

APL

Screw-Driven Platform Lift



Reliable access, built around a screw drive.

The APL Screw-Driven Platform Lift carries 500kg on an ultra-reliable, low-maintenance nut and screw drive. It sits in its own modular shaft with a pit of just 50mm, with 30 platform sizes to choose from, so it can be added to new and existing buildings with very little building work.



500kg

RATED LOAD

13m

MAXIMUM TRAVEL

50mm

MINIMUM PIT

5

STOPS



GLAZED OR SOLID SHAFT

Sandwich-panel shaft walls as standard, with glazed panels and special colours available to suit the building.



Schools, offices and public buildings



Public buildings

Step-free access between floors, with a swing landing door on each level.



Workplaces and retail

A glazed shaft in black keeps the space open and adds a design feature.



Corridors and landings

A compact footprint that fits beside existing stairs and walls.



Older buildings

A modular shaft that goes into existing buildings with very little building work.



Hold, ride, arrive.

Hold the button on the platform and the lift travels smoothly between floors. Landing buttons need just one touch to call the lift, and every button is tactile with braille.





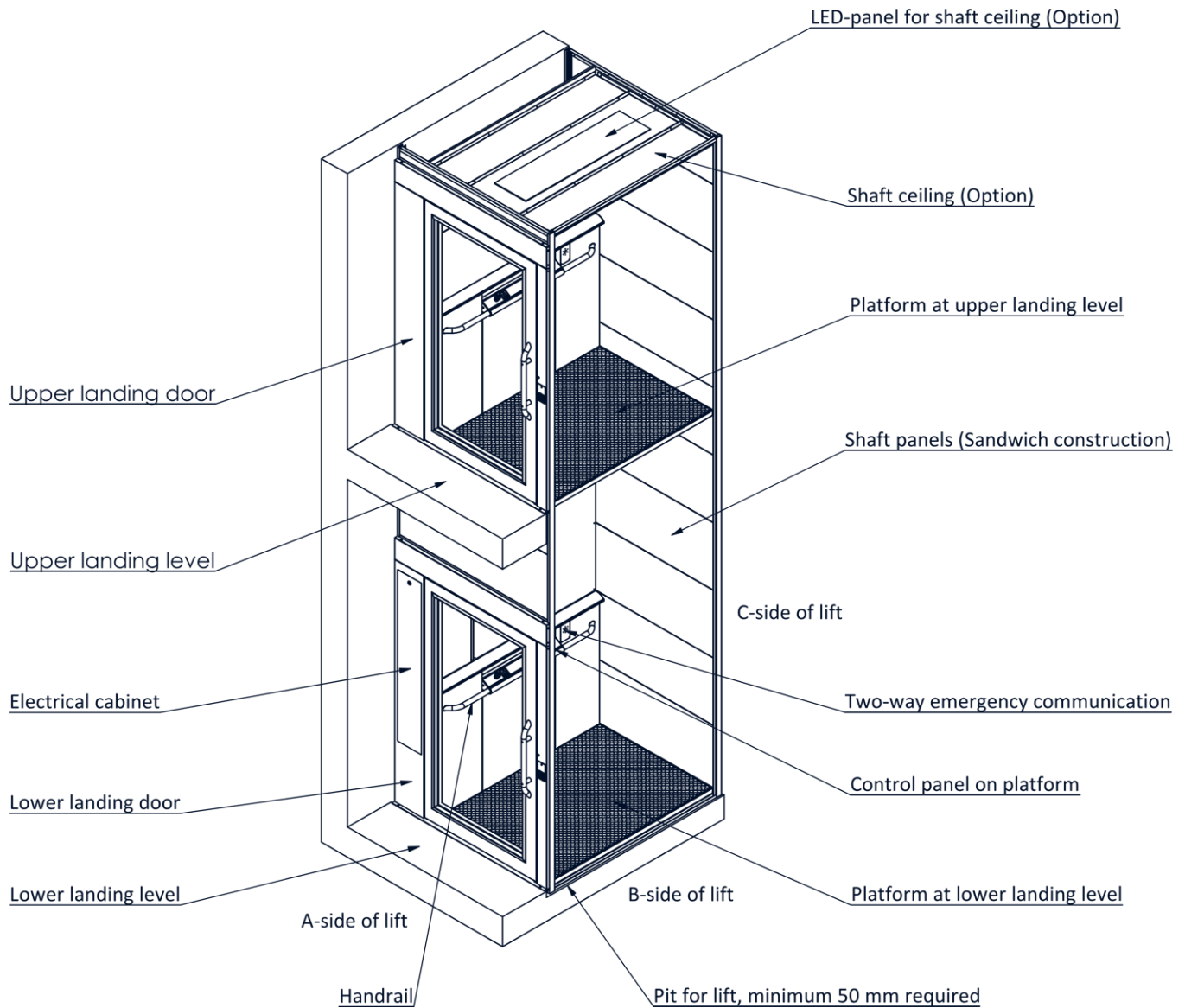
SMOOTH AND QUIET

Soft start and stop as standard, with a frequency-controlled drive, for a comfortable ride between floors.



A complete lift in its own shaft

Every lift arrives as a complete package: guide frame, platform, shaft panels, doors and controls, with an optional ceiling and LED panel.





Engineered to keep on working



01

Self-sustaining nut and screw

A robust drive that holds the platform securely at every point of travel, with a safety nut as back-up.

02

Battery emergency lowering

Included as standard, so the platform can be lowered to a landing in a power cut.

03

Soft start and stop

A programmable logic controller and frequency converter give smooth starts and stops as standard.

04

Accessible controls

Tactile buttons with braille on the platform and at every landing.



Quality and economy in one lift



01

30 platform sizes

With a pit of only 50mm, there is a size to fit almost any building.

02

Installed in 2–4 days

Plug-and-play construction for a quick, tidy installation.

03

Low installation costs

Competitive material prices and a short install keep the overall cost down.

04

Fits all environments

Shops, care homes, arenas, schools, offices and private homes.

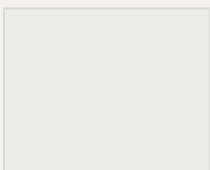


Made to suit the building

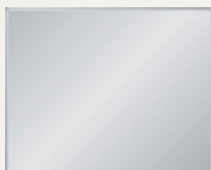


COLOURS

RAL 9003 white as standard, with corner profiles and glass panel frames in anodised aluminium. Shaft panels, doors and profiles are also available in special colours, including other RAL and colour codes.



RAL 9003 white
(standard)



Anodised
aluminium
(standard profiles)



Special colour
(other RAL and
colour codes)

