the 1000th lift.	

Emergency Stop

The GoLift Portable450 has an Emergency Stop feature that allows the operator to completely shut off the power to the lift in the event of an emergency. This can be completed by pressing down on the “O” indicator on the red switch located on the back of the unit. To re-activate the lift, simply press down on the “I” indicator on the same red switch.



Emergency Lowering

In the event that the DOWN button on the hand control does not function, or in power failure situations, the patient may be lowered by pressing and holding down the RED emergency lowering button located on the top of the lift. Continue to press down until the patient is safely lowered to the desired position. The lift will beep as you continue to press down on the red button and will continue beeping until the button is released after the desired lowering has been achieved.

NOTE: The emergency lowering button does not provide a raising function. The failure of any of the lowering devices should be reported to Amico Mobility.



WARNING: In an event of the normal lowering system of the lift malfunctioning, the lift must be inspected by a qualified lift technician to confirm resolution of the issue before re-use.



WARNING: Do not press the red button forcefully. For assistance after an emergency, contact: Amico Service: amo-service@amico.com or 1.877.462.6426.



Continue to press down until the patient is safely lowered to the desired position.

Manual Emergency Lowering

The manual emergency lowering and raising feature should only be used if all other controls fail. A proper safety ladder or stool may be required. Use a 3/32" or 2.5 mm Allen key to rotate the motor in the up or down direction.




WARNING: Do not attempt to use the lift while using manual lowering.

Overspeed Cam

The Overspeed Cam brake is made of a metal bar fixed to the drum. In case of gear or motor breakage, the centrifugal force created will block the bar against the frame.

Cleaning and Disinfection

The exterior of the GoLift Portable450 should only be cleaned, disinfected using the recommended cleaning agents shown below. Damp a cloth with the cleaning agent and wipe down the entire exterior of the lift. Other chemicals and/or liquids not listed should not be used to clean and disinfect this lift.

 **WARNING:** Take great care to ensure that no liquids get inside the Amico GoLift Portable450. The lift is not drip proof or water tight. Failure to protect the lift from liquids may result in damage to the lift and may cause personal injury.

Recommended cleaning agents:

- CaviWipes
- Clorox Healthcare Professional Disinfecting Bleach Wipes
- Dispatch Hospital Cleaner Disinfectant Towels With Bleach
- Oxivir Tb Disinfectant Wipes
- Sani-Cloth Super Germicidal Disposable Wipes
- tB Minuteman NEX GEN
- Virocidin-X
- Virox-5
- Virox Accel Tb

Clean the inside of the tracks every 4 months using a damp cloth to ensure a smooth rolling surface for the trolley.

Troubleshooting

Should problems arise with the use of the Amico GoLift Portable450, review the following chart. Find the fault and complete the recommended solution. If the fault is not found and or/the solution does not correct the problem contact Amico Mobility.

Fault	Recommended Solution
The GoLift Portable450 beeps once every 3 seconds while in use. The lift only goes down but not in the upwards direction.	The batteries are low and the lift should be charged.
The GoLift Portable450 cannot lift.	If the load is in excess of the safe working load the GoLift Portable450 will not work due to over-current protection.
The batteries are always dead after a few charges.	Replace the batteries as they may be at the end of their service life.
The GoLift Portable450 does not operate when you press the buttons on the hand control.	Check that the emergency button is in the on position.
The lift does not go up.	There may be a twist in the lift strap.

Inspection and Maintenance

Prior to using the Amico GoLift Portable450, the inspections should be conducted per the following schedule:

Item	Before Use	Every Month	Annual
Portable Lift			
Inspect the lift strap for fray or wear along its entire length.	•		
Inspect the lift strap where it connects to the carabiner shows no signs of fraying or wearing.	•		
Ensure Batteries are charged.	•		
Portable Trolley			
Ensure that end stops are installed at both ends of the track.	•		
Inspect the wheels in the portable trolley. Replace if damaged.			•
Check the Portable trolley for any misalignment of the nut.			•
Sling			
The sling straps connecting to the lift's carry bar show no signs of fraying or wearing.	•		
Inspect the sling fabric for any damage in the fabric.		•	
Ensure there are no loose threads in the stitching.	•		
Maintenance by a certified technician			
Check emergency stop / emergency down button.			•
Check the upper and lower limit switch by pressing the up and down buttons to ensure the lift stops automatically at the top and bottom of the strap.			•
Inspect the hook components for any signs of damage or sharp edges that could potentially damage the sling.			•
Ensure the hand control and emergency buttons function as intended.			•
Fully unloop the strap and inspect it for any fraying or damage.			•
Inspect the gearbox for any unusual noises.			•
Inspect the gears for any broken or worn teeth.			•
*Reapply grease to the gears.			•
** Verify the overspeed cam is operating freely.			•
*Annual load test with 100% of lift load capacity.			•
Plug the charger into the portable lift and confirm that the LED light turns amber.			•
Ensure that the LED turns green after 4 hours of charging or sooner.			•

* In accordance to the ISO 10535 Standard "Hoists for the transfer of disabled persons - Requirements and test methods" an inspection should be performed on the GoLift Portable450 at least once a year. This inspection should be performed by a qualified technician and should include a working load test of one (1) lifting cycle with the maximum load.

