

DATA SHEET **AUTOMATIC LINE COMFORT**

Automatic lifts



**BKG**

Automatic lifts | EN 81-3 / Machinery directive 2006/42/EG

Basic data:

- Load capacity 20 kg
- One-sided or through-loading
- Vertical bi-parting doors with individual drives
- Car with conveyor belt
- Roller conveyors in front of each landing door as double-deck roller conveyors
- Engine arrangement at the top, side or bottom of the shaft
- Nominal speed 0.3 to 1.00 m/s frequency controlled
- With safety gear for accessible spaces under the shaft

Basic equipment:

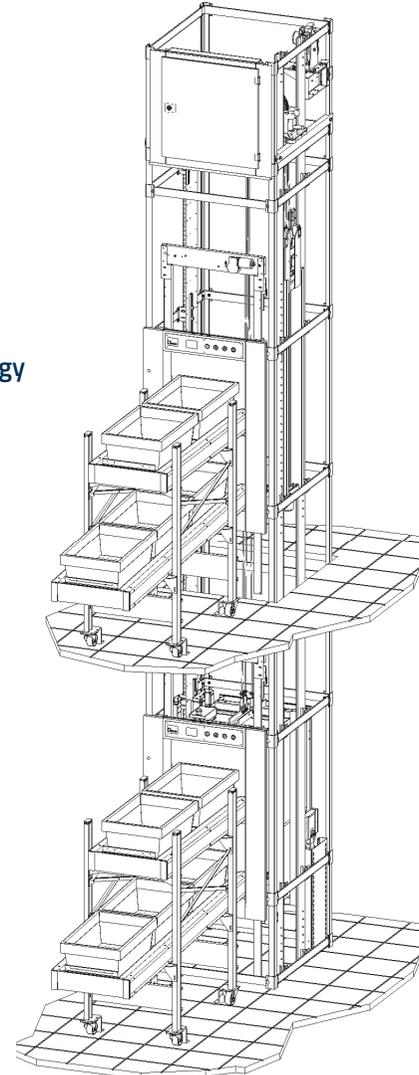
- Car and landing doors electrolytically galvanised for individual colouring
- Hot-dip galvanised shaft structure for installation in an on-site shaft
- Short assembly times due to pre-assembled components
- Drive with compact worm gear
- Siemens S7-1200 control completely pre-wired and pluggable in 24 volt technology
- Frequency inverter KEB
- Call acknowledgement, arrival signal and position indicator
- Diagnostic system

Optional:

- Up to 30 stops
- Head up to 120 m
- Fire doors based on EN 81-58
- LED car lighting and LED shaft lighting
- Materials and surfaces according to customer requirements
- Special functions and displays
- Special solutions for reduced shaft conditions
- Special car dimensions

Car dimensions:

- Width: 550 mm
- Depth: 800 mm
- Height: 800 – 1200 mm

**Functional description:**

- 1)** The user takes a container and sets the destination stop on the side of the coding bar of the container
- 2)** The container is placed on the loading conveyor and rolls from there due to the inclination of the conveyor (gravity roller conveyor) to the shaft door or is transported to the shaft door (driven roller conveyor)
- 3)** Light scanners detect the container and send a signal to the lift
- 4)** The car moves to the start stop and the landing door opens automatically
- 5)** The container is automatically drawn in and positioned in the cabin via a conveyor belt. The positioning in the cabin is monitored by light barriers while a reading unit detects the selected target stop on the container
- 6)** The landing door closes automatically
- 7)** The car drives into the destination stop
- 8)** The landing door at the destination stop opens automatically
- 9)** The container is ejected onto the unloading conveyor
- 10)** Due to the inclination of the unloading conveyor, the container rolls to the end of it (gravity roller conveyor) or the container is transported to the end of the roller conveyor (driven roller conveyor)
- 11)** If no more container space is available on the unloading lane at a selected stop, the reader detects this during loading and ejects the container at the start stop on the unloading lane. A warning signal sounds for this. This ensures that the lift is still available for all other stops