

Journey™ Inclined Lift CSI Specifications

Section 14420
Wheelchair Lifts

PART 1 GENERAL

1.01 Summary

An inclined platform (wheelchair) lifting device, manufactured by ThyssenKrupp Access, designed to provide access within a building for mobility impaired persons. Lift consists of extruded aluminum guide rail system and automatic folding platform designed to provide building access requirements indoors or outdoors.

1.02 References

- A. Lift shall be designed, manufactured and installed in accordance with the following standards:
 - 1. American National Standards Institute (ANSI)
 - 2. American Society of Mechanical Engineers (ASME)
 - 3. ADA Accessibility Guidelines (ADAAG)
 - 4. Intertek Testing Services (ETL)
 - 5. International Building Code (IBC)
 - 6. National Electric Code (NEC)
 - 7. Ingress Protection (IP55)
 - 8. Underwriters Laboratories (UL)

1.03 System Description

- A. Traction System: Rack and pinion
- B. Motor: 230 VAC, 60 Hz single-phase, 20A with ground.
- C. Platform Configuration Travel (specify): straight-thru or 90° side exit.
- D. Maximum Travel: 131'
- E. Capacity: 660 lbs. for inclines 0° to 35°; up to 550 lbs. for inclines greater than 35°.
- F. Rated Speed: 27.6 ft./min.
- G. Platform Size (specify):
 - 33" x 41"
 - 35" x 49"
- H. Electrical Supply: Electrical contractor shall provide 230 VAC, 60 Hz single phase, 20 amp, power circuit.
- I. Non-slip surface on platform floor and ramps
- J. Operating Features:
 - 1. Platform Controls: Hand-held directional paddle switch, On/Off key switch, emergency stop switch and illuminated alarm button.
 - 2. Landing Controls: Directional paddle switch, wireless constant pressure controls via key switch and emergency stop located at each landing.
 - 3. Passenger Restraining Arms: Powered fold-up arms.
 - 4. Grounded electrical system with upper, lower and final limit switches.
 - 5. Inclination: From 0° to 45°
 - 6. Overspeed safety device.
 - 7. Platform under-panel equipped with obstruction sensors.
 - 8. Automatic powered fold-up access ramps with obstruction sensors at entrances on platform.
 - 9. Grab rail on chassis
 - 10. Fold-up seat with seat belt on chassis (optional).
 - 11. Audio visual alert.
 - 12. Manual lowering device

1.04 Quality Assurance

- A. Manufacturer: Provide wheelchair lift manufactured by a firm with a minimum of 10 years of experience in fabrication of inclined platform lifts equivalent to those specified.
- B. All designs, clearances, workmanship and material, unless specifically accepted, shall be in accordance with all codes having legal jurisdiction.
- C. All load ratings and safety factors shall meet or exceed those specified by all governing agencies with jurisdiction and shall be certified by a professional engineer.
- D. Lift shall be subject to applicable state, local and city approval prior to installation and subject to inspection after installation. Determination of and adherence to these regulations is the responsibility of the lift contractor.
- E. Substitution: No substitutions permitted.

1.05 Warranty

- A. Warranty: Manufacturer shall warrant the Journey inclined platform lift for a period of 2 years on the drive train and 1 year for parts.

1.06 Maintenance

- A. The Journey inclined platform lift must be maintained in accordance with manufacturer's instructions.

PART 2 PRODUCT

2.01 Manufacturer

- A. Provide Journey inclined platform lift, manufactured by ThyssenKrupp Access.
 - 1. Contact: 4001 E. 138th Street • Grandview • MO • Telephone: 800-925-3100 • Fax: 816-763-4467
Email: partsandservice@tkaccess.com • Web site: <http://www.tkaccess.com>

2.02 MATERIAL

- A. Track: 405 mm x 63 mm one enbloc aluminum extruded profile.
- B. Posts: 82x49x3 mm special C steel channel.
- C. Platform: 100x24x2 or 200x24x2 or 150x24x2 mm special hollow anodized aluminum channel.
- D. Chassis Frame: 60x30x3 mm and 80x50x3, 2 mm powder coated steel hollow tubing
- E. Passenger Restraining Arms: 30x5 mm diameter anodized aluminum pipe.
- F. Access Ramp: 200x4 mm anodized aluminum extruded profile.

2.03 FINISHES

- A. Anodized aluminum, powder coated steel.

2.04 ELECTRICAL SYSTEMS

- A. The electrical contractors shall provide a 230V, single phase, 20 amp, 60 Hz electrical power source connection.
- B. Electrical piping and wiring supplied by others.
- C. Final electrical connections performed by lift contractor.

PART 3 EXECUTION

3.01 ACCEPTABLE INSTALLERS

- A. Installers shall be experienced in performing work of this section who have specialized in comparable work to that required for this project.
- B. Installers shall be certified and trained by the manufacturer.

3.02 EXAMINATION

- A. Use field dimensions and approved manufacturer's shop drawings to examine substrates, supports and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected.

3.03 INSTALLATION

- A. The Journey inclined platform lift shall be installed in accordance with manufacturer's instructions and as specified as approved by architect.
- B. Electrical piping and wiring by others. Final electrical connections and lift adjustments by lift contractor.

3.04 DEMONSTRATION

- A. The lift contractor shall make a final check of the lift's operation with the Owner or Owner's representative present prior to turning the lift over for use. The lift contractor shall determine that operating and safety devices are properly functioning.

END OF SECTION

Notes: The intent of specification is to broadly outline equipment required, but does not cover details of design and construction.

Dimensions and specifications are subject to constant change and continually evolving codes and product applications. For additional technical information, contact ThyssenKrupp Access at **800-925-3100** or visit our website at **www.tkaccess.com**.