OPTIONS

Glazed shaft panels

Glass panels in place of solid panels, in any combination

Automatic door openers

Powered opening for the landing doors

Level indicator and arrival bell

Floor indication with voice announcement available

Elbow buttons and key control

Large elbow-operated buttons, key switch locking

EI60 fire doors

In place of the standard fully glazed doors

Folding seat

A fold-down seat on the platform

Two-way communication

An emergency autodialler with GSM

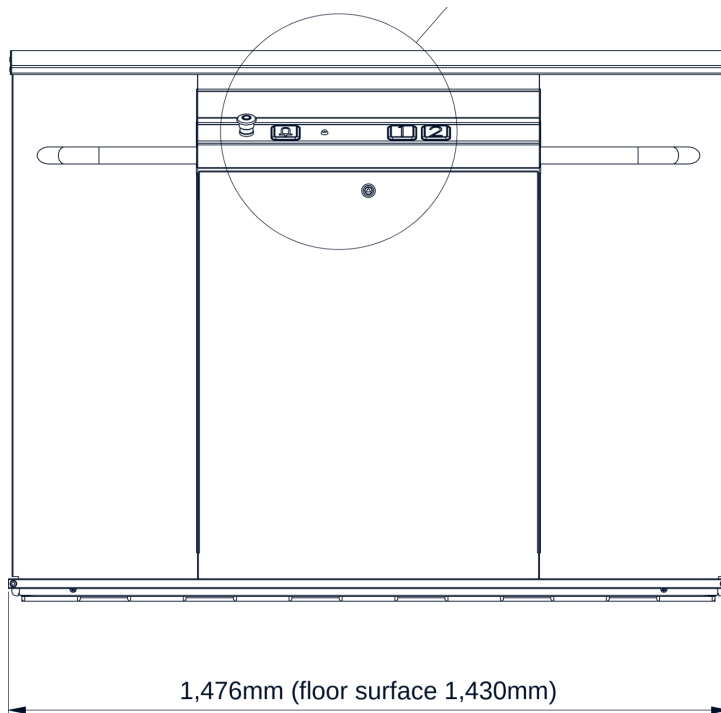
Flooring and stainless steel

Other floor finishes, and parts in brushed stainless steel

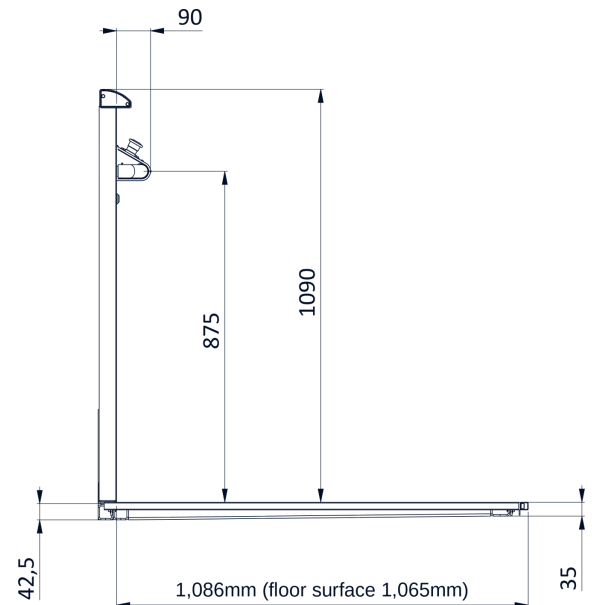


Plan to fit

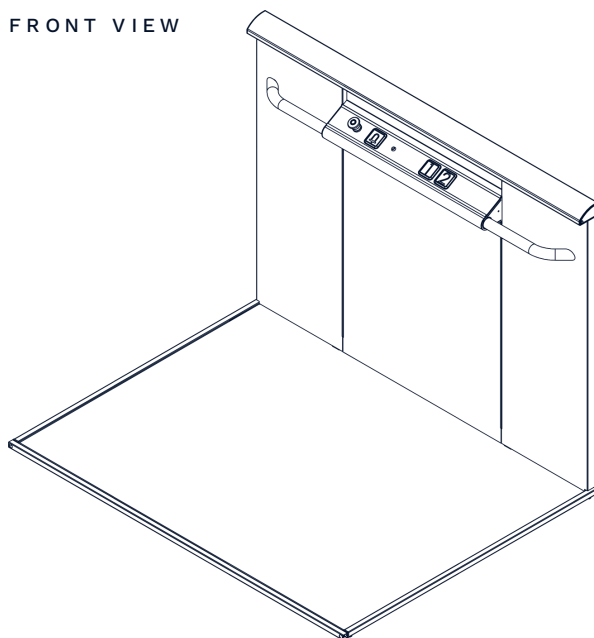
Example platform: 1,100 x 1,500mm. Every quotation includes a drawing for your site.



FRONT VIEW



SIDE VIEW



PLATFORM

KEY DIMENSIONS

Platform floor 1,065 x 1,430mm

Internal shaft 1,100 x 1,500mm

Overall footprint 1,470 x 1,580mm

Floor cut-out Footprint +30mm

Platform back height 1,090mm

Handrail height 875mm

Pit 50mm minimum

Internal shaft sizes are measured inside the shaft walls. The overall footprint is the space the lift needs in your building.



At a glance

500kg

RATED LOAD

13m

MAXIMUM TRAVEL

0.15m/s

