



APL7 Traction Goods Lift



APL7 Traction

The high performance goods lift

The APL7 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.

Wide range of options available

The APL7 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 APL7 to meet your precise specifications.

Flexible and straightforward installation

APL7 Traction installation 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 APL7 Traction comes with its own freestanding modular structure, fully capable of bearing the weight of the whole system.

Compact and powerful

The APL7 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 APL7 Traction consumes significantly less energy than conventional lift platforms, reducing your operating costs.

Simple and safe to use

Transporting goods with the APL7 Traction is easy and completely safe for the operator.

Durability and high performance

The APL7 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 APL7 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 APL7 Traction is a lift designed exclusively for goods transport and is fully compliant with the EC Machinery Directive 2006/42/EC.

APL7 Traction + Attendant

The specialist goods lift with room for attendants

The APL7 Traction + Attendant has all the advantages of the original APL7 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.



The APL7 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.

Standard specifications

APL7 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. <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 |

APL7 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. <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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



APL7 Traction

Optional extras

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

APL7 Traction + Attendant

Optional extras

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



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



Building Management System with alarm push button and position

Voltage-free contacts

Alarm push button

In the pit and on top of the car

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



BCA2

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.

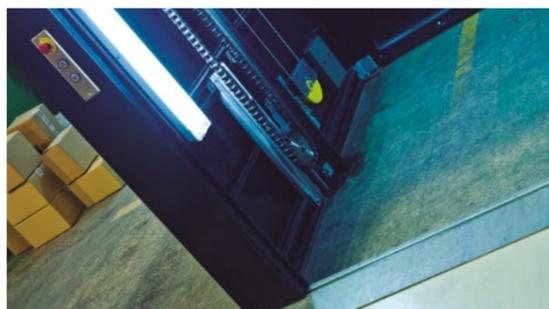
6.89 inches width x 30.71 inches height x 0.98 inches depth.



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



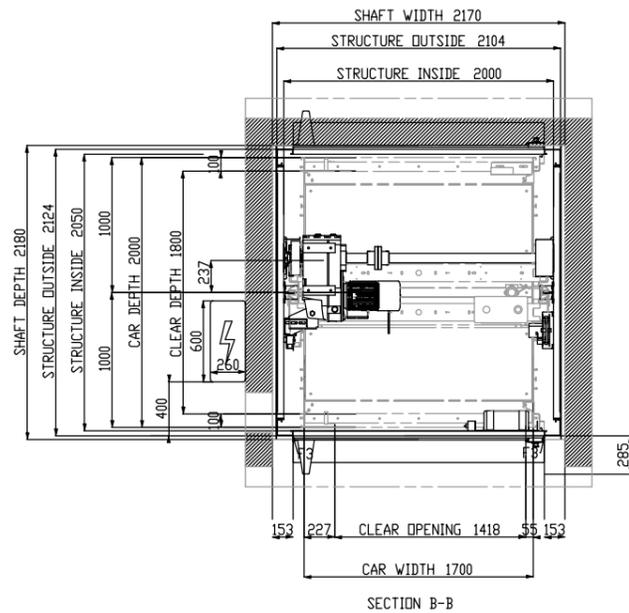
The inside of the lift car is finished with coated steel sheeting and is very durable and hard-wearing. Further car wall protection is available in the form of buffer rails and kick plates.



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 APL7 Traction and APL7 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.

| 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 |



Sales Office:
Unit 8, The Old Joinery,
Maldon Road, Colchester, CO2 0LT



01206 803 132
sales@al-platformlifts.co.uk
www.al-platformlifts.co.uk

