

# Adaptive Engineering Inc.



Thank you very much for your interest in Adaptive Engineering and the Mobilift portable wheelchair lift. This package is intended to further introduce you to the Mobilift as an manually operated wheelchair lift that facilitates wheelchair access to your rail operation instantly – no installation, no assembly, no electrical wiring, no building modification.

Some important features of the Mobilift TX are:

## Versatile Design

Made of Aluminum and Stainless Steel, the Mobilift weighs only 295 pounds, can be easily positioned by one person, and transports easily from one location to another.

## Compact Footprint

Unlike permanent ramps, the Mobilift only occupies a 38" x 72" floor space and can be stored away from its usage area.

## Manual Operation

The Mobilift does not require a power source and therefore does not require expensive electrical building modifications. Furthermore, because there are no motors, batteries, or hydraulics to break down, the Mobilift TX is extremely reliable in all weather conditions and requires only minimal maintenance.

## Simplicity & Safety

The Mobilift is simple to operate with easy to read pictogram instructions, reducing operator training requirements. Its sturdy design provides a stable and secure lifting operation. ADA Compliant.

We look forward to discussing your unique situation with you. Please call us toll free at 1 (800) 448 4652 to learn more.

Terry Clarke  
Adaptive Engineering inc.

# The Mobilift TX

## Wheelchair Lifts for Railroads & Trains

Specifications and Technical Reference

**Adaptive Engineering Inc.**



*The Mobilift TX is an economical way to provide passengers in a wheelchair access for trains and railroads.*

*It is easy to use, requires virtually no maintenance and is ADA compliant.*

*May not be exactly as shown in picture.*

### Product Abstract

The Mobilift TX portable wheelchair lift is an economical, manually-operated lift that provides passengers in a wheelchair access to commuter rail, heavy rail as well as historic and tourist operations. The lift is ADA compliant and can quickly be put in place without costly and time consuming platform modifications or retrofitting of cars.

The Mobilift TX is manually powered making it easy to use and highly portable. The absence of batteries, hydraulic and electric components make the lift extremely reliable and virtually maintenance free.

The high-efficiency cranking system means lifting a 300lb passenger requires only 11lbs of crank force. Typical lifting time to the lift's maximum height of 60" is 20 seconds. An operator's manual and easy to understand pictogram instructions on the unit make training easy.

### Weight & Dimensions

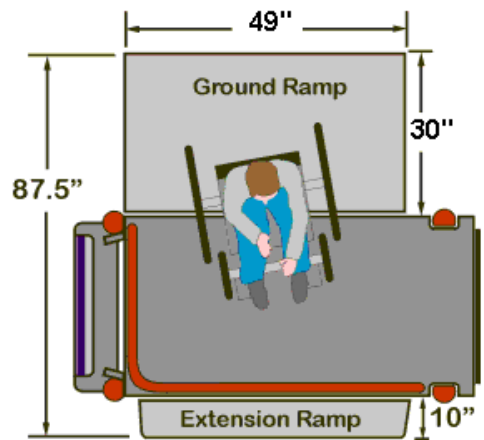
The Mobilift TX is manufactured to exacting tolerances using aluminum and stainless steel. Critical components have been tested successful for extreme weather performance from -50° to +130°F to ensure low-cost, trouble-free use. The lift conforms to stringent safety requirements with each lift factory load tested to 3000 lbs. – five times the rated load.

Typical lifting time:	20 seconds to maximum height of 60"
Maximum lifting height:	60" (1.52m)
Crank force required:	5 lbs to lift 150 lbs., 11 lbs. To lift 300 lbs.
Capacity:	600 lbs (275kg)
Lift weight:	295 lbs. (135 kg)
Lift height:	66" (1.67m)
Lift width:	37.5" (0.95m)
Length:	72" (1.83m)
Platform size:	34" X 56" (0.86m X 1.42m) Accommodates a large wheelchair or scooter
Bridge ramp size:	20"L X 29"W +/- ¼" (0.51m X 0.74m)
Ground ramp size 7.5% Grade:	40"L X 45"W +/- ¼" (1.02m X 1.14m)
Ground ramp size 5% Grade:	2 Piece Bi-fold hinged 60"L X 45"W +/- ¼" (1.52m X 1.14m)
Warranty:	<b>Note:</b> Other ramp sizes are available as an option 2 years from date of invoice

