



1. TECHNICAL SPECIFICATIONS

1.1 GENERAL DATA

Doppelmayr Lift Type..... 4-CLD
Horizontal length (ft)..... 4382
Vertical Rise (ft) 1371
Drive Location Bottom
Tension Location..... Bottom
Ninety Degree Loading Yes No
Drive Terminal Length – UNIG..... S M L XL
Return Terminal Length –UNIG S M L XL
Maintenance / Parking Rail Drive Terminal Return Terminal
Maintenance / Parking Rail Capacity73 stored on grip covered rails 25 stored in the
drive terminal with conveyor lifting
Maintenance Switch – Electric 90 Degree Parallel
Maintenance Switch – Manual Parallel Only
Terminal Grip Path Weather Doors – Manual..... N/A Drive Return
Tire bank lifters – Electric..... N/A Drive Return
..... Full Station Curve Only
Carriage Travel (m)..... 5 Return Terminal
Line Gauge (m)..... 4.8
Drive Operators Enclosure.....5'x8' 8'x12' 8'x20' Buyer Supplied
Including: Buyer suppliedHeaters Lights Partition for AC Drive
Return Operators Enclosure5'x8' 8'x12' 8'x20' Buyer Supplied
Including: Buyer SuppliedHeaters Lights
Remote Machine Controls for Drive Station: Remote Machine Controls for Return Station:
 Incoming Fixed Mount* Incoming Fixed Mount
 Incoming Portable Pedestal Incoming Portable Pedestal
 Outgoing Fixed Mount Outgoing Fixed Mount*
 Outgoing Portable Pedestal Outgoing Portable Pedestal
 In drive terminal* In return terminal*
 Operator house Desk* Operator house Desk*
 Wireless chest pack Wireless chest pack
Drive Bullwheel Diameter (m) 4.4
Return Bullwheel Diameter (m)..... 4.8
Rope Speed (maximum m/s) 5.08
Uphill Capacity (Initial)* (PPH) 2400



Uphill Capacity	(Design)** (PPH).....	2400		
Number of Carriers	(Initial) (approx.).....	98		
Number of Carriers	(Design) (approx.).....	98		
Carrier Interval	(Initial) (seconds).....	6.0		
Carrier Interval	(Design) (seconds).....	6.0		
Carrier Spacing	(Initial) (ft).....	30.49		
Carrier Spacing	(Design) (ft).....	30.49		
Combination Footrest/Restraining Bar	<input checked="" type="checkbox"/>		
	or			
Restraining Bar Only	<input type="checkbox"/>	Child Friendly <input type="checkbox"/>	Alta Style <input type="checkbox"/>
Icolan Seat Pads – Not Removable	<input type="checkbox"/>		
	or			
Deluxe Seat Pads – Removable 1 ½ inch Foam	<input checked="" type="checkbox"/>		
Icolan Back Padding – Not Removable	<input type="checkbox"/>		
	or			
Back Pads – Removable ½ inch Foam	<input checked="" type="checkbox"/>		
Wind Slat Seatbacks	<input type="checkbox"/>		
Standby Drive Speed (APU) (%).....		80%	(Priced optionally)	
Evacuation Drive Speed (EPU) (fpm).....		185		
Downhill Capacity	Maintenance Only / Foot Passengers		
Haul Rope Diameter (mm).....		41		
Trip Time (minutes).....		4.6		
Rotation.....		CCW		
Snow Depth (ft.)(bottom – in maze).....		2		
Snow Depth (ft.)(bottom/top – at load point).....		1		
Snow Depth (ft.)(top - toe of ramp).....		3		
Snow Depth (ft.)(line).....		4		
Ski Under Clearance.....		Tower 3 up & minimal clearance through the top five towers		
Supply Voltage at Drive.....		480 VAC		
Supply Voltage at Return.....		220 VAC	Single Phase	
Power Frequency.....		60 Hertz		
Allowable Voltage Variation.....		± 5%		
Transformer impedance.....		± 3%	at Recommended kVA rating	

*/ ** Initial/Design capacities are theoretical calculations and assume that every carrier/cabin is fully loaded. Actual capacity could be lower and is dependent on many factors including: skier ability level, ramp and maze design, ticket checking, etc.



1.2 DRIVE EQUIPMENT DATA

Main Drive - (AC priced optionally)	ABB DC Digital Regenerative Drive and DC Motor sized to fit the application of the lift at 110% of the designed theoretical load
Main Disconnect and Distribution Panel.	Included <input checked="" type="checkbox"/> Not Included <input type="checkbox"/>
Standby Power Unit – (APU priced optionally)	Diesel Power Unit w/Torque Converter and Full Time Controls sized to fit the application of the lift at 100% of the designed theoretical load
Standby Diesel EPA Rating	Tier 3 - Emergency use only <input checked="" type="checkbox"/>
Evacuation Power Unit –(EPU).....	Diesel Power Unit w/ PTO sized to fit the application of the lift at 100% of the designed theoretical load
Fuel Tanks – (400 gal – APU, 60 gal – EPU)	In Terminal Type - Included
Drive Gear Reducers	Lohmann w/Oil Cooler
Bullwheel Backstop.....	Caliper on Bullwheel Flange – spring applied
Emergency Brake	Caliper on Bullwheel Flange – spring applied
Service Brake.....	Disc/Caliper on Gearbox Input Shaft – spring applied
Loading Gate	Fixed <input type="checkbox"/> Swivel <input type="checkbox"/> Vault <input type="checkbox"/>
Basic Terminal Set Up Tools	Included

1.3 LINE EQUIPMENT DATA

Number of Towers	16 ea. 24" Dia.
Tower Finish	Painted <input type="checkbox"/> Primed Only <input type="checkbox"/> Galvanized* <input checked="" type="checkbox"/> Dulled <input type="checkbox"/>
Ladder Ascenders (tower equipment only)	Included - New Tower Masts Only
Crossarm Walkways and Lifting Frames	Included - Galvanized
Grip	Doppelmayr DT <input checked="" type="checkbox"/> Dual Position Torsion Spring
Premium European Haul Rope	Bright (uncoated) with Plastic Core
Haul Rope Galvanized	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>
Sheaves	Doppelmayr 400 mm Dual Snap Ring
Sheave Liners	Doppelmayr 400 mm
Sheave Assembly Walkways - Galvanized	<input checked="" type="checkbox"/>
or	
Anemometer	One <input type="checkbox"/> Two <input checked="" type="checkbox"/> More _____
Aerial Communication Line Cable..... (19 AWG Copper - Aerial with 3/8" Messenger)	25 Pair <input type="checkbox"/> 37 Pair <input checked="" type="checkbox"/> 50 Pair <input type="checkbox"/>
Aerial Fiberoptic Line	N/A <input checked="" type="checkbox"/> SM <input type="checkbox"/> MM <input type="checkbox"/>
Fiberoptic cable strand quantity	12 <input checked="" type="checkbox"/> 144 <input type="checkbox"/> Other _____
Galvanized Work Platform with Grip	Included <input checked="" type="checkbox"/> Not Included <input type="checkbox"/>