



OSTEN LIFT REPRESENTATIVES IN LITHUANIA

Technical solutions for designers

Shaft, machine room and pit dimensions, construction types and technical data for architects, construction companies and designers.

CE certified

ISO 9001 · 14001 · 45001

With and without machine room

Platform lifts for people with disabilities

Individual design support

Why Baltic Lift Service for your project

Baltic Lift Service, UAB is the representative of the OSTEN lift brand (manufacturer AKFA BUILD) in Lithuania and holds permanent licence No. 46 for the maintenance of hazardous equipment, covering all types of lifting equipment. The main advantages relevant when designing a new building or reconstructing an existing one are listed below.

Technical consultation at the design stage

We help you choose the right lift type and coordinate the shaft, machine room and pit dimensions with your project, for both new construction and reconstruction of an old shaft.

CE-certified quality

All models comply with CE (EN 81) requirements; production is certified to ISO 9001, ISO 14001 and ISO 45001.

MR and MRL designs

Every lift type is available both with and without a machine room, chosen according to the building height and architectural constraints.

Wide technical range

From standard passenger lifts to freight lifts, hospital lifts, vehicle lifts, escalators and platform lifts for people with disabilities: a solution for almost any type of site.

One partner for the whole project cycle

Design consultation, supply, installation and maintenance after handover through a single local contact, Baltic Lift Service, UAB.

Maintenance licence No. 46

A valid licence to maintain and repair all kinds of lifts, platform lifts for people with disabilities and escalators, relevant when planning the building's maintenance after handover.

Our team

The Baltic Lift Service, UAB team consists of specialists belonging to an international-class group of lift installation leaders. The company holds all categories required for lift maintenance and installation, and every specialist has valid qualification certificates and licences.

8-20

years of installation experience

100%

full certification in every category

No. 46

maintenance licence

45 min.

emergency response time

Overview of solutions

Examples from our range. The full set of technical drawings and dimensions is in the following sections of this document.

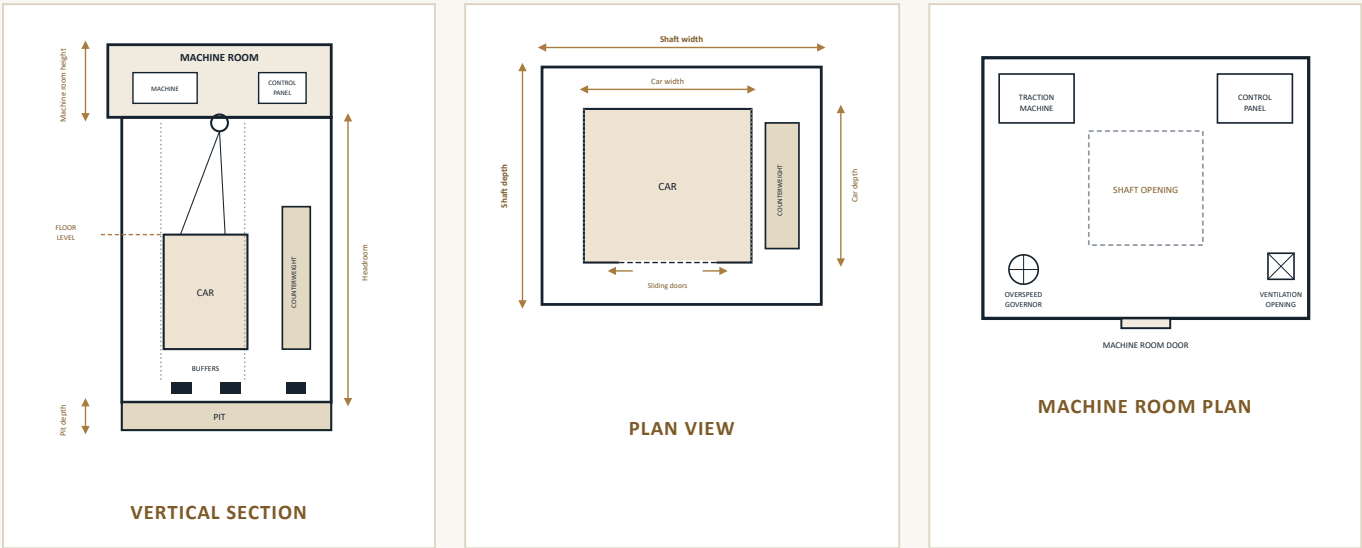
 ELT-P STANDARD PASSENGER LIFT A universal solution for apartment buildings, offices and administrative buildings.	 ELT-PAN PANORAMIC PASSENGER LIFT Free-form car, an architectural accent for hotels and business centres.	 ELT-F FREIGHT Up to 1000 kg, for warehouses, shopping centres and industrial sites.	 OST-HP-1 HOSPITAL Designed for stretchers and medical equipment, for hospitals and clinics.
 Escalator PUBLIC SECTOR High traffic for public buildings, retail and transport hubs.	 Travelator PUBLIC SECTOR Horizontal or inclined transport; airports, large shopping centres.	 Service lift FREIGHT, UP TO 10,000 KG For warehouses, industrial sites and high-traffic logistics areas.	 Platform lift FOR PEOPLE WITH DISABILITIES Own shaft, no machine room; accessibility without major renovation.

