

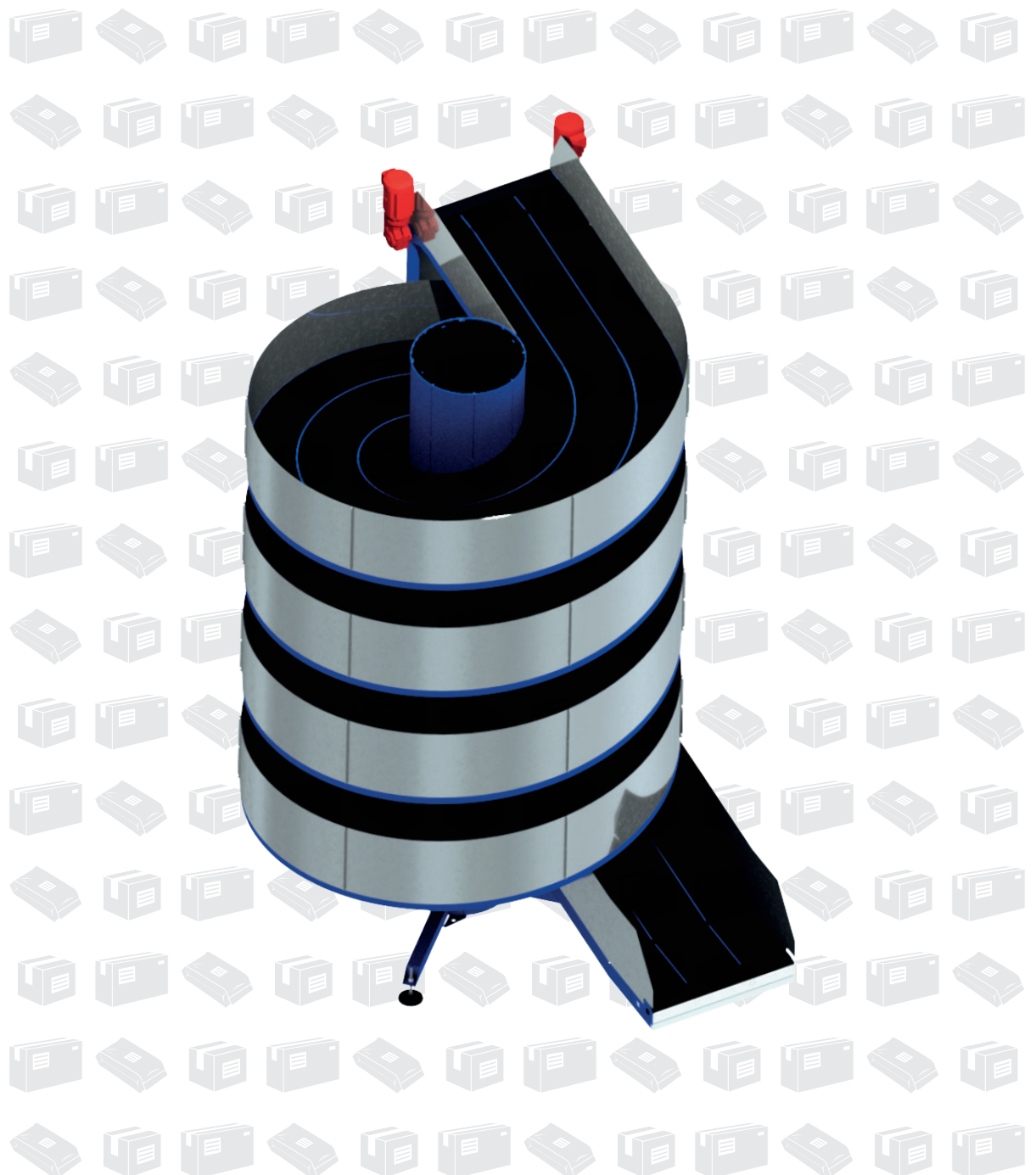


PDC

PreDefined Configuration

SPIRALVEYOR[®] PARCELLIFT

For e-commerce and express delivery



The most compact way to elevate parcels

Reductions in costs and handling times are the motives in the logistics process. Especially when it comes to elevation you need an effective non bottleneck solution. For cartons, boxes, totes, cases and containers used in cross docking, pick modules and truck (un)loading, there is great need for an effective solution.

An option that is gaining in popularity is the spiral conveyor belt, and in particular the SpiralVeyor® by AmbaFlex. Since AmbaFlex invented the spiral conveyor, the company has evolved from a pioneer to market leader. Even though thousands of AmbaFlex SpiralVeyors® are used around the world, the company has not been resting on its laurels. AmbaFlex focuses solely on spiral conveyors: A spiral conveyor solution for each application!

