

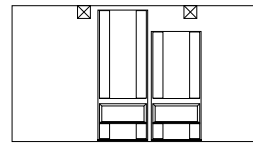


VERTICAL LIFT GUIDE

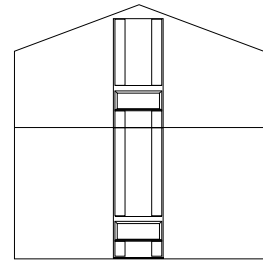
Find the right way to optimize your warehouse



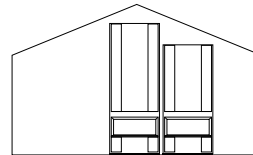
Save up to
90 % of the
floor space



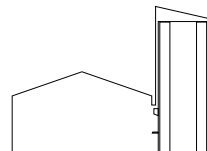
Beams in the roof



Several floors, several openings



Sloping roof



Outside the building

Optimise your stock handling

With Compact Vertical Storage Lifts, we transform all of your stock handling. Weland Solutions customise the vertical storage lift to suit your needs and help you obtain faster and simpler handling of more items in a significantly smaller area. At the same time, your staff benefit from considerably improved working conditions.

Compact vertical storage lifts store your articles vertically, securely and in a controlled way. Each vertical storage lift is adapted to make optimum use of the space. **You save 70-90% of the floor space** compared to standard shelving and pallet racks.

A vertical storage lift has large effective load trays without posts or end panels that waste space. The machine automatically measures the height of stored goods on trays and allocates an appropriate space within the machine to restore the tray. This means the storage volume is compacted to the maximum with a minimum of space between each load tray. In addition, the full height of the premises can be utilised. There are

other important advantages, such as the whole load tray slides out in the access opening, which provides **good ergonomics and a gentle working environment**.

Customised to suit your premises

Our vertical storage lifts are adapted to suit each company's premises, to ensure the **minimum possible floor area holds the largest possible storage volume**. Our standard supply height range is 3 to 16 metres. Based on the customer's existing premises with varying ceiling heights, floor structures, door placements and truck routes, etc. we maximise the storage volume on a minimum floor space.

10 STRONG BENEFITS WITH COMPACT VERTICAL STORAGE LIFTS

1. Low operating cost.
2. Efficient stock handling
3. Fast ROI (Return on investment)
4. Increase in capacity
5. Quick installation and commissioning
6. Space-saving
7. Expandable
8. Minimised incorrect picking
9. Short training time
10. Good ergonomics

VERTICAL STORAGE LIFT GUIDE

What storage needs do you have? By investing in vertical storage lifts from Weland Solutions, you **save up to 90% floor space compared to traditional storage systems**.

In the table we show a general quick guide. If you want to know for sure which vertical storage lift solution will suit your needs, you should contact one of Weland Solutions' sales persons. The three basic models are available at various heights, widths, load capacities etc. In addition, Compact Vertical lifts can integrate with various IT solutions.

Compact vertical storage lifts handle up to 1500 kg / load tray, equivalent to a small car.



Do you work with WMS / ERP? Perfect! It's super easy to sync with our software Compact Store.



Suitable for large volumes of smaller items as well as for space consuming and heavy products.



Handles two load trays at the same time and the picking speed can be more than double. When the operator picks up the first load tray, load tray two is retrieved.



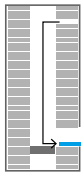
The same type of vertical storage lift as the Compact Twin but handles even more items in a smaller area with its double load trays in depth.

General need	Compact Lift	Compact Twin	Compact Double
Few picks / Few items	✓	–	✓
Few picks / Many items	–	–	✓
Many picks / Few items	✓	✓	–
Many picks / Many items	–	✓	–

The lift is driven by cogwheels that run on homogeneous gear racks. The load tray manages up to 1500 kg.



Watch a video showing
the vertical storage lift
working on
welandsolutions.com



This is how the Compact Lift works

A tray is retrieved and presented in the
picking position.



COMPACT LIFT

The lift is driven by cogwheels that run on homogeneous gear racks (rack & pinion). This provides very stable movement and precise positioning of the load tray. With less wear and reduced maintenance requirements, high operating reliability is guaranteed.