*Re-apply grease to the gears using the Amico certified grease. Can be bought from Amico.

** These two functions must be checked by a qualified technician to ensure the essential performance of the GoLift Portable450.



WARNING: Do not operate the GoLift Portable450 until any issues discovered during the inspection have been addressed by a certified technician.

GoLift Portable450 Accessories

	Slings	Material	S	M	L	XL
GoBasic	GoBasic With Head Support	Polyester	SLG-GO-BASIC-WV-HS-S	SLG-GO-BASIC-WV-HS-M	SLG-GO-BASIC-WV-HS-L	SLG-GO-BASIC-WV-HS-XL
	GoBasic With Head Support	Mesh	SLG-GO-BASIC-MSH-HS-S	SLG-GO-BASIC-MSH-HS-M	SLG-GO-BASIC-MSH-HS-L	SLG-GO-BASIC-MSH-HS-XL
	GoBasic No Head Support	Polyester	SLG-GO-BASIC-WV-S	SLG-GO-BASIC-WV-M	SLG-GO-BASIC-WV-L	SLG-GO-BASIC-WV-XL
	GoBasic No Head Support	Mesh	SLG-GO-BASIC-MSH-S	SLG-GO-BASIC-MSH-M	SLG-GO-BASIC-MSH-L	SLG-GO-BASIC-MSH-XL
GoLong	GoLong	Polyester	SLG-GO-LONG-WV-42X78		SLG-GO-LONG-WV-56X78	
	GoLong	Mesh	SLG-GO-LONG-MSH-42X78		SLG-GO-LONG-MSH-56X78	
GoHygiene	GoHygiene	Polyester	SLG-GO-HYGIENE-WV-S	SLG-GO-HYGIENE-WV-M	SLG-GO-HYGIENE-WV-L	SLG-GO-HYGIENE-WV-XL
GoComfort	GoComfort	Polyester	SLG-GO-COMFORT-WV-S	SLG-GO-COMFORT-WV-M	SLG-GO-COMFORT-WV-L	SLG-GO-COMFORT-WV-XL

Guidelines For Choosing Your Sling Size

	S	M	L	XL
Height	31.4 - 34.5" / 798 - 876 mm	33.4 - 36.2" / 848 - 919 mm	35.4 - 38.2" / 899 - 970 mm	37.4 - 41.3" / 950 - 1049 mm
Width	14.2 - 15.8" / 361 - 401 mm	15.4 - 17" / 391 - 432 mm	16.5 - 17.7" / 419 - 450 mm	19 - 20.5" / 483 - 521 mm

Washing Instructions



Normal washing at indicated temperature



Do not bleach



Tumble dry low



Do not iron



Do not dry clean

GoTrack Systems and Support Structure

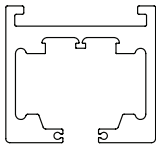
GOTRACK CONFIGURATIONS

We offer three different track profiles, as well as modular and custom configurations that come in:

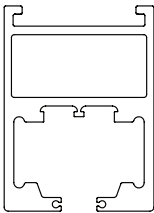
- Straight Track
- Curved Systems
- Full Room Coverage (X/Y or H Systems)
- Optional recessed, flush mount track systems

All GoTrack Systems feature:

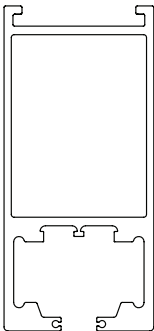
- Low weight and high capacity
- Fast and flexible installation
- Hidden Endstops for safety
- Anywhere charge



