

# OUTLIFT 500

*Compact Material Lift with  
Cantilever Rail  
(230 V Electric Drive)*



**Outlift 500** is a compact, quick-deploy material lift designed to hoist loads through window or balcony openings or from rooftops without anchoring to the façade. A cantilever rail guide extends outside the building envelope and provides automated, controlled in/out feed of the load, improving safety and load control compared to manual or improvised solutions. The system is delivered as a ready-to-use package.

Rated lifting capacity	500 kg
Maximum lifting capacity	Up to 1000 kg
Maximum lifting height	Up to 30 m
Front clear opening (span)	1.65 m
Side clear opening (between supports)	2.12 m
Power supply	1×230 V AC, 50 Hz; 1.2 kW
Principle of operation	Electric winch/hoist and electric trolley, dual-speed, automated lift / feed / lower
Controls	Wired pendant (optional radio remote)
Approximate weight (without counterweights)	340 kg



## Typical Applications

Outlift 500 is intended for façade-related and high-level material handling tasks where direct access from the ground is limited, for example:

- Hoisting façade elements, glazing units and balcony components through window/balcony openings.
- Lifting construction materials, tools and equipment from street or courtyard level up to intermediate floors.
- Feeding materials from rooftops into internal shafts or openings without fixing rails to the façade.
- Temporary lifting arrangements on refurbishment projects where permanent or anchor-based systems are not permitted.
- Projects in dense urban areas where crane access is restricted and compact lifting solutions are required.

## Key Features & Benefits

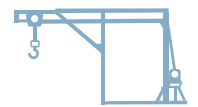
- **Facade access without drilling or anchoring:** Outlift 500 provides access to window and balcony openings without drilling or anchoring into façades, reducing installation time and avoiding damage to building surfaces.

- **Rail-guided in/out feed:** The cantilever rail guide extends outside the building and provides automated, controlled in/out feed of the load. This rail-guided motion reduces swing and increases operator control compared to free-suspended lifting.
- **Full automation of lifting / feeding / lowering:** Dual-speed electric winch/hoist and electric trolley with automated lift, feed and lower functions provide fully powered operation, improving productivity and reducing manual handling.
- **Compact & mobile design:** The lift folds into a compact footprint of approx. 1.87 × 0.88 × 4.2 m for transport and storage, making it easy to move between sites or store when not in use.
- **Ready-to-use package:** Outlift 500 is delivered as a complete, ready-to-use package, including the lifting frame, cantilever rail, electric hoist and trolley, and wired pendant control. The design is compatible with standard pallets for handling and shipping.
- **Standard 230 V single-phase power:** With an installed power of approximately 1.2 kW and 230 V AC single-phase supply, Outlift 500 can be used on typical European construction and commercial power networks.

## Technical Specifications

### Lifting Performance

Rated lifting capacity (SWL)	500 kg
Maximum lifting capacity	Up to 1000 kg
Maximum lifting height	Up to 30 m (depending on hoist configuration and rope arrangement)



### Rail & Feed System

- Cantilever rail guide extending outside the building to support the suspended load during in/out feed.
- Rail-guided trolley providing powered, dual-speed feed movement (in/out).
- Geometry optimized for feeding loads through façade openings while keeping the support structure inside or at the edge of the building.

## Working Geometry

- Front clear opening (span): 1.65 m
- Side clear opening between supports: 2.12 m
- Working envelope defined by cantilever rail length and lifting height; intended for operation at window/balcony or roof edge positions.

## Hoist, Trolley & Controls

Hoist type	Electric winch / hoist with dual-speed lifting
Trolley	Electric trolley with dual-speed feed motion (in/out along the cantilever rail)
Standard control	Wired pendant control as standard, including lift, lower and feed commands, plus emergency stop
Optional control	Optional radio remote control for wireless operation, increasing operator safety and visibility around the load

## Compliance & Safety

Outlift 500 is designed and supplied in conformity with the applicable EU machinery safety requirements, including:

Drawings Outlift 500-2025-EN-1, Directive 2006/42/EC (Machinery Directive) – CE marked, EN ISO 12100 – Safety of machinery, general principles for design, EN 60204-1 – Electrical equipment of machines, EN ISO 13849-1/2 – Safety-related parts of control systems.

Integrated protective functions include: Drawings Outlift 500-2025-EN-1, Overload limitation, Over-hoist limit switch, Emergency stop (E-stop).

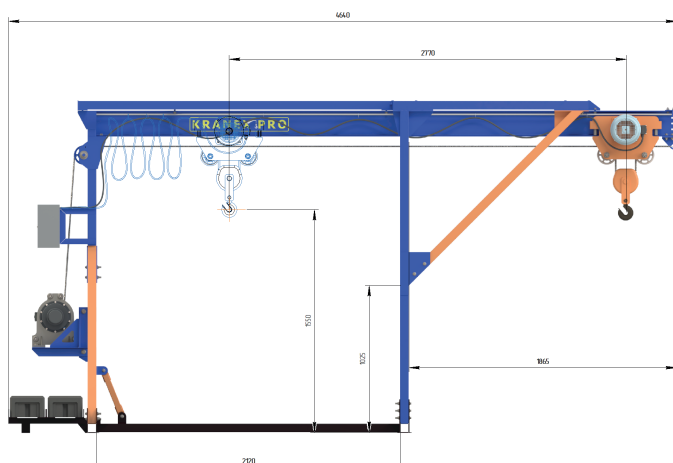
An EU Declaration of Conformity is provided with each unit upon delivery, together with the standard documentation set.

