



Goods Lifts

300 - 2000kg Capacity

HI-TEC LIFT SYSTEMS



WHO ARE HI-TEC LIFT SYSTEMS

Hi-Tec Lift Systems are a privately owned lift company who have been established for over 30 years. Our management team have over 100 years' experience within the lift industry. We have an ideal base in Staffordshire, where we can offer nationwide coverage for all new lifts, lift service, lift repair or lift modernisation work. We have installed over 1100 units in the UK over the last 30 years and have built up a reputation with clients as a reliable partner who goes the extra mile. We have many units on service locally that we have had for many years and also lots of national clients too.

Hi-Tec Lift Systems offer the complete range of passenger lifts, goods lifts, platform lifts and access products nationwide. We pride ourselves on supplying high quality solutions that are fully open protocol, giving our clients both peace of mind and flexibility in the future. Our range of products are fully bespoke and we can offer any size, load or interior / doors you require.

Hi-Tec also offer the full turn key package for our clients for existing sites and new buildings. We offer the complete lift removal service, associated builders-work and electrical work, as well as the lift replacement. This allows us to be involved from early design phase right through to handover on site. By having one contractor on site, this cuts down on interfacing with other trades, improves communication and ultimately the level of service.

We also offer traditional lift maintenance, repair works and modernisation to all types of passenger lifts, goods lifts and access products nationwide. With our highly skilled in house engineers we can ensure that our traditional lift maintenance helps cut down on call-outs, down time and costs. We also have a first time fix policy for lift repairs where our aim is to ensure we find the cause of the breakdown and repair it first time with no repeat visits.

Lift Modernisation is another service we offer throughout the UK, whether it's a new lift car interior you need, new doors or the bits you might not see (control systems, hydraulics, motors) – we have a solution for you. A lift modernisation can be a great way to enhance the look of your lift but also make it more reliable and more eco-efficient without the upheaval of a full replacement. We only use high quality open protocol parts and components for all lift repairs and lift modernisations.

Our very high standard of service is what makes us stand out here and Hi-Tec Lift systems so please do get in touch to discuss your next project!



Your Partner in Lifts Solutions

CHOOSING THE RIGHT GOODS LIFTS

The primary purpose of a goods lift is to move bulky or heavy goods and products between floors. Generally they are meant for commercial or industrial back-of-house applications such as warehouses, shop storerooms or manufacturing facilities and are usually operated by trained personnel (as opposed to members of the public). They are in the main not meant for transporting passengers. However, due to the size of the lift car, many goods lifts are accessible to people and the safety rules for their construction and installation must take into account the hazard associated with persons entering the lift or the lift shaft. These lifts are known as Accessible Goods Only Lifts. All of BKG's Goods Lifts are treated as accessible lifts and as such are manufactured to the European Machinery Directive and designed to comply with the European Standard EN81-31:2010. This includes the use of an overspeed governor and safety gear arrangement that is designed to limit uncontrolled movement.



Most Goods Lifts rely on “call and send” controls on the landing, enabling the users to dispatch goods to other levels without stepping inside the lift car. However, should there be a site need to send a trained operative alongside the goods being moved, BKG have designed a special Goods Lift With Attendant. This enables the operative to travel with the goods and select which floor they need to travel to from within the lift car.

As they are designed for back-of-house use and moving heavy goods, a robust and solid design is more critical than aesthetics. All BKG Goods Lifts are built to last, using heavy grade galvanized steel for the lift car, doors and structure. Although zintec or stainless steel units are available if the conditions or environment dictate. They can be mounted inside an existing or newly built brick or block lift shaft or can be simply fitted in their own standalone structure which then can be enclosed with galvanized steel, zintec or stainless steel paneling to minimize builders works and minimize disruption to the lift owner's business.

BKG BESPOKE GOODS LIFTS

Wherever goods need to be transported between floors, the BKG range of Bespoke Goods Lifts offers the ideal answer. Each lift is tailored to meet the most exacting of requirements and each lift is built specifically to match customers' needs.

The BKG Bespoke Goods Lifts range in capacity from 300 to 500kg. They come with heavy duty hinged landing doors – single or double dependent on car size – which can be complimented with a choice of drop-bar or lattice gate protection to the car. Fire-rated concertina landing doors are available as an option. In most cases, the drive unit is fixed at the top of the structure with a chain drive arrangement, however in applications where low headroom is a problem, top or bottom side located drum drive variants are available.

All BKG Bespoke Goods Lifts come with their own galvanized steel structure and are built to a standard specification. Conventional models come complete with a machine access door. Capacity, travel, speed, number of stops, car dimensions, entrance type, finishes etc can all be varied to customize the lift to match the site requirements.