Regular



Double



Triple

GoTrack Systems and Support Structure


Description	Part Number	Length x Width x Height	Product Weight	Material
Regular	TRK-REG-100	100" x 2.63" x 2.36" 2540 mm x 67 mm x 60 mm	21 lbs 9.5 kg	White powder coated extruded aluminum
	TRK-REG-120	120" x 2.63" x 2.36" 3050 mm x 67 mm x 60 mm	25 lbs 11.3 kg	
	TRK-REG-180	180" x 2.63" x 2.36" 4570 mm x 67 mm x 60 mm	38 lbs 17.2 kg	
	TRK-REG-240	240" x 2.63" x 2.36" 6100 mm x 67 mm x 60 mm	51 lbs 23.1 kg	
Double	TRK-DBL-100	100" x 2.63" x 3.55" 2540 mm x 67 mm x 90 mm	26 lbs 11.8 kg	
	TRK-DBL-120	120" x 2.63" x 3.55" 3050 mm x 67 mm x 90 mm	32 lbs 14.5 kg	
	TRK-DBL-180	180" x 2.63" x 3.55" 4570 mm x 67 mm x 90 mm	48 lbs 21.8 kg	
Triple	TRK-TRP-120	120" x 2.63" x 5.75" 3050 mm x 67 mm x 146 mm	38 lbs 17.2 kg	
	TRK-TRP-156	156" x 2.63" x 5.75" 3960 mm x 67 mm x 146 mm	49 lbs 22.2 kg	
	TRK-TRP-180	180" x 2.63" x 5.75" 4570 mm x 67 mm x 146 mm	57 lbs 25.9 kg	
	TRK-TRP-240	240" x 2.63" x 5.75" 6100 mm x 67 mm x 146 mm	76 lbs 34.5 kg	
	TRK-TRP-315	315" x 2.63" x 5.75" 8000 mm x 67 mm x 146 mm	100 lbs 45.4 kg	



Environmental Conditions

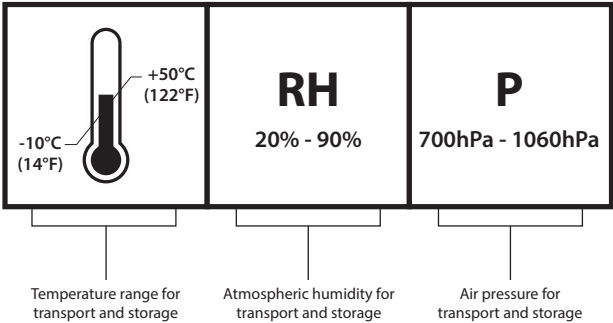
Operation		
	Minimum	Maximum
Temperature	+10°C	+40°C
Relative atmospheric humidity	30%	75%
Air pressure	700 hPa	1060 hPa

Transport/Storage		
	Minimum	Maximum
Temperature	-10°C	+50°C
Relative atmospheric humidity	20%	90%
Air pressure	700 hPa	1060 hPa

 **NOTE:** It is recommended that the lift be brought back to an area kept at room temperature between uses. For example after transport in a vehicle do not leave the lift in the trunk or backseat.

Also, try to keep the lift from staying in rooms with a metallic roof where temperatures may increase the allowable operating temperature.

REFERENCES ON THE PACKAGE



Electro-Magnetic Compliance Data for GoLift Portable450

Guidance and Manufacturer's Declaration - Electromagnetic Emissions		
The [EQUIPMENT or SYSTEM] is intended for use in the electromagnetic environment specified below. The customer or the user of the [EQUIPMENT or SYSTEM] should assure that it is used in such an environment.		
Emissions Test	Compliance	Electromagnetic Environment – Guidance
RF emissions CISPR 11	Group 1	The [EQUIPMENT or SYSTEM] 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.
RF emissions CISPR 11	Class A	The [EQUIPMENT or SYSTEM] is suitable for use in all establishments other than domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes. N/A
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations / flicker emissions IEC 61000-3-3	Complies	

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.


Use of accessories and cables other than those specified by Amico Mobility, could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment, and result in improper operation.

Portable RF communications equipment should be no closer than 30 cm to any part of the Amico GoLift Portable450. Otherwise, degradation of the performance of this equipment could result.

Electro-Magnetic Compliance Data for GoLift Portable450

Guidance and Manufacturer's Declaration - Electromagnetic Emissions			
The [EQUIPMENT or SYSTEM] is intended for use in the electromagnetic environment specified below. The customer or the user of the [EQUIPMENT or SYSTEM] should assure that it is used in such an environment.			
Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 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 for power supply lines ±1 kV for input output lines	±1 kV for power supply lines ±0.250 kV for input/output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV line(s) to line(s) ±2 kV line(s) to earth	±1 kV line(s) to line(s) ±2 kV line(s) to earth	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % UT (>95 % dip in UT) for 0,5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT) for 25 cycles <5 % UT (>95 % dip in UT) for 5 sec	<5 % UT (>95 % dip in UT) for 0,5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT) for 25 cycles <5 % UT (>95 % dip in UT) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If the user of the [EQUIPMENT or SYSTEM] requires continued operation during power mains interruptions, it is recommended that the [EQUIPMENT or SYSTEM] be powered from an interruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	N/A	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE: UT is the a.c. mains voltage prior to application of the test level.			