MAXIMUM SPEED

50mm

MINIMUM PIT

PERFORMANCE

Installation	Indoors, in its own modular shaft
Stops	Up to 5
Top height	2.3m, or 1.1m option
Drive	Self-sustaining nut and screw, 2.2kW motor
Power supply	380–400V or 230V 3-phase 16A, frequency converter as standard. 230V single phase optional

CONTROL AND SAFETY

Control	Programmable logic controller (PLC)
Operation	Hold-to-run on the platform, one-touch landing calls, tactile with braille
Emergency	Battery emergency lowering as standard
Compliance	Machinery Directive 2006/42/EC, EN 81-41

CONSTRUCTION AND FINISHES

Shaft	Laminated sandwich panels in RAL 9003 white, 25mm thick. Glazed panels optional
Platform	RAL 9003 powder coated, black rubber flooring
Doors	Fully glazed swing doors on up to 3 sides. EI60 fire doors available
Colours	RAL 9003 standard, special colours on request
Pit	50mm, or a 50mm ramp where no pit is possible

30 PLATFORM SIZES TO CHOOSE FROM (MM)**Widths: 700 · 800 · 900 · 1,000 · 1,100****Depths: 1,100 to 1,600 in 100mm steps**

Any width with any depth. Footprint = platform size plus:

Floor cut-out: footprint +30mm each way. With doors on side B only, or platform depths of 1,100–1,200mm, the lift electrics go in a separate box (500 x 600 x 200mm).

