



ALLIANCE
PLATFORM LIFTS

SAFETY INSTRUCTIONS
Read and understand all instructions before using the lift.
Do not use the lift if you are not qualified to do so.
Do not use the lift if you are under the influence of alcohol or drugs.
Do not use the lift if you are wearing a seat belt or other safety equipment.
Do not use the lift if you are carrying a load that is not properly secured.

GOODS ONLY
NO PASSENGERS
SWL 1500 KG
Do not exceed the weight limit.
Do not use the lift for any other purpose.



APL

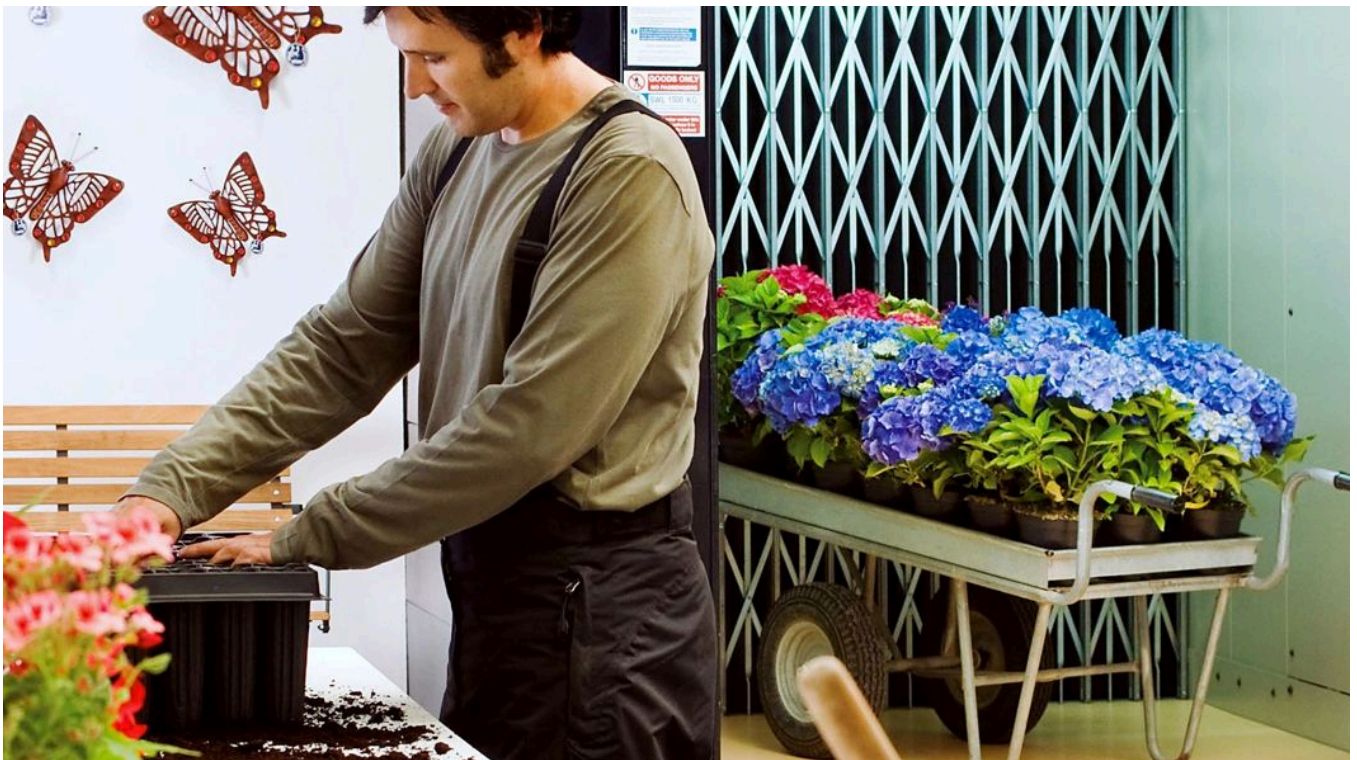
Traction Goods Lift

AL-PLATFORMLIFTS.CO.UK



The high performance goods lift.