ADDITIONAL CATEGORIES

This document also contains technical data for additional categories not covered in the general product catalogue: service (freight) lifts for heavy loads, vehicle lifts for multi-storey car parks, and three types of platform lifts for people with disabilities.

01 Lift with machine room (MR)

Standard design: a separate machine room above the shaft houses the traction machine and electrical equipment. Applies to standard and panoramic passenger lifts.



PASSENGERS	LOAD CAPACITY	SPEED	CAR SIZE (MM) WXDXH	DOOR SIZE (MM)	SHAFT SIZE (MM)	HEADROOM (MM)	PIT (MM)	MACHINE ROOM SIZE (MM)
5	450 kg	1.0 m/s	950×1070×2150	700×2100	1550×1750	3600	1400	3000×2500×2500
8	630 kg	1.0 m/s	1100×1400×2300	800×2100	1600×2000	3600	1400	3000×3000×2500
13	1000 kg	1.0 m/s	1100×2100×2300	900×2100	2200×2500	3600	1400	3500×4000×2500

NOTE

The dimensions shown are for the lowest-speed option (1.0 m/s). For higher speeds (1.5–1.75 m/s), the headroom and pit depth increase to 3800 mm and 1600 mm respectively. Exact dimensions are agreed individually for each project.

— Electrical power requirements

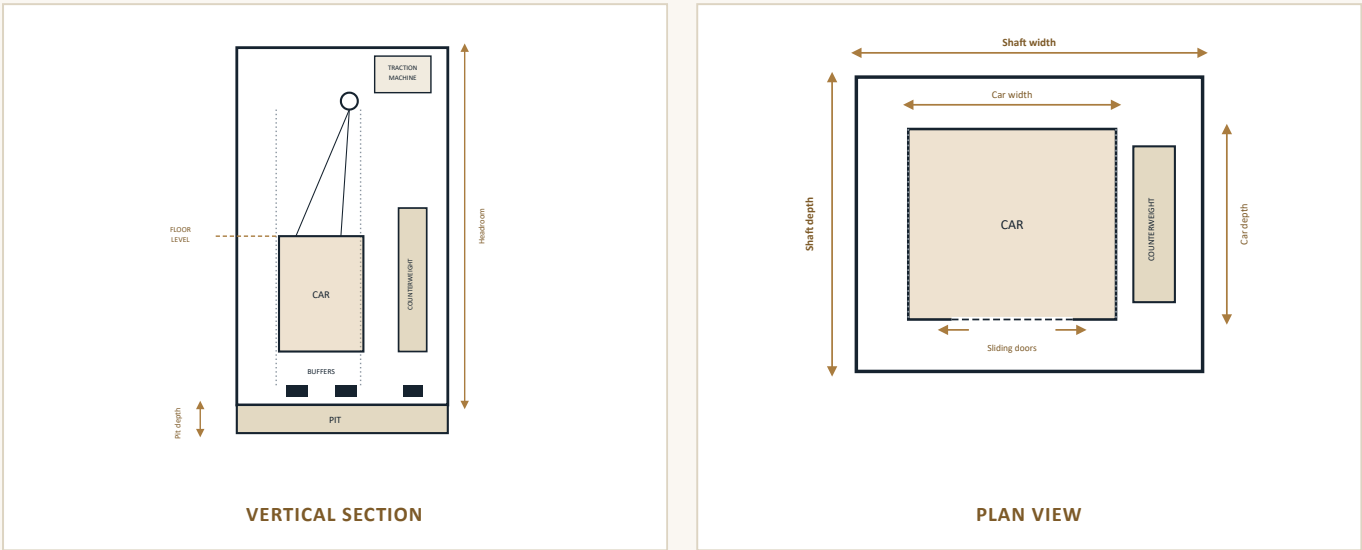
LOAD CAPACITY	POWER REQUIREMENT	CURRENT
450 kg	1.5–5.3 kW	5–11 A
630 kg	3.9–8.6 kW	10–18 A
1000 kg	6.7–13.4 kW	15–28 A