Doors on sides	Add to width	Add to depth
A or C	+370mm	+80mm
A and C	+370mm	+110mm
A or C, plus B	+400mm	+80mm
A, C and B	+400mm	+110mm
B only	+400mm	+55mm



From survey to handover

01

Survey

We visit, measure and advise on the best position.

02

Drawing

A site-specific drawing and builder's work list for sign-off.

03

Install

Plug-and-play construction means installation takes only 2–4 days.

04

Handover

Testing, training and ongoing service.



BUILDER'S WORK

Pit	50mm minimum, level floor
Floor	Able to take the load from the guide frame and shaft (loads supplied)
Wall fixing	Guide frame fixed to the wall behind, two brackets per fixing level
Power	16A supply to the electrical cabinet, 3-phase or single phase
Loads	Floor and wall loads provided for your structural engineer



Made to your specification

Every lift can be tailored with a wide range of options. These are the most popular.



Automatic door operator



Level indicator



Key control



Fold-down seat

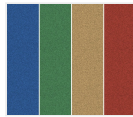
FLOORING



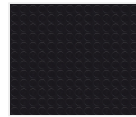
Altro Walkway Pitch
Black, standard



Altro Walkway Dolphin
Grey



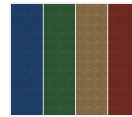
Altro Walkway
Custom colour



Norament 825 0702
Black rubber



Norament 825 0749
Grey rubber



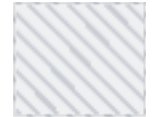
Studded rubber
Custom colour



Checker plate
Aluminium



Prepared for tiles
20mm deep



No flooring
Supplied by others

Tiles may change the pit depth and rated load. Custom colour swatches show examples only.

DOORS

- EI60 fire doors, with vision panel or fully glazed
- Taller doors, up to 2,800mm
- Automatic door openers and sensors
- Stainless steel door front, kick plate and handle
- Door handles in a special colour

CALLS AND CONTROLS

- Key operation, or button plus key on/off
- External call buttons, wired or in a box
- Wireless elbow call button
- Double and triple call/send buttons
- Digital level indicator on the door front
- Arrival gong

PLATFORM

- Fold-down seat
- Stainless steel handrail and control panel
- Mirror on the platform back
- Photocell on the platform
- A choice of flooring (see above)