The APL Traction is a goods lift of up to 2000kg rated load. It is specially designed for use in buildings with high turnover and movement of goods between floors, making it an ideal choice for shopping centres, storage facilities, refuge stores, and many other industrial applications.



2000kg

RATED LOAD

0.15m/s

SPEED

9m

MAXIMUM TRAVEL

100mm

SHAFT PIT



DESIGNED FOR GOODS

The APL Traction is a lift designed exclusively for goods transport and is fully compliant with the EC Machinery Directive 2006/42/EC.



Built to move goods between floors

Wide range of options available

The APL Traction is available with load capacities of 500, 1000, 1500 or 2000kg, with a full range of lift car configurations available for each model. Beyond our wide-ranging selection of standard solutions, Alliance Platform Lifts can create a made-to-measure APL to meet your precise specifications.

Flexible and straightforward installation

Installing the APL Traction causes minimal disruption to the day-to-day operation of your business. It does not require major internal construction work or extra space for its installation. The APL Traction comes with its own freestanding modular structure, fully capable of bearing the weight of the whole system.

Compact and powerful

The APL Traction has low headroom and a low pit, and requires no machine room. Everything needed for its effective operation is housed within its free-standing structure, including a 100mm shaft pit.

Energy efficient

The APL Traction consumes significantly less energy than conventional lift platforms, reducing your operating costs.

Simple and safe to use

Transporting goods with the APL Traction is easy and completely safe for the operator.

Durability and high performance

The APL Traction is designed to work intensively, reliably, and efficiently over many years. A robust goods lift, it is equipped with sturdy and hard-wearing lift cars which guarantee the safe transport of goods.

Many different options are available to adapt each APL Traction to your particular needs: in-car buffer rails and kick plates, hard-wearing floor finishes in aluminium or steel chequer plate, manual shutter gates, and picket gates.





The specialist goods lift with room for attendants

The APL Traction + Attendant has all the advantages of the original APL Traction, with special modifications to allow one or two competent attendants to accompany the freight safely and easily.

FEATURES

The lift car has been equipped with a car operation panel which incorporates a constant pressure push button and emergency stop switch. The car operation panel can include an optional position display and voice synthesiser.

In attendant mode, a key switch in the lift car allows the attendant to operate the lift from the inside.

The lift can also be controlled by an automatic operation at landing.

The attendant's security is fully guaranteed by a category 2 full-height light ray installed in the car entrance. The landing doors are supplied with vision panels to ensure total visibility. The lift also incorporates an alarm in case of entrapment and can be equipped with a telephone as an option.





APL TRACTION + ATTENDANT

The APL Traction + Attendant allows the moving of heavy goods accompanied by one or two competent attendants.

Fully compliant with the EC Machinery Directive 2006/42/EC.



APL Traction Goods Lift

Rated load	500, 1000, 1500, 2000kg
Speed	0.15m/s
Drive system geared traction machine	VVVF speed regulator
Power supply	3-phase 380-400-415VAC
Installation	Freestanding modular structure. RAL 9005 Black. Anchoring the structure to each floor is recommended.
Lift car	Built-in steel plate, finished in RAL 7032 Beige. • Floor finish in steel plate, coated in RAL 7032 Beige • Direct fluorescent lighting Other finishes available upon request
Entrance configuration	Single or open through at 180°
Landing doors	Manual single or double-hinged with window. Finished in epoxy painted steel. RAL 9005 Black. UNE EN 81-58:2004 E120
Lift car door	The standard model is supplied without car doors
Height of structure	Max. 12m
Travel	Max. 9m
Number of levels	Max. 4 levels
Guides length	5m
Minimum travel between floors with same entrance	2150mm (1800 car height + 350mm)
Minimum travel between floors with different entrance (0 and 180)	350mm
Minimum headroom	Lift car internal height + 700mm
Minimum structure headroom	Lift car internal height + 600mm
Pit	The standard package is supplied with a 100mm pit incorporated into the structure
Traction	Gearbox with 1 brake
Control system	APB call-and-send lift control system from landings
Landing operating panel	• Push buttons with LEDs • Emergency stop push button
Shaft lighting	Direct fluorescent lighting
Lift car internal height	1800, 1900, 2000, 2100, 2200mm
Lift car width	From 1000mm to 2000mm in 100mm increments
Lift car depth	From 1000mm to 2000mm in 100mm increments
Minimum necessary lift shaft width	Lift car width + 470mm
Minimum necessary lift shaft depth	Lift car depth + 180mm