DISTINCTIVE FEATURES



Super grip spiral belt

Standard fitted with high friction belting (only available at AmbaFlex) that allows for extreme inclines without goods slipping down<ask more>



Endless stainless guide plate

Standard fitted with an endless stainless steel low friction/ jam-free guide plate (only available at AmbaFlex)<ask more>



Multi chain option

The multi-track spiral conveyor belt is unique and awarded with numerous patents. The parallel roller chains that pull the belt multiply its pull strength and with it its ability to transport heavy loads<ask more>



One Minute Maintenance

The only spiral conveyor that does not require tools for belt maintenance. Slats can easily be snapped on and off by hand. A quick, one minute fix for those rare cases it's needed at all<ask more>



Tip support

Budget spiral conveyors are only supported in the middle and do require centred infeed. All purpose heavy duty spirals support both the middle as the tips of the slat belt no lining requirement and designed for heavy duty<ask more>



Multi-track belting

The Multi-Track option allow Spiral Conveyors with extreme wide belts to be built for high-performance conditions while remaining compact. Space savings of up to 50% are possible, and by doubling or tripling the number of drive chains, the load capacity multiplies with it making it suitable for truly heavy duty tasks <ask more>

PREDEFINED CONFIGURATION

The Parcellift configuration

The SpiralVeyor® Parcellift is a special configuration for a spiral conveyor used in parcel handling. The transport of a large variation of parcels, polybags and flats needs to be carried out safely, economically and efficiently. The Parcellift is used for transportation around the loading dock, around sorter inducts and sorter exits and at pick-to-belt warehouse solutions. The SpiralVeyor® programme is wide and contains conveyors tailored to every application. Do not hesitate to ask about a SpiralVeyor® if the Parcellift configuration is not suitable for your specific application.

CONFIGURATION

- From the world's most installed spiral conveyors, the AmbaFlex SpiralVeyor® Parcellift inherits the excellent engineering but is tuned into a lean logistic design reducing costs and retaining value.
- The Parcellift is standard fitted with two or three seamless parallel tracks that act as one belt. It can elevate parcels, flats, polybags of various dimensions and oversize cartons and containers at varying weights safely.
- The Parcellift is designed to run in a logistics environment where fast and secure transport of goods is key. The machine is built lean, only the components needed for the specific application are chosen without losing any of the sturdy AmbaFlex characteristics.
- Resulting in significant savings in investment, without losing safe and secure transport of valuable goods.
- The optional horizontal upper-end allows for smooth transfers with adjacent conveyors without the need for intermediate belts.
- The optional shortened lower end secures product transfer
- Standard the Parcellift is rated for SR30 up to 30m/min suited for most applications. For high speed requirements, the optional higher speed ranges are available up to SR 60 (1m/s).
- The Parcellift is standard fitted with the AmbaFlex unique maintenance alert sensors that signals the need for belt slack maintenance. Optionally the self-containing maintenance alert system box can be fitted to lower the costs of your line maintenance to the absolute minimum.

FUNCTION

Designed for elevation up or down of postal & parcel goods, flats, envelopes, polybags and oversized cartons and containers. Maximum possible SpiralVeyor inclination: 33% Incline Stability Angle. See **ISA** for test description.

ENVIRONMENT

Ambient temperature: 5°C - 35°C
Relative humidity: RH<55%.

GOODS



Polybags



Envelopes



Corrugated shipping cartons

OTHER CONFIGURATIONS

For applications in warehousing and distribution, almost any other configuration can be built from the options listed in the SpiralVeyor® Product Data Sheet (PDS). The other configurations that are most frequently used in warehousing and distribution areas are:

- LogiLift, suited for smaller shipping cases lines, totes and cartons
- ToteLift, especially configured to transport uniform based containers up or down.

Ask for our program on wide belt spirals for this purpose.

- Secondary packed case (SKU) handling. Ask for our order release module spiral feed and take away program.
- Extreme elevation, over multiple floor levels or high pick modules.
- Roof suspended SpiralVeyor
- Sub-zero applications.
- Sequencing, accumulation and sortation spiral conveyors.

COMFORT ZONES

- Minimum speed for transferring polybags = 20m/min.
- Polybags may not contain cylindrical or spherical objects.

Description

Code option no.

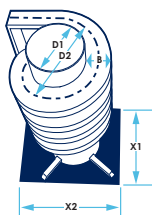
Dimensions

Belt Width (B)

Column Width (D1)

Centreline Diameter (D2)

Footprint (X1 / X2)



SVe-600-1420

270

SVe-800-1712

273

SVe-1000-1824

275

600 mm

760 mm

1412 mm

2060x2160 mm

800 mm

760 mm

1712 mm

2560x2610 mm

1000 mm

760 mm

1824 mm

2880x2960 mm

Function

Continuous elevation

Load capacity LC50 kg/m

Code

Frame

Frame mild steel, with industrial coating finish

Frame mild steel, with high gloss finish

Track upper end - horizontal

Track lower end - inclined

Track lower end - horizontal

Spiral track configuration: heavy duty

Support frame for floor mounted

Shortened lowerend L1=300

Belt & Guides

Belt style TPO

Belt roller guide system, Triple-E single roller

Endless stainless steel product guide plates

on outer track radius (175 mm)

Endless stainless steel product guide plates

on outer track radius (250 mm)

Outer guide no offset

Finishing & Guarding

Spiral track underguarding up to 2.5 m height

Spiral track under guarding over full height

Environment/material configuration pack, dry use ("S")

Drive system

Motor protection class IP54

220-242/380-420V 3ph/50Hz, mass and zero

SEW gear drive

Speed range SR18 (m/min)

(Speed ranges SR24, SR30, SR42, SR60)

SEW gear drive including Movimot 1:5

Constant radial speed

Accessoires

Belt service access panel

Missing slot & tab detection sensors

Chain slack sensors

Polycarbonate junction box

Maintenance Alert System v2.0

Waterfall transfer

In/out feed configurations



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(Optional other configurations)



● standaard
● no option
○ option