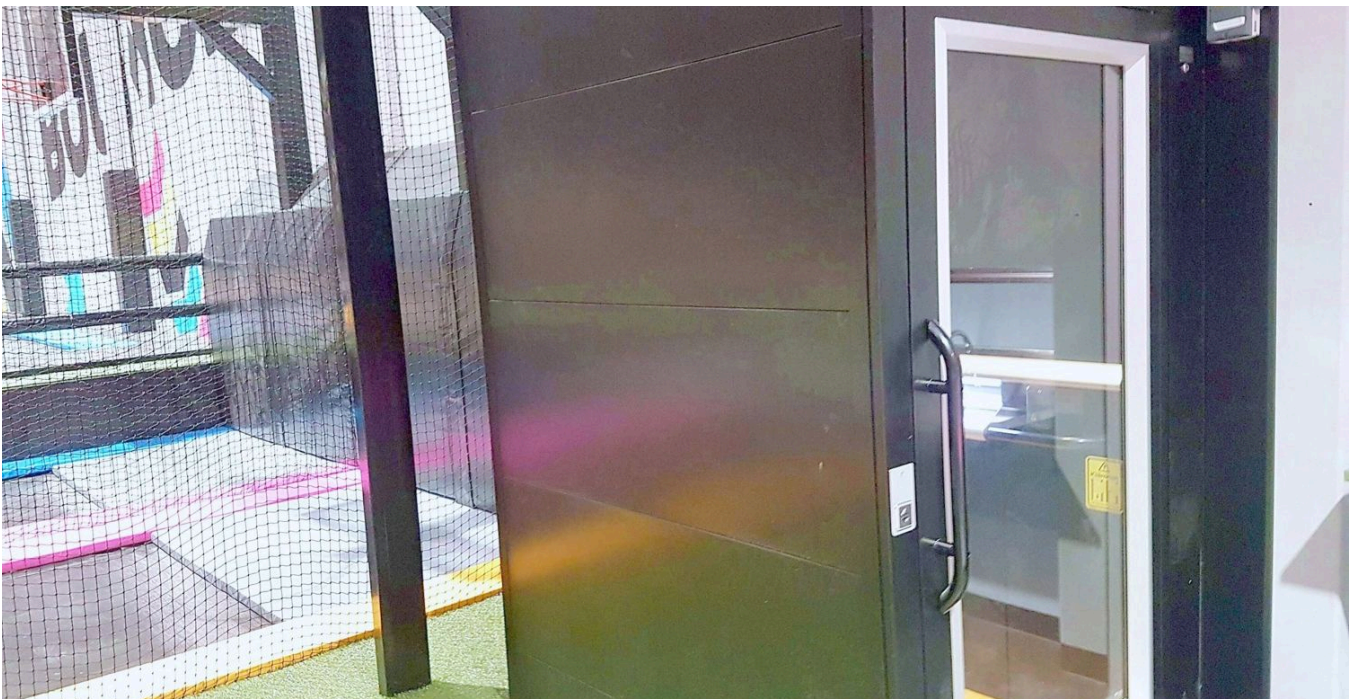
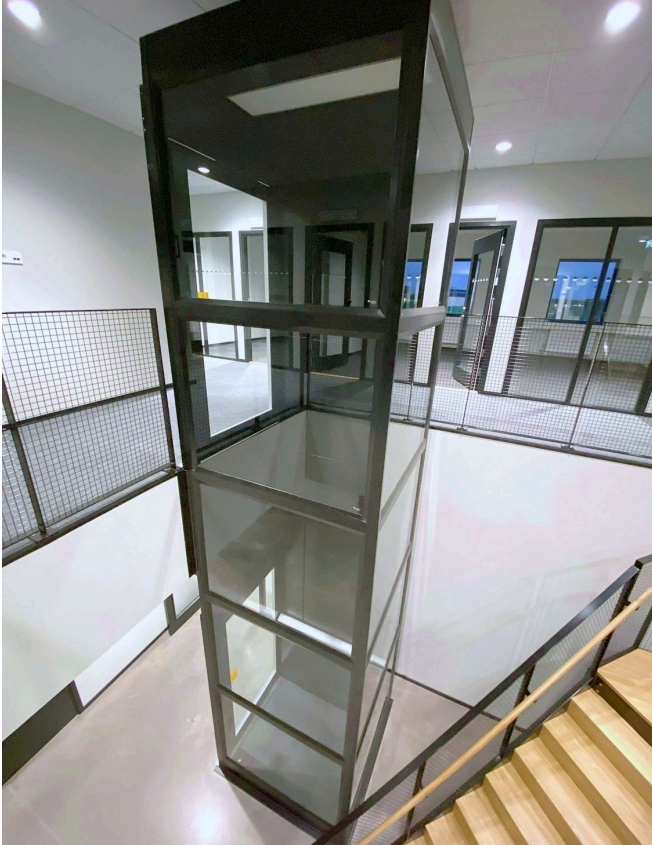
COMMUNICATION AND SAFETY

- Voice station with 4G autodialler
- Emergency autodialler with GSM
- Hearing loop
- Level indicator with voice announcement
- Fire drive and operation alarm
- Return to a designated floor, emergency lowering from the platform

SHAFT AND ELECTRICAL

- Shaft roof with LED panel
- Automatic ceiling light
- Glass panels, standard or special heights
- Covered machine side
- Separate electrical cabinet
- Halogen-free cables, special colour painting

Designed to fit in





ALLIANCE

PLATFORM LIFTS

Designing, supplying and installing lifts
across the UK for over 15 years

DRAWINGS FOR SIGN-OFF

A layout drawing and builder's work
list for every project

24/7 SUPPORT

Maintenance and call-out through
our nationwide service network

01206 803 132

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