TECHNICAL AND SAFETY FUNCTIONS

Power supply 380 V, 50 Hz (220 V for car lighting). The VVVF drive ensures smooth starting and stopping without shocks to the structure. In a power failure the automatic rescue device (ARD) takes the lift to the nearest floor and opens the doors. Overload control and an emergency communication link to the rescue service are included as standard.

02 Lift without machine room (MRL)

No machine room is needed: the traction machine is installed in the shaft itself. Saves space in the building and is often chosen for reconstruction projects where there is no extra room above the shaft.



PASSENGERS	LOAD CAPACITY	SPEED	CAR SIZE (MM) WDXH	DOOR SIZE (MM)	SHAFT SIZE (MM)	HEADROOM (MM)	PIT (MM)
5	450 kg	1.0 m/s	950×1070×2300	700×2100	1700×1400	4200	1500
8	630 kg	1.0 m/s	1100×1400×2300	800×2100	1800×1800	4200	1500
13	1000 kg	1.0 m/s	1100×2100×2300	900×2100	1800×2500	4200	1500

NOTE

The MRL version requires a greater top floor height than the MR version, which compensates for the absence of a machine room but saves building area above the shaft. Suitable for most new-build and reconstruction projects.

— Electrical power requirements

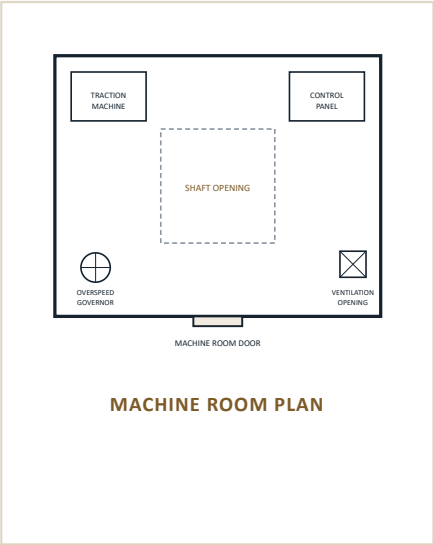
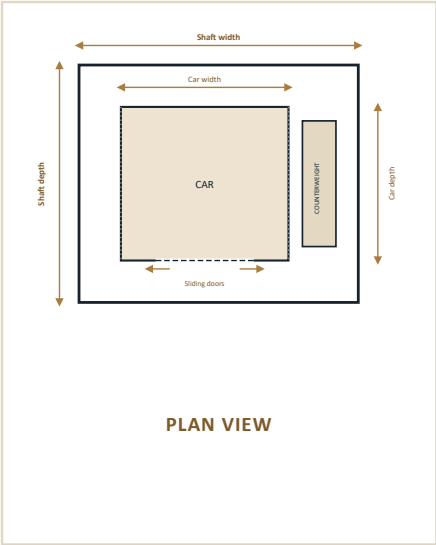
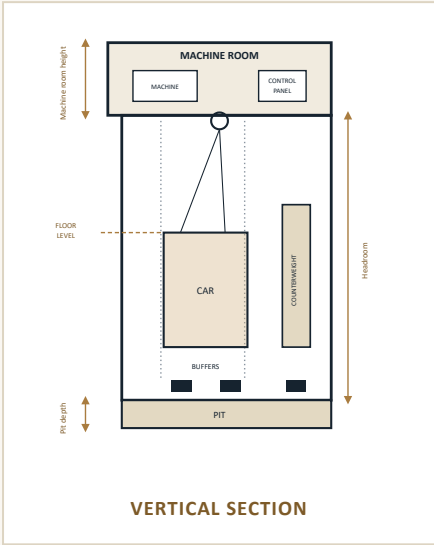
LOAD CAPACITY	POWER REQUIREMENT	CURRENT
450 kg	1.5–5.3 kW	5–11 A
630 kg	3.9–8.6 kW	10–18 A
1000 kg	6.7–13.4 kW	15–28 A