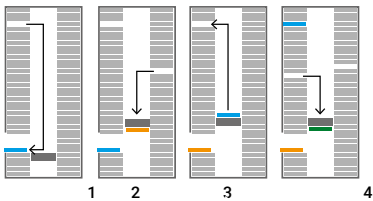
TECHNICAL INFORMATION

- Maximum load capacity: 100,000 kg
- Height: 3000–16,000 mm
- Width: 1697–6929 mm
- Depth: 1554–4248 mm
- Width, load tray: 1220–6460 mm
- Depth, load tray: 350–1230 mm
- Tray divider: 25/50 mm
- Max. load weight per load tray: 300-1500 kg
- Height of goods measurement (in 25 mm intervals)
- Height of goods measurement: option up to 1000 mm
- Safety curtain for personal protection
- Storage optimisation
- Weight check
- Password protection
- Group rights and authorisation
- Language selection
- Ambient temperature / Relative humidity (%RH)
no condensation: 2–40/10–85%
- Voltage, 3-phase: 400 V
- Current, AC 50Hz (A): 25/32

The elevator in the Compact Twin can handle two trays simultaneously, which increases the picking rate.



Watch a video showing the vertical storage lift working on welandsolutions.com



This is how the Compact Twin works

1. Tray 1 is presented at the access opening.
2. Tray 2 is then retrieved and brought to the ready position.
3. Tray 1 is removed from the opening and tray 2 is presented at the picking position.
4. Tray 1 is returned to storage and tray 3 is fetched.



COMPACT TWIN

When time is of the essence, the Compact Twin is the natural answer. This double tray system always presents trays at a safe and consistent level - without the need to pick at different tray height. By handling two load trays in the same sequence, with one tray in the waiting position and one in the picking position, the picking rate can be more than doubled.

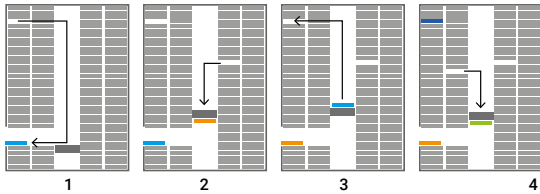
TECHNICAL INFORMATION

- Maximum load capacity: 50,000 kg
- Height: 3000–16,000 mm
- Width: 2307–4747 mm
- Depth: 1554–4248 mm
- Width, load tray: 1830–4270 mm
- Depth, load tray: 350–1230 mm
- Tray divider: 25 mm
- Max. load weight per load tray: 300-500 kg
- Height of goods measurement (in 25 mm intervals)
- Height of goods measurement: option up to 1000 mm
- Safety curtain for personal protection
- Storage optimisation
- Weight check
- Password protection
- Group rights and authorisation
- Language selection
- Ambient temperature / Relative humidity (%RH) no condensation: 2–40/10-85%
- Voltage, 3-phase: 400 V
- Current, AC 50Hz (A): 25/32

The vertical storage lift has double load trays in the depth, which means a depth up to 7286 mm.



Watch a video showing
the vertical storage lift
working on
welandsolutions.com



This is how the Compact Double works

1. Tray 1 is presented at the access opening.
2. Tray 2 is then retrieved and brought to the ready position.
3. Tray 1 is removed from the opening and tray 2 is presented at the picking position.
4. Tray 1 is returned to storage and tray 3 is fetched.



COMPACT DOUBLE

The Compact Double utilises the same unique technology as the Compact Twin but extends the storage capacity by potentially storing two trays at each location. With double load trays at each location, this results in greater storage area per square metre of floor space, with maintained efficient handling.

TECHNICAL INFORMATION

- Max. load capacity (kg): 100,000
- Height: 3000–16,000 mm
- Width: 2307–6929 mm
- Depth: 4748–7286 mm
- Width, load tray: 1835–4275 mm
- Depth, load tray: 670–1230 mm
- Tray divider: 25/50 mm
- Max. load weight per load tray: 300/500 kg
- Height of goods measurement (in 25 mm intervals)
- Height of goods measurement: option up to 1000 mm
- Safety curtain for personal protection
- Storage optimisation
- Weight check
- Password protection
- Group rights and authorisation
- Language selection
- Ambient temperature / Relative humidity (%RH)
no condensation: 2–40/10–85%
- Voltage, 3-phase: 400 V
- Current, AC 50Hz (A): 25/32