## Deployment Details

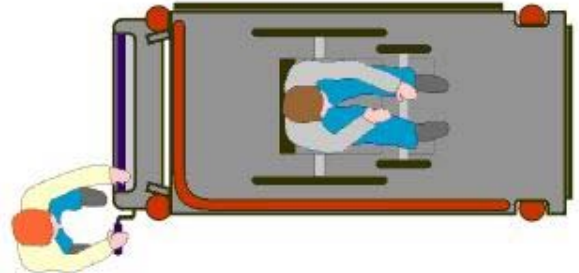
### Load

- The Mobilift TX loads from a ground ramp which folds down from the platform.
- The lift automatically self levels so it can be used on uneven ground.
- The lift's platform is large enough to accommodate electric wheelchairs or scooters.
- No special training or expertise is required to operate the Mobilift
- Pictogram decals clearly depict the lift's operating instructions.
- Self sufficient – no power is required.



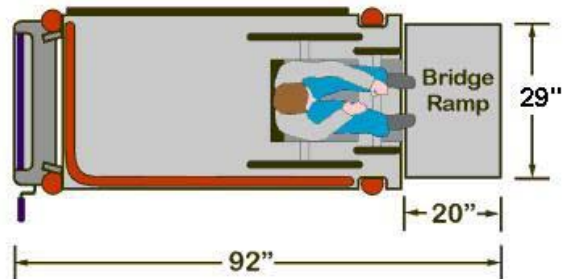
### Lift

- 20 seconds is the typical time to the maximum elevation of 60”.
- 5 lbs. Of crank force is required to lift 150 lbs.
- 11 pds of crank force is required to lift 300 pds.
- Capacity is 600lbs; all lifts are factory tested to 3000 pds.



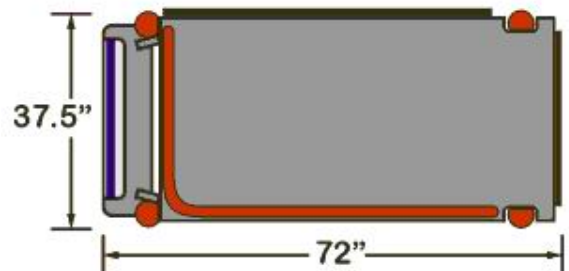
### Leave

- The Mobilift unloads using a bridge ramp.
- Bridge ramps are available in different lengths to accommodate different platform configurations.



### Moving & Storage

- The Mobilift moves and stores easily and quickly.
- 4 lbs. of force on level ground is all that is required to start a Mobilift moving – as easy as moving a shopping cart.
- Rolls well over uneven surfaces.
- Mobilifts weigh approximately 298 lbs. And can be transported in the back of any size pickup truck.
- Note: Folding-wheel design does not allow for movement of lift with person on board.



**ADA Compliance**

- The Mobilift TX is fully ADA compliant under sections 38.83, 38.95 and 38.125.

**Options**

- Metal shed enclosure
- Tarp shed
- Loading from right side
- Stair bumper
- Choice of bridge ramp lengths (30", 40", 50" or 60")
- Cranking from left side
- Oversize platform
- Custom colors

**Mobilift TX Testimonials**

"We have a total of 20 lifts in service, eight of which were purchased in 1991, the remaining 12 in 1995. The reliability of the lift is 100%. We have had no failures and only minor maintenance...I am very satisfied with the lift's operation."

Charles E. Blank  
Maryland Department of Transportation

"I thought it was time we sent a letter about how pleased we are with the mobile wheelchair lifts. We received our lifts in July of 1995, since that time our AA ridership has really increased. We have had no trouble with any of the lifts and may soon be ordering a few more. It was and has always been a pleasure doing business with you and your firm."

Tom Clark  
Caltrain

**Warranty**

Every Mobilift TX carries a 2 year warranty from the date of invoice. The lift is also covered by after-sales support and assistance. Parts can generally be shipped within 48 hours.

**Adaptive Engineering Inc.**

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**Sample Customer List**

Historic & Tourist Rail

- Alaska Railroad
- Grand Canyon Railway
- Rocky Mountain Raitours
- Napa Valley Wine Train
- Ohio Central Railroad
- North Star Rail
- Santa Fe Southern
- Strasburg Railroad
- Vermont Rail Excursions
- PA Trolley Museum
- Niles Canyon Railway
- Monticello Railway Museum
- Bluegrass Railroad
- Royal Gorge Railway
- Lahaina Kaanapali & Pacific
- Illinois Railway Museum

Heavy Rail

- Amtrak
- VIA Rail
- Swiss Federal Rail

Commuter Rail

- Caltrain, CA
- DART, TX
- New Jersey Transit, NJ
- MBTA, MA