TECHNICAL AND SAFETY FUNCTIONS

Power supply 380 V, 50 Hz (220 V for car lighting). The machine in the shaft needs only short-term access for maintenance and, unlike a machine room, no separate ventilation or lighting. VVVF drive, automatic rescue device (ARD) and overload control as in the MR version.

03 Service (freight) lift with machine room

Designed for frequent, intensive movement of goods inside a site: warehouses, kitchens, logistics areas.



LOAD CAPACITY	SPEED	CAR SIZE (MM) WXD _X H	DOOR SIZE (MM)	SHAFT SIZE (MM)	HEADROOM (MM)	PIT (MM)	MACHINE ROOM SIZE (MM)
630 kg	0.5 m/s	1200×1300×2200	1000×2100	2200×2500	4200	1500	2500×3000×2200
1000 kg	0.5 m/s	1500×1600×2200	1000×2100	2200×2500	4200	1500	3000×3000×2200

RECOMMENDED FOR

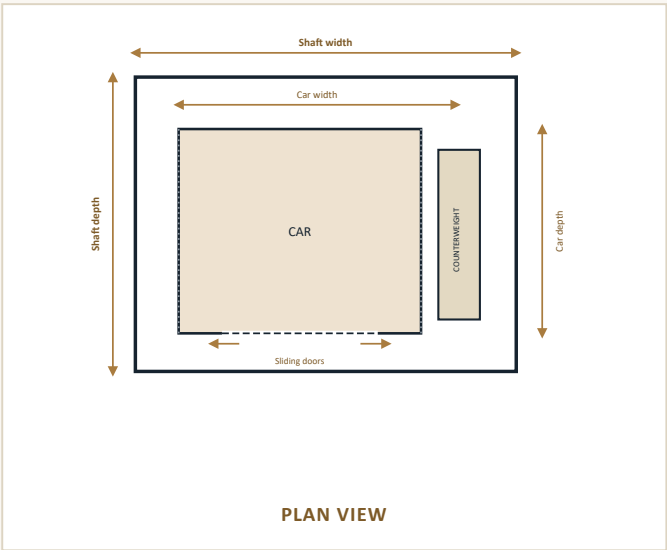
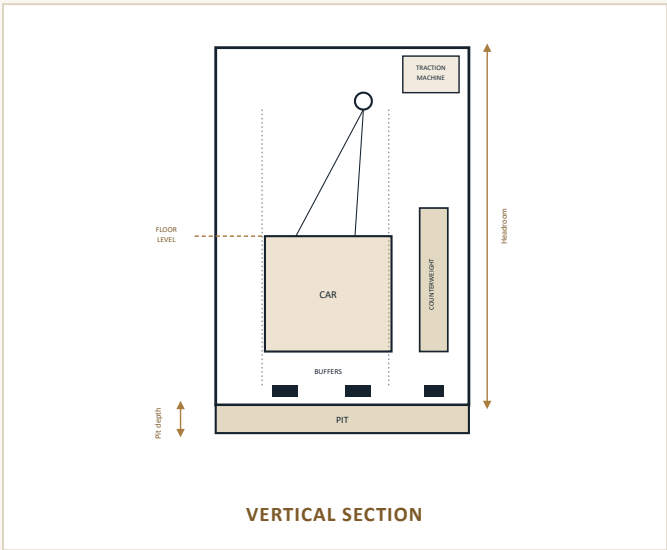
A compact version with a machine room, suited to sites where a reliable design and a modest freight flow of up to 1000 kg matter most: kitchens, storerooms, technical rooms.