## Power Supply & Electrical Data

- Supply voltage: 230 V AC, 50/60 Hz, single-phase
- Installed power: approx. 1.2 kW
- Electrical equipment designed in accordance with EN 60204-1.

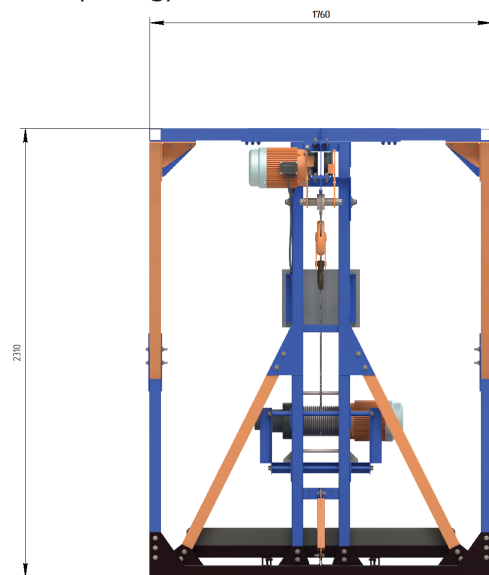
**Figure 1**

General arrangement / side view and main dimensions of Outlift 500 (erected position).



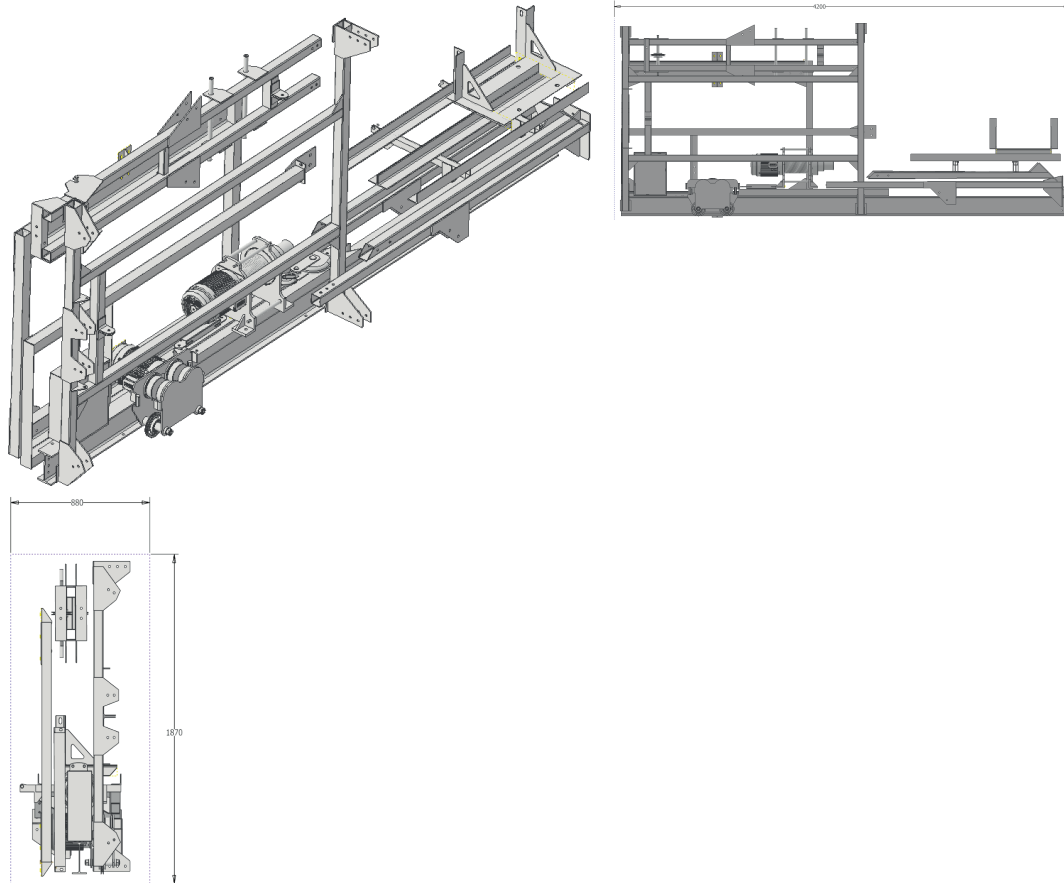
**Figure 2**

Working envelope and clear openings (front span and side opening).



**Figure 3**

Overall dimensions in transport (stowed) position.



## Options & Accessories

Outlift 500 can be configured with various options and accessories to adapt it to specific projects and site conditions, including:

- Drawings Outlift 500-2025-EN-1
- Modular rail sections to tune outreach (cantilever length) and transport length
- Radio remote control for wireless operation
- Counterweight kits matched to the specific rail/outreach configuration
- Auxiliary rigging such as lifting frames, spreader beams and hooks for different load geometries
- Color and branding (RAL) to match customer or project requirements
- Protective finishes and coatings suitable for the intended environment (for example, outdoor or corrosive conditions)

Availability of specific options may vary depending on configuration and market; detailed option lists and project-specific configurations are available on request.