APL Traction Goods Lift + Attendant

Rated load	500, 1000, 1500, 2000kg
Speed	0.15m/s
Drive system geared traction machine	VVVF speed regulator
Power supply	3-phase 380-400-415VAC
Installation	Freestanding modular structure. RAL 9005 Black. Anchoring the structure to each floor is recommended.
Lift car	Built in steel plate, finished in RAL 7032 Beige. • Floor finish in steel plate, coated in RAL 7032 Beige • Direct fluorescent lighting • Galvanised car roof • Car operating panel incl. floor push buttons, attendant key switch, alarm button, and stop switch • Performance Level C certified light curtain system according to EN ISO 13849-1. Category 2 Other finishes available upon request
Entrance configuration	Single or open through at 180°
Landing doors	Manual single or double-hinged with window. Finished in epoxy painted steel. RAL 9005 Black. UNE EN 81-58:2004 E120
Lift car door	The standard model is supplied without car doors
Height of structure	Max. 12m
Travel	Max. 9m
Number of levels	Max. 4 levels
Guides length	5m
Minimum travel between floors with same entrance	2150mm (1800 car height + 350mm)
Minimum travel between floors with different entrance (0 and 180)	350mm
Minimum headroom	Lift car internal height + 700mm (+ 750mm for 1500kg and 2000kg)
Minimum structure headroom	Lift car internal height + 600mm (+ 650mm for 1500kg and 2000kg)
Pit	The standard package is supplied with a 100mm pit incorporated into the structure
Traction	Gearbox with 2 brakes
Control system	APB call-and-send lift control system from landings. Constant pressure lift control in car (key switch to select operation mode)
Landing operating panel	• Push buttons with LEDs • Emergency stop push button
Shaft lighting	Direct fluorescent lighting
Lift car internal height	1800, 1900, 2000, 2100, 2200mm
Lift car width	From 1000mm to 2000mm in 100mm increments.
Lift car depth	From 1000mm to 2000mm in 100mm increments
Minimum necessary lift shaft width	Lift car width + 470mm
Minimum necessary lift shaft depth	Lift car depth + 180mm
Unintended car movement protection	The standard model is supplied with unintended car movement protection means



Door options



Lift landing doors
Manual (standard)



Lift landing folding doors
Manual shutter gates



Lift car folding doors
Manual picket gates



APL Traction

Access ramp

Painted metal sheet RAL 7032 Beige or aluminum checker plate finish

Guides length

2.5m

Landing doors

Manual folding shutter gates

2-hour fire resistance in accordance with BS EN1634-1

Manual single or double-hinged with window

Finished in stainless steel AISI314.

UNE EN 81-58:2004 E120

Manual single or double-hinged with window

Finished in stainless steel AISI316.

UNE EN 81-58:2004 E120

Car doors

Manual picket gates, with or without electrical interlock

Car roof

Galvanised metal sheet

Car floor

Rubber, aluminium checker plate, or steel checker plate

Unintended car movement protection means

In-car buffer rails and kick plates

Wood, stainless steel, or PVC

Push buttons

Keyed push buttons

“Out of Service” function

Key switch to block use of the goods lift

Lift car

Direct LED lighting

Ladder

Ladder with supports to access rescue hatch

Installation kits

Assembly tools are available for both the mechanical system and the modular structure

A Type

Where the clear space above the modular structure is over 500mm

B Type

Where the space above is less than 500mm and the lift car depth is less than or equal to 1500mm

C Type

Where the space above is less than 500mm and the lift car depth is greater than 1500mm



APL Traction + Attendant

Access ramp

Painted metal sheet RAL 7032 Beige or aluminum checker plate finish

Guides length

2.5m

Landing doors

Manual folding shutter gates

2 hour fire resistance in accordance with BS EN1634-1

Manual single or double-hinged with window

Finished in stainless steel AISI314.