TECHNICAL AND SAFETY FUNCTIONS

Power supply 380 V, 50 Hz. The exact motor power depends on the chosen load capacity and speed and is provided with the technical specification during the coordination stage. VVVF drive, automatic rescue device (ARD) in a power failure and overload control protecting the machine and shaft structure are included as standard.

04 Service (freight) lift without machine room

A high-capacity version without a machine room, from 2000 to 10,000 kg. For industrial sites, warehouses and logistics centres that need to move heavy or bulky loads.



LOAD CAPACITY	SPEED	CAR SIZE (MM) WXDxH	DOOR SIZE (MM)	SHAFT SIZE (MM)	HEADROOM (MM)	PIT (MM)
2000 kg	0.5 m/s	1600×2600×2200	1500×2100	2700×3260	4200	1500
3000 kg	0.25 m/s	2070×3050×2200	1800×2100	3330×3410	4500	1500
5000 kg	0.25 m/s	2800×3400×2500	2000×2200	4200×3800	5000	1600
7000 kg	0.25 m/s	3000×4200×2500	2600×2400	4500×4600	5000	1600
10,000 kg	0.25 m/s	3070×5760×2500	2600×2400	4900×6200	5000	1600

NOTE

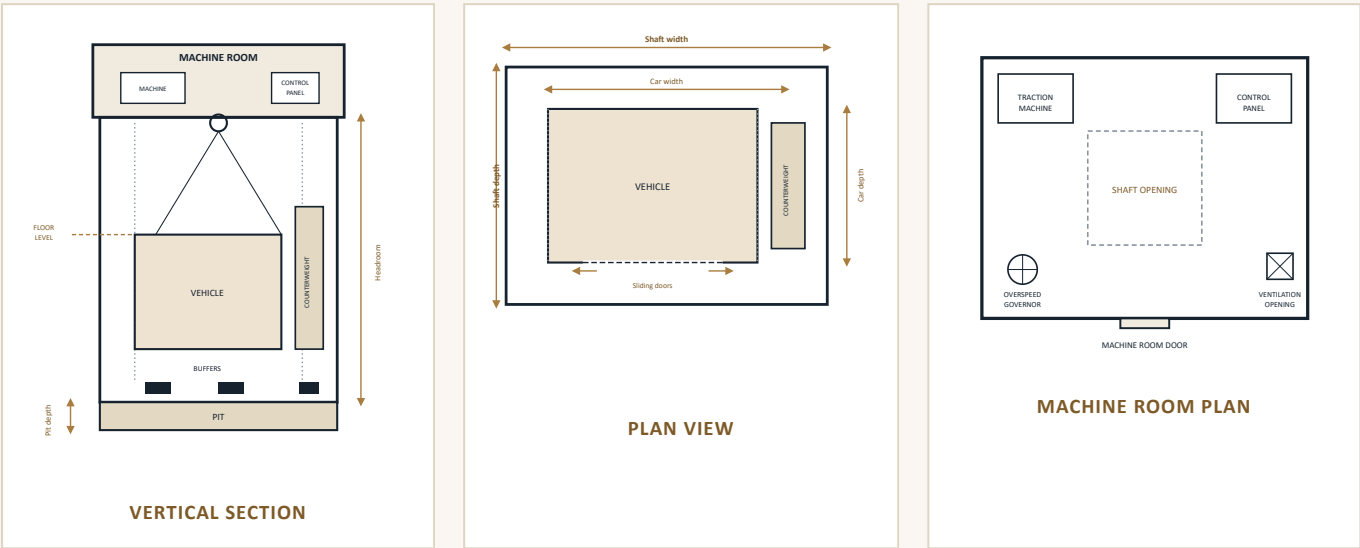
The dimensions shown are for the lowest-speed option; higher speeds are available for each capacity, in which case the headroom and pit depth increase accordingly. Exact dimensions are agreed individually for each project.

