

ITEM/STANDARD	FEATURES	BENEFITS
Steel Frame	<ul style="list-style-type: none"> <li>Galvanized fabrication, plated fasteners</li> </ul>	<ul style="list-style-type: none"> <li>Can be built to any length with a single drive system</li> <li>All sections furnished pre-assembled</li> <li>Modular construction allows for length modification</li> </ul>
Hook & Pin Connecting Joints	<ul style="list-style-type: none"> <li>Allows up to 5° convex/2° concave angular change per joint</li> </ul>	<ul style="list-style-type: none"> <li>Easy to install</li> <li>Terrain-following</li> </ul>
Support Legs	<ul style="list-style-type: none"> <li>Manually adjusts 18" to 28" off ground level</li> <li>Adjust and pivot to ground slope differences</li> </ul>	<ul style="list-style-type: none"> <li>Can be anchored to any solid surface (i.e., soil or timbers)</li> <li>Offers season-long stability</li> </ul>
Head/Drive Section	<ul style="list-style-type: none"> <li>Length: 1.8m/5'-11" (5-15HP)</li> <li>1.8m/5'-11" (20-30HP)</li> <li>2.4m/7'11" (40-60HP)</li> </ul>	<ul style="list-style-type: none"> <li>Built-in 8° decline to facilitate discharge</li> <li>Top hatch access to lift drive machinery</li> <li>Includes 18-24" wide walkway extension on each side (24" for 20+HP)</li> </ul>
<ul style="list-style-type: none"> <li>Drive Pulley</li> </ul>	<ul style="list-style-type: none"> <li>42.5cm–63.5cm/17"-25" diameter (based on HP)</li> </ul>	<ul style="list-style-type: none"> <li>Oversized to offer optimal surface friction and traction</li> </ul>
<ul style="list-style-type: none"> <li>Drive Motor</li> </ul>	<ul style="list-style-type: none"> <li>Shaft-mounted integral gear motor, premium efficiency</li> </ul>	<ul style="list-style-type: none"> <li>Uses no sprockets, chains or V-belts</li> <li>Low maintenance</li> </ul>
<ul style="list-style-type: none"> <li>Safety Relief Plate</li> </ul>	<ul style="list-style-type: none"> <li>Complies with ANSI B77, Section 7: 7.1.2.11.2 and CSA Z98-01 Clause 9.6.3</li> </ul>	<ul style="list-style-type: none"> <li>Activates E-Stop in event of interference with pinch point</li> </ul>
<ul style="list-style-type: none"> <li>Brush Cleaner</li> </ul>	<ul style="list-style-type: none"> <li>Nylon bristle brush to clean ice/snow from return side of belt</li> <li>Powered by 2 HP motor</li> </ul>	<ul style="list-style-type: none"> <li>Continuously cleans belt while system is in operation, switch operated</li> </ul>
Tail/Load Section	<ul style="list-style-type: none"> <li>Length: 2.4m/7'10"</li> <li>Contains constant screw-type automatic belt tension independent of temperature and load variation. Dynamic gravity counterweight systems also offered.</li> </ul>	<ul style="list-style-type: none"> <li>Set level for smooth loading</li> <li>Allows for 15° maximum angle from load platform to first lift section</li> </ul>
<ul style="list-style-type: none"> <li>Tail Pulley</li> </ul>	<ul style="list-style-type: none"> <li>25cm–40cm/10"-14" tail pulley diameter</li> </ul>	<ul style="list-style-type: none"> <li>Rubber lagging helps to remove ice/snow from inside the belt</li> </ul>
Intermediate Sections	<ul style="list-style-type: none"> <li>3m/119" long each</li> <li>Low friction plastic slider bed</li> <li>Full-length edge guide system and return belt guides</li> <li>Includes 12" wide integral side walkway extensions with Ski Carpet installed (optional 18" width available)</li> </ul>	<ul style="list-style-type: none"> <li>Modular design</li> <li>Reduces belt friction and minimizes freeze-up in adverse weather</li> <li>Concealed belt guide ensures proper belt alignment</li> <li>Meets ANSI requirements</li> </ul>
Belting	<ul style="list-style-type: none"> <li>NEW "Magic Grip" belt - proprietary to Magic Carpet Lifts</li> <li>60cm/24", 75cm/30", 90cm/36" widths standard, with other widths available</li> <li>Carcass construction varies based on length and motor power</li> </ul>	<ul style="list-style-type: none"> <li>Provides UV stabilization and high-grip surface. Additionally, the surface design expels ice and snow <ul style="list-style-type: none"> <li>Open chevron pattern provides drainage</li> </ul> </li> </ul>
Electrical	<ul style="list-style-type: none"> <li>Pre-assembled controls in NEMA 4 enclosure</li> <li>AC Variable Speed Drive <ul style="list-style-type: none"> <li>LED status lights either door or side mount</li> </ul> </li> <li>Quick connects for motors and control power</li> </ul>	<ul style="list-style-type: none"> <li>Factory tested to ensure reliability</li> <li>Worldwide support</li> <li>Area choice of electrical input power: 240/380/480/600 VAC (460-480VAC standard)</li> </ul>



**OPTIONS:**

Canopy	<ul style="list-style-type: none"> <li>• Durable fiberglass design</li> </ul>	<ul style="list-style-type: none"> <li>• 100 MPH wind load rated</li> <li>• Keep snow off equipment, reduce maintenance</li> </ul>
Plastic Conveyor Cover Surface Tarpaulin	<ul style="list-style-type: none"> <li>• Corrugated arch design, injection molding</li> <li>• 18 oz. Vinyl coated nylon material, custom sized</li> <li>• Perimeter grommets on 2' centers</li> </ul>	<ul style="list-style-type: none"> <li>• Low-cost option for all-season belt protection</li> <li>• Protects system from elements year-round</li> </ul>
Special Electrical Requirements	<ul style="list-style-type: none"> <li>• Accommodations for special voltage requests, plugs, etc. (UL and CSA available)</li> </ul>	<ul style="list-style-type: none"> <li>• Flexibility to work with customized area requirements</li> </ul>
18" wide walkway extensions	<ul style="list-style-type: none"> <li>• Wider walkway surface adjacent to moving belt</li> </ul>	<ul style="list-style-type: none"> <li>• Easier to walk alongside belt/Buffer for grooming machines</li> </ul>
Dynamic Belt Tension	<ul style="list-style-type: none"> <li>• Gravity counterweight or hydraulic system</li> </ul>	<ul style="list-style-type: none"> <li>• Maintains a constant belt tension on longer length systems with higher horsepower</li> </ul>

**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, FOB Denver factory
- Applicable taxes