

Glacier Platform Lift, Part Number 163197

The Swim-Lift® Glacier Platform lift shall be designed for use with in-ground swimming pools. The lift has been specifically designed to replace or augment a pool ramp in a pool having no less than 36" [0.914m] of total water depth (deck to floor of pool) at the lift install site. This lift is self-operated and electrically (low voltage) powered. The lift is rated for a 600-lb lifting capacity with a safety factor of 1.5.

Lift Specifications:

Operating Controls and Power Source

A four-channel radio frequency receiver/transmitter shall control the operation of the platform lift. Four wireless handsets are provided to allow operation from pool deck platform affixed to the rail on entry and exit, then two additional transmitters shall be provided unfixed to the lift. The handsets are operable by either left or right hand and shall be ergonomically designed for ease of use. The handsets shall be sealed to prevent water damage. Four control buttons shall provide directional control, two of which will cause vertical travel of the lift, and a lockout button to restrict usage of the unit. The operation of the handsets shall require a constant button pressure no greater than 2 lbf [8.9 N]. A 24-VDC rechargeable battery shall power the lift's drive motor and radio frequency control receiver, an extra battery shall be provided with the unit. The control box and battery assembly shall be mounted to the lift and include a hard wired emergency up/down momentary control switch at the console. A battery charger shall be provided with an electrical power cord, for remote installation.

Lift Structure

The Glaciers' structural components shall be fabricated from 316L stainless steel. These stainless components shall be precision joined using GMAW and GTAW processes depending on the thickness and loading of the structure. The stainless steel will be electro-polished and passivated in accordance with ASTM A967 guidelines, then the unit shall be coated with Spectra Shield to ensure maximum corrosion resistance. The majority of the lifting column shall be skinned with ¼" grey pultruded fiberglass sheet with a polyester resin that is UV inhibited for extremely long service life. The lift structure shall be customized during fabrication to the specific pool depth for service. Final adjustments on site to match the deck of the lift up to the finished pool deck shall be done with 4 non-marring pressure feet at the bottom of the structure and an adjustable metal stop on the carriage located within the lifting column.

Platform Structure

The lift shall be fitted with a platform of dimensions 40" [1.016 m] by 46" [1.168 m]. The platform shall have two 34" [0.86 m] tall 1.5" 316L stainless steel handrails on each 46" [1.168 m] side. The stainless steel handrails shall be filled with a clear polycarbonate panel. The platform structure shall be constructed of heavy gauge 304L stainless steel and the platform surface shall be pultruded fiberglass T-Bar grating with an extreme nonslip UV inhibited grit textured surface. There shall be a gate to prevent entrapment beneath the lift platform. The gate shall consist of a stainless steel frame surrounding a clear polycarbonate panel.

Lifting Components

The lifting components shall be made for long life in aquatic environments, and shall be serviceable to ensure safe and consistent operation. The lifting system shall be designed as a redundant system to maximize safety and product life. The lifting mechanism shall be two Stainless Steel power screws joined and driven by a high performance carbon fiber belt designed to outlast any other known drive system of this type, and need no adjustment through product life. The power screw shall drive the lift carriage through permanently sealed stainless steel food grade bearings and proprietary linear lead screw nuts. The power screw assembly itself shall require no grease and use the pool water as the working lubricant. The carriage shall ride on proprietary polymer plane bearings and stainless steel rollers, six total to distribute the loads evenly and safely. The polymer plane bearings shall require no lubrication beyond the pool water.

Warranty

The lift shall carry Spectrum standard 2 year limited warranty, which can be found at



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