TECHNICAL AND SAFETY FUNCTIONS

Power supply 380 V, 50 Hz. A separate power line is recommended for higher capacities (from 5000 kg). The exact motor power is provided with the technical specification during the coordination stage. VVVF drive, automatic rescue device (ARD) and overload and excess-load control are included as standard.

05 Vehicle lift

A type of freight lift designed to move cars between floors of a building, for multi-storey car parks and service centres.



LOAD CAPACITY	SPEED	CAR SIZE (MM) WXD	DOOR SIZE (MM)	SHAFT SIZE (MM)	HEADROOM (MM)	PIT (MM)	MACHINE ROOM SIZE (MM)
3000 kg	0.25 / 0.5 m/s	2700×5800	2400×2200	4100×6160	4800	1600	4100×6160×2500
5000 kg	0.25 / 0.5 m/s	3500×7200	2600×2200	4750×7560	4800	1600	4750×7560×2500
10,000 kg	0.25 m/s	3070×5760	2600×2400	4900×6200	5000	1600	4900×6200×2800

RECOMMENDED FOR

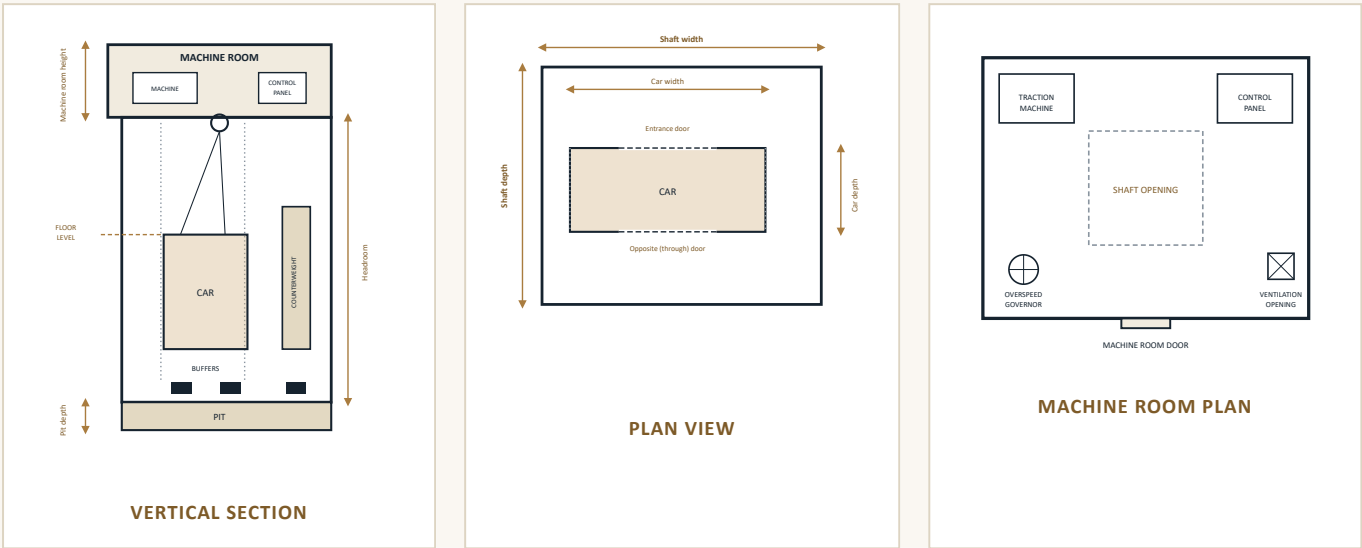
Multi-storey car parks, underground car parks of shopping centres, car service centres on several levels, where a standard ramp is impossible or would cost more in construction terms.

TECHNICAL AND SAFETY FUNCTIONS

Power supply 380 V, 50 Hz. The exact motor power is provided with the technical specification during the coordination stage. The platform is designed to the dimensions and weight of the largest expected vehicle (including SUVs and minibuses). VVVF drive, automatic rescue device (ARD) and overload control are included as standard.