UNE EN 81-58:2004 E120

Manual single or double-hinged with window

Finished in stainless steel AISI316.

UNE EN 81-58:2004 E120

Car doors

Manual picket gates, with electrical interlock

Car floor

Rubber, aluminium checker plate, or steel checker plate

In-car buffer rails and kick plates

Wood, stainless steel, or PVC

Intercom between car operating panel and control panel

Building Management System with alarm push button and position

Voltage-free contacts

Alarm push button

In the pit and on top of the car

Push buttons

Keyed push buttons

“Out of Service” function

Key switch to block use of the goods lift

Lift car

Direct LED lighting, car light timer, and a stainless steel or painted hand rail

Ladder

Ladder with supports to access rescue hatch

Installation kits

Assembly tools are available both for the mechanical system and for the modular structure

A Type

Where the clear space above the modular structure is over 500mm

B Type

Where the space above is less than 500mm and the lift car depth is less than or equal to 1500mm

C Type

Where the space above is less than 500mm and the lift car depth is greater than 1500mm

Fireman operation function

When it is switched on, the lift will go to the evacuation floor.

Autodialler

In-car operating panel, inductive loop, and bottom car telephone module



APL Traction + Attendant

3 hours emergency car light

Voice synthesiser

Car operating panel engraving

Logo, lift reference plate/CE mark, and telephone instructions

Landing operating panel options

Logo engraving, 3" LCD vertical display, and keypad

Pushbutton options

M10, US91

CAR OPERATING PANEL OPTIONS



BCA1

150mm width x 585mm height x 2mm depth.
5.90 inches width x 23.03 inches height x 0.08 inches depth.



BCA2

175mm width x 585mm height x 780mm depth.
6.89 inches width x 30.71 inches height x 0.98 inches depth.



Everything in one structure



The geared traction motor is housed in the upper part of the modular structure, removing the need for a separate machine room.



The inside of the lift car is finished with coated steel sheeting and is very durable and hard-wearing. Further car wall protection is available in the form of buffer rails and kick plates.