Electro-Magnetic Compliance Data for GoLift Portable450

Guidance and Manufacturer's Declaration - Electromagnetic Emissions			
The [EQUIPMENT or SYSTEM] is intended for use in the electromagnetic environment specified below. The customer or the user of the [EQUIPMENT or SYSTEM] should assure that it is used in such an environment.			
Emissions Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment – Guidance
√Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms	Portable450 and mobile RF communications equipment should be used no closer to any part of the [ME EQUIPMENT or ME SYSTEM], including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.
			Recommended separation distance $d = 1.2 \sqrt{P}$ $d = 1.2 \sqrt{P}$ 80 MHz to 800 MHz $d = 2.3 \sqrt{P}$ 800 MHz to 2.5 GHz Where <i>P</i> is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and <i>d</i> is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey ^a , should be less than the compliance level in each frequency range ^b . Interference may occur in the vicinity of equipment marked with the following symbol: 
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	3 V/m	
NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.			
NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			
^a . Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the [ME EQUIPMENT or ME SYSTEM] is used exceeds the applicable RF compliance level above, the [ME EQUIPMENT or ME SYSTEM] should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the [ME EQUIPMENT or ME SYSTEM].			
^b . Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.			

Electro-Magnetic Compliance Data for GoLift Portable450

Recommended separation distances between portable and mobile RF communications equipment and the [EQUIPMENT or SYSTEM]			
The [EQUIPMENT or SYSTEM] is intended for use in an electromagnetic environment in which radiated RF disturbances are control LED. The customer or the user of the [EQUIPMENT or SYSTEM] can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the [EQUIPMENT or SYSTEM] as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter M		
	150 kHz to 80 MHz $d = 1.2\sqrt{P}$	150 kHz to 80 MHz $d = 1.2\sqrt{P}$	800 MHz to 2,5 GHz $d = 1.2\sqrt{P}$
0,01	0.12	0.12	0.23
0,1	0.38w	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.			
NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.			
NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			

Disposal

- The Amico GoLift Portable450 doesn't contain any dangerous goods.
- The components of the Amico GoLift Portable450 should be properly disposed at the end of its shelf-life.
- Make sure that the materials are carefully separated.
- The electrical conducting boards should be submitted to an appropriate recycling proceeding.
- The rest of the components should be disposed according to the contained materials.



Warranty Policy - Mobility Solutions

The primary purpose of our ceiling lift system is to safely lift, transfer and reposition a patient with as little effort as possible for the caregiver, regardless of the room type. The Amico Mobility Solutions Corporation's GoLift is easy and safe to use for caregivers as well as patients. The lift systems fit into all environments and fulfill the highest requirements of function, safety and reliability.

Amico Mobility Solutions Corporation warrants its lifting equipment and workmanship to be free from defects for a period of one (1) year from the date of shipment. This includes tracks, lift motor, carry bar and accessories. The Amico slings have a warranty of one (1) year.

Within this period, Amico Mobility Solutions Corporation will replace any part (at no additional charge), which is deemed defective. Shipping and installation costs after the first twelve (12) months will be borne by the customer. The following exclusions apply: the warranty for batteries is for a period of three (3) months from the time of shipment; the warranty for power supply is one (1) year from the time of shipment.

This warranty is valid only when the product has been properly installed as outlined in the Amico Mobility Solutions Corporation specifications; including but not limited to proper usage and servicing of systems according to factory recommendations. It does not cover damages as a result of shipment failures, accidents, misuse, abuse, neglect, mishandling, alternation, misapplication or damages which may be attributed to acts of God.

The manufacturer's warranty is void if persons unauthorized by Amico Mobility Solutions Corporation perform work on the GoLift Patient Lift or the GoLift Portable450 lift systems. Specifically, only an individual trained by Amico Mobility Solutions Corporation is to perform service to the equipment. Warranty coverage does not include incorrect performance due to unauthorized service.

Amico Mobility Solutions Corporation under the terms of this guarantee shall be limited to the servicing of defective parts and shall not be liable for incidental or consequential damages resulting from the use of the equipment.

All claims for warranty must first be approved by Amico Mobility Solutions Corporation's Service Department at amo-service@amico.com or through Amico's direct lines: 905-747-2032 or 1-833-843-8470. A valid Return Goods Authorization (RGA) number must be obtained from Amico Mobility Solutions Corporation prior to commencement of any service work. Warranty work which has not been pre-authorized by Amico Mobility will not be reimbursed.



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