06 Hospital lift

Designed for patients on stretchers, doctors and medical equipment, with an elongated car and straight-through travel via opposite doors.



LOAD CAPACITY	SPEED	CAR SIZE (MM) WXD _X H	DOOR SIZE (MM)	SHAFT SIZE (MM)	HEADROOM (MM)	PIT (MM)	MACHINE ROOM SIZE (MM)
750 kg	1.0 m/s	1100×2100×2300	900×2100	2200×2500	3600	1400	3500×4000×2500
1000 kg	1.0 m/s	1300×2200×2300	1000×2100	2300×2600	3600	1400	3500×4000×2500
1250 kg	1.0 m/s	1400×2300×2300	1100×2100	2400×2700	3600	1400	3500×4000×2500

RECOMMENDED FOR

Hospitals, clinics, nursing homes, medical centres. Braille, voice floor announcements and additional safety systems are optional.

TECHNICAL AND SAFETY FUNCTIONS

Power supply 380 V, 50 Hz. The emergency communication link to the rescue service and the automatic rescue device (ARD) in a power failure are especially important at sites where patients use the lift. Optionally, a control panel designed for wheelchair users and the visually impaired, and emergency car lighting, can be chosen.

07 Platform lifts for people with disabilities

Three types of platform lift, adapted to the building's possibilities, height difference and accessibility needs, where a conventional lift cannot or need not be installed.



Vertical platform lift

Height adapted to the project

Own aluminium and glass shaft, no machine room needed. Metal structure with a ribbed platform, safety barrier and gates, operated by buttons from both sides, with an emergency operation mechanism. Outdoor and indoor versions. **Where to install:** libraries, schools, sports and cultural centres, universities, medical institutions, and also individual buildings (private homes).

EXAMPLE: HYDRAULIC PLATFORM LIFT PH 400	VALUE
Load capacity	400 kg
Lifting height	up to ~3830 mm (individual, depending on the site)
Lifting speed	0.15 m/s with passengers
Platform size	1100×1350 mm
Shaft size	1930×1500 mm
Pit	300 mm
Landing doors	900×2000 mm
Power supply	230 V, 1~, 50 Hz

Complies with Machinery Directive 2006/42/EC and EN 81-41; 12-month warranty. Dimensions are given as an example from a completed project and are agreed individually.

Inclined platform lift

Installed on existing stairs

Installed directly on existing stairs (straight or curved); no shaft or major alterations required. Suitable for indoor and outdoor conditions, costs less and is quicker to implement than a vertical platform lift or a lift.

Horizontal platform lift

For small height differences

A compact solution for overcoming small height differences at entrances or between adjacent room levels. **Where to install:** schools, care homes for the elderly, public sector buildings.