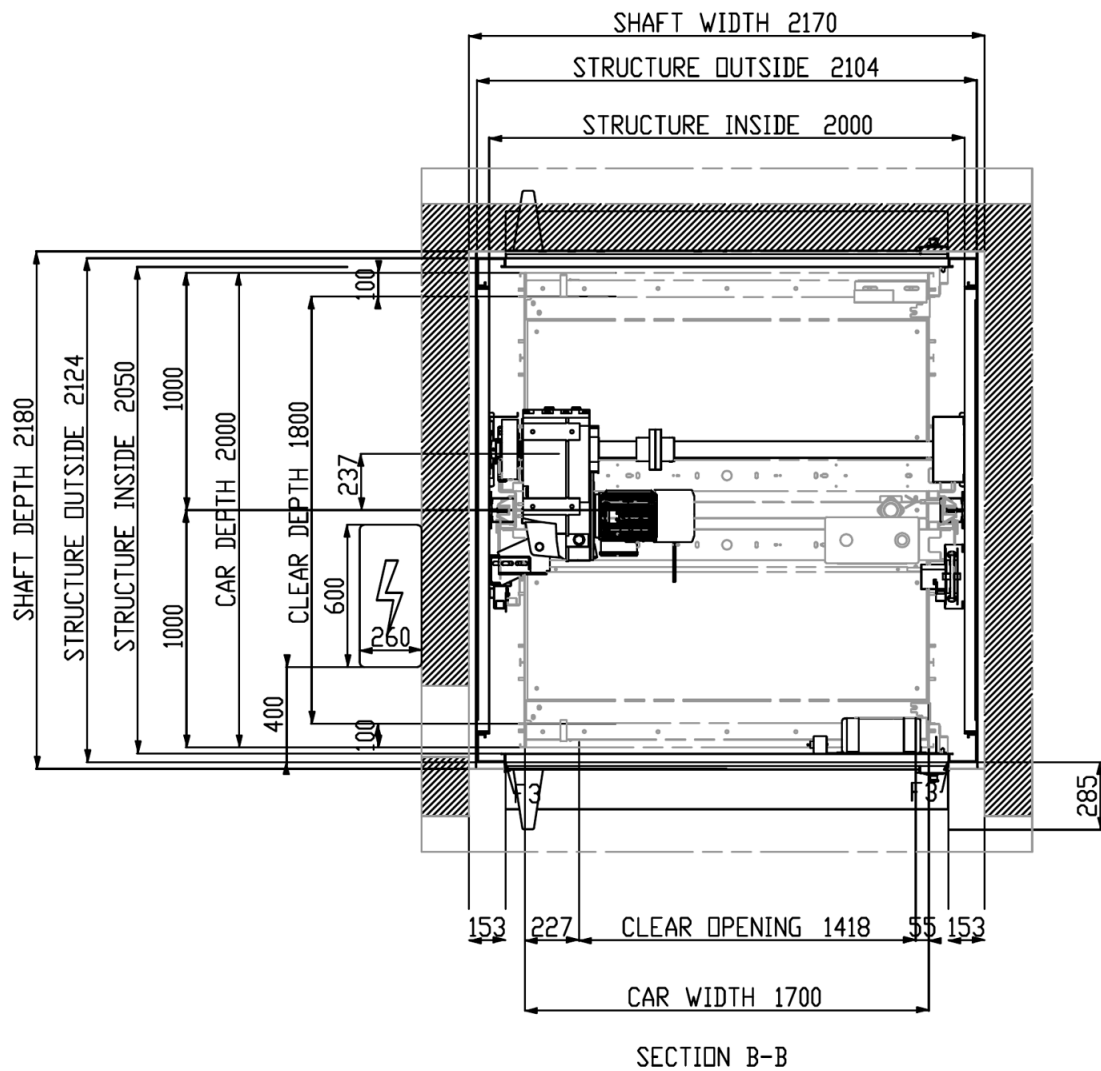
The freestanding modular structure incorporates a 100mm shaft pit, requiring a straightforward loading ramp. Alternatively, a 100mm pit can be built below the structure.





Dimensions guide

Both the APL Traction and APL Traction + Attendant are designed to take maximum advantage of the available space and optimise its productive use.



NOTE: The widths and depths available are entirely independent of each other. Any depth can be combined with any width across all the rated load capacities.

In the case of a fully enclosed lift shaft: at the terminal landing there must be 600mm clearance above the door opening to allow access to the maintenance trapdoor.

On the other floors, the structural opening must be at least the lift car headroom + 180mm.



Car, structure and shaft sizes (mm)

LIFT CAR					STRUCTURE	SHAFT
Width	Entry clearance			Car internal height	Width	Width
	No lift car door		Manual folding picket gate			
	Manual Shutter gate	Outswing				
1000	805	900	805	Car height	1404	1470
1100	905	1000	890	Car height	1504	1570
1200	1005	1100	970	Car height	1604	1670
1300	1105	1200	1070	Car height	1704	1770
1400	1205	1300	1155	Car height	1804	1870
1500	1275	1400	1235	Car height	1904	1970
1600	1375	1500	1335	Car height	2004	2070
1700	1475	1600	1420	Car height	2104	2170
1800	1575	1700	1500	Car height	2204	2270
1900	1650	1800	1600	Car height	2304	2370
2000	1750	1900	1685	Car height	2404	2470

LIFT CAR					STRUCTURE	SHAFT
Depth	Entry clearance				Depth	Depth
	Single entrance		Open through			
	Manual shutter gate	No gate	Manual folding picket gate	No gate		
1000	850	950	800	1000	1120	1180
1100	950	1050	900	1100	1220	1280
1200	1050	1150	1000	1200	1320	1380
1300	1150	1250	1100	1300	1420	1480
1400	1250	1350	1200	1400	1520	1580
1500	1350	1450	1300	1500	1620	1680
1600	1450	1550	1400	1600	1720	1780
1700	1550	1650	1500	1700	1820	1880
1800	1650	1750	1600	1800	1920	1980
1900	1750	1850	1700	1900	2020	2080
2000	1850	1950	1800	2000	2120	2180



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

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