

ITEM/STANDARD	FEATURES	BENEFITS
Steel Frame	<ul style="list-style-type: none"> Galvanized fabrication, plated fasteners 	<ul style="list-style-type: none"> Can be built to any length in 10' increments with a single-drive system All sections furnished pre-assembled Modular construction allows for length modification in 10' increments
Hook & Pin Connecting Joints	<ul style="list-style-type: none"> Allows up to 3° convex/.5° concave angular change per joint 	<ul style="list-style-type: none"> Easy to install Terrain-following
Support Legs	<ul style="list-style-type: none"> Manually adjusts 18" to sit 28" off ground level Adjust and pivot to ground slope differences 	<ul style="list-style-type: none"> Can be anchored to any solid surface (i.e. soil or timbers) Offers season-long stability
Head/Drive Section	<ul style="list-style-type: none"> Length: 1.8m/5'-11" (5-15HP) 1.8m/5'-11" (20-30HP) 2.4m/7'-11" (40-60HP) 	<ul style="list-style-type: none"> Built-in 8° decline to facilitate discharge Top hatch access to lift drive machinery Includes 18-24" wide walkway extension on each side (24" for 20+HP)
<ul style="list-style-type: none"> Drive Pulley Drive Motor 	<ul style="list-style-type: none"> 42.5cm–63.5cm/17"-25" diameter (based on HP) Shaft-mounted integral gear motor, premium efficiency 	<ul style="list-style-type: none"> Oversized to offer optimal surface friction and traction Uses no sprockets, chains or V-belts Low maintenance Integral backstop included on 20+HP systems
<ul style="list-style-type: none"> Safety Relief Plate 	<ul style="list-style-type: none"> Complies with ANSI B77, Section 7: 7.1.2.11.2 and CSA Z98-01 Clause 9.6.3 	<ul style="list-style-type: none"> Activates E-Stop in event of interference with pinch point
<ul style="list-style-type: none"> Brush Cleaner 	<ul style="list-style-type: none"> Nylon bristle brush to clean ice/snow from return side of belt Powered by 2 HP motor 	<ul style="list-style-type: none"> Continuously cleans belt while system is in operation, switch operated
Tail/Load Section	<ul style="list-style-type: none"> Length: 2.4m/7'-10" Contains constant screw-type automatic belt tension independent of temperature and load variation. Dynamic gravity counterweight and hydraulic systems also offered. 	<ul style="list-style-type: none"> Set level for smooth loading Allows for 15° maximum angle from load platform to first lift section
<ul style="list-style-type: none"> Tail Pulley 	<ul style="list-style-type: none"> 25cm–40cm/10"-14" tail pulley diameter 	<ul style="list-style-type: none"> Rubber lagging helps to remove ice/snow from underside of the belt

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Intermediate Section	<ul style="list-style-type: none"> • 3m/119” long each • Low friction plastic slider bed - new Levant texture • Full-length edge guide system and return belt guides • Includes 12” wide integral side walkway extensions with Ski Carpet installed (optional 18” width available) 	<ul style="list-style-type: none"> • Modular design • Reduces belt friction and minimizes freeze-up in adverse weather • Concealed belt guide ensures proper belt alignment • Meets ANSI requirements
Belting	<ul style="list-style-type: none"> • “Magic Grip” belt - proprietary to Magic Carpet Lifts • 60cm/24”, 75cm/30”, 90cm/36” widths standard, with other widths available • Carcass construction varies based on length and motor power 	<ul style="list-style-type: none"> • Provides UV stabilization and high-grip surface. Additionally, the surface design expels ice and snow • 40 durometer rubber for ideal surface grip • Open chevron pattern allows for drainage
Electrical	<ul style="list-style-type: none"> • Pre-assembled controls in NEMA 4 enclosure • AC Variable Speed Drive (Emerson-Control Techniques) • LED status lights either door or side mount • Quick connects for motors and control power 	<ul style="list-style-type: none"> • Factory tested to ensure reliability • Worldwide support • Area choice of electrical input power: 240/380/480/600 VAC (460-480 VAC standard)
OPTIONAL:		
Canopy	<ul style="list-style-type: none"> • Durable bronze tinted or clear polycarbonate design other color options available • Lockable end doors • Sliding polycarbonate side doors 	<ul style="list-style-type: none"> • 100 MPH wind load rated and 70-100 pounds per square foot snow load ratings • Keep snow off equipment, reduce maintenance
Handrails	<ul style="list-style-type: none"> • Speed Rail design 	<ul style="list-style-type: none"> • Use for elevated systems
Surface Tarpaulin	<ul style="list-style-type: none"> • 18 oz. Vinyl coated nylon material, custom sized • Perimeter grommets on 2’ centers for tie down 	<ul style="list-style-type: none"> • Protects system from elements year around such as overnight snow build up or UV Rays and dirt during off season
Special Electrical Requirements	<ul style="list-style-type: none"> • Accommodations for special voltage requests, plugs, etc. (UL and CSA available) 	<ul style="list-style-type: none"> • Flexibility to work with customized area requirements

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18" wide walkway extensions	<ul style="list-style-type: none"> • Wider walkway surface adjacent to moving belt 	<ul style="list-style-type: none"> • Easier to walk alongside belt/buffer for grooming machines/ • Meets handrail requirements
Dynamic Belt Tension	<ul style="list-style-type: none"> • Gravity counterweight or hydraulic system 	<ul style="list-style-type: none"> • Maintains a constant belt tension on longer length systems with higher horsepower

INCLUDED WITH LIFT PURCHASE:

Engineering Packet, P.E. stamped, to include:

- ANSI/CSA requirements and Pre-Installation Criteria
- Technical Specifications and Analysis
- Acceptance Test Procedure
- Component Specifications
- Mechanical Component Drawings
- Electrical Schematics

AREA RESPONSIBILITIES:

- Site preparation and mechanical installation
- Third party engineer review for State/Provincial compliance
- Electrical field wiring
- Freight, Free on Board (FOB) Denver factory
- Applicable taxes