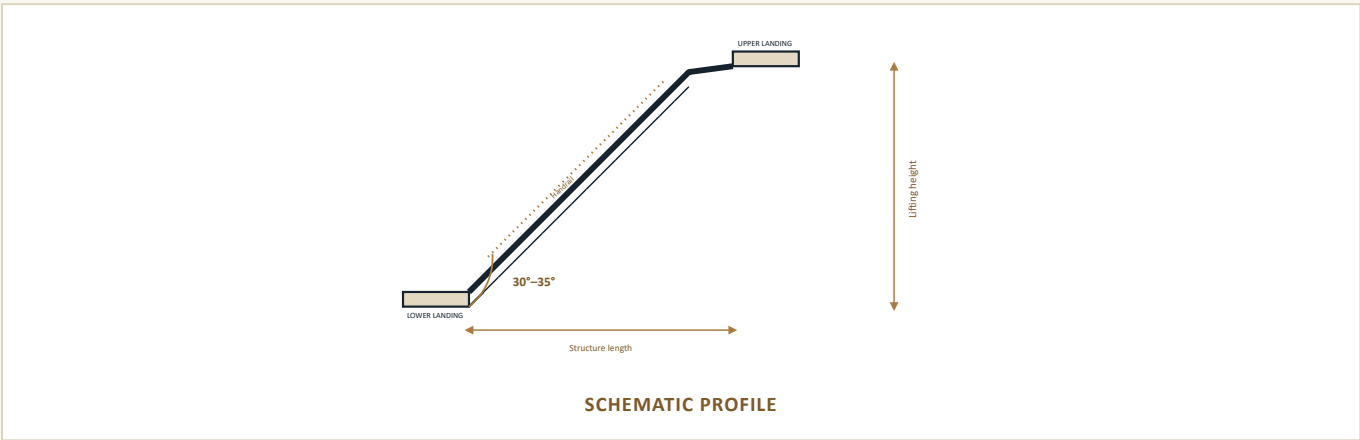
— When to choose which type

PLATFORM LIFT TYPE	WHEN TO CHOOSE	CONSTRUCTION WORK
Vertical	There is space for a platform and shaft; the height is agreed individually	Minimal
Inclined	There are existing stairs and no room for a shaft	None; installed on the stairs
Horizontal	A small height difference at an entrance	Minimal

We choose the solution during the site survey based on the entrance and height difference; an individual option can also be arranged if needed.

08 Escalator: main dimensions

Indicative data for planning the escalator opening and floor heights in the building. The exact structural solution is prepared individually according to the lifting height and site conditions.



PARAMETER	VALUE
Inclination angle	30° or 35°
Lifting height	1500–20,000 mm
Speed	0.5–0.75 m/s
Step width	600–1000 mm
Motor power	5.5–15 kW
Power supply	380 V, 50 Hz (lighting 220 V)

ADDITIONAL

For the travelator (horizontal or inclined transport, inclination angle 0°–12°), the exact structural dimensions are also agreed individually according to the room conditions; contact us about a specific project.

— Handrail series

SERIES	INNER SIDE PANEL	HANDRAIL COLOUR
KP-B / KP-BF	Stainless steel	Black (polyurethane)
KS-SB / KS-SBF	Clear tempered glass	Blue (polyurethane)
KS-LB / KS-LBF	Clear tempered glass	Red, with additional white LED lighting

SAFETY AND CONTROL

The standard package includes phase-loss and reverse-travel protection, comb plate and step chain monitoring, skirt deflector and handrail speed monitoring, and an emergency stop button. Passenger-flow detection lets the escalator switch to a slow or standby mode to save energy. A remote monitoring system and voice announcements are optional.

Next step

The indicative dimensions in this document are intended for initial design. Before approving the final design, we recommend confirming the exact dimensions with a Baltic Lift Service, UAB specialist, as each site may have individual conditions.

We can offer a solution for an existing shaft (reconstruction projects) or prepare recommendations for a new building project from the initial drawing stage.

If you have questions about a specific model, dimensions or the most suitable solution for your site, contact us; we will gladly advise and prepare a full technical specification.

Lead time

Preliminary lead time from contract signing to a working lift is about 12 weeks. Relevant when coordinating the overall construction or renovation schedule.

Warranty

Manufacturer's warranty for a new lift: 24 months; installation work is covered by a 5-year warranty under Article 6.698 of the Civil Code of the Republic of Lithuania. After handover, maintenance is provided under maintenance licence No. 46.

FOR HOUSING ASSOCIATIONS OF APARTMENT BUILDINGS

We agree an individual payment schedule for a new lift, tailored to your association's means: the first part is paid on signing the contract and the remainder follows an agreed schedule. The offer applies to housing associations of apartment buildings; terms are agreed individually after a free site visit.

Baltic Lift Service, UAB

COMPANY DETAILS

Company code: 302514430

VAT code: LT100006040610

Address: Mainų g. 6-6, Klaipėda

Luminor Bank, AB, IBAN: LT33 4010 0423 0106 4537

24/7 emergency service: +370 698 88339

www.balticlift.lt

CONTACT PERSONS

Jeronimas Mockevičius

Managing director

Email: jeronimas@liftuservas.lt

Mob.: +370 618 33070

Raimonda Kakštienė

Head of Sales and Marketing

Email: marketing@balticlift.lt

Mob.: +370 640 42183