BESPOKE GOODS LIFT STANDARD SPECIFICATION

- Three phase drive unit
- Serve up to 6 floors / 12m travel
- Galvanised steel structure – for fixing into a shaft or against a structural wall
- Galvanised steel machine access door
- Galvanised steel car
- Car Lighting
- Galvanised steel hinged door – single on 300kg models /double on 500kg models.
- Overspeed governor and safety gear arrangement designed to limit uncontrolled movement
- Microprocessor controller

ELECTRICAL

- Additional auxiliary main contactor
- Phase failure reversal relay
- Landing push stations complete with key isolator, car position indicator, lift in use indicator and door open signal
- Lift arrival buzzer
- Anti-quick-reversal
- Overtravel timer
- Hand lamp
- Lift shaft lighting
- Light and socket within machine room
- Socket on car top and in pit
- Wiring in loom form

GENERAL

- Full set of warning notices
- User manual
- Comprehensive installer instructions
- Comprehensive UK style layout drawings and wiring diagrams
- Compliance with EC Machinery Regulations 2006/42/EC and EN81-31:2010
- Carries the "CE" Mark

SPECIFICATION VARIABLES

Loading

- one side
- open through

Machine Location

- above the structure (chain)
- at the side of the structure at the top or bottom floor (drum drive)

Capacity

- 300kg
- 500kg

300kg Model Car Dimensions

- Width 600mm min / 1000mm max
- Depth 800mm min / 1000mm max
- Height 1300mm min / 2000mm max

500kg Model Car Dimensions

- Width 800mm min / 1200mm max
- Depth 1100mm min / 1500mm max
- Height 1300mm min / 2000mm max

OPTIONS

- Single phase drive unit
- Car, doors & frames in zintec, or stainless steel
- Aluminium checker plate car floor
- Overload device
- 2 hour fire-rated single hinged landing door
- 2 hour fire-rated machine access door
- Concertina landing doors (2 hours fire-rated)
- Car entrance protection : drop bar or lattice gate
- Shaft cladding in choice of zintec, galvanised steel or stainless steel panels (non-fire rated)
- Inner shaft cladding on entrance side of the structure.
- Special requirements can be catered for such as Lloyd's Register of Shipping designs, explosion proof, protection to IP44, etc



BESPOKE GOODS LIFTS

BKG Type:	300.15/43F	300.15/45F	500.15/44F	500.15/46F	500.10/48F
Rated Load (kg)	300	300	500	500	500
Speed (mps)	0.15	0.18	0.15	0.18	0.1
Traction Drive location	Top	Bottom side	Top	Bottom side	Top
Landing Door Type	Single Hinged	Single Hinged	Single or Double Hinged	Single or Double Hinged	Concertina
Car Width (CW) (mm) * Min	600	600	800	800	800
Max	1000	1000	1200	1200	1200
Car Depth (CD) (mm)* Min	800	800	1100	1100	1250
Max	1000	1000	1500	1500	1500
Car Height (CH) (mm)* Min	1300	1300	1300	1300	1300
Max	2000	2000	2000	2000	2000
Shaft Width (mm)	CW+400	CW+400	CW+440	CW+440	CW+570
Shaft Depth (mm)	CD+120	CD+120	CD+120	CD+120	CD+120
Headroom (mm)	CH+1350	CH+1100	CH+1350	CH+900	CH+1350
Pit (mm)	170	170	170	170	170

* Car width and depth variable in increments of 50mm. Car height variable in increments of 100mm

BKG GOODSMOVER GOODS LIFTS

Specially developed by BKG for larger and heavier goods applications, the EN81-31 Goodsmover Goods Lifts range has many of the features that you have become accustomed to with BKG's Goods Lifts plus many more.

The BKG Goodsmover range boasts four models, 500kg and 750kg with a small car and 750kg and 1,000kg with a large car. They come complete with their own self-supporting galvanised steel structure and a galvanised steel machine access door. All Goodsmover models are powered by an overhead worm gear and chain drive arrangement, although low headroom versions are available which are driven by a side mounted rope and drum arrangement. The galvanised steel lift car is available as standard in two sizes, although all dimensions can be varied on request. The two smaller lifts are supplied as standard with a single hinged landing door, while the two larger ones are supplied with double hinged doors. Concertina doors are available as an option on all models.

GOODSMOVER STANDARD SPECIFICATION

- Self supporting galvanised steel structure designed to accept cladding
- Galvanised steel machine access door
- Inner shaft cladding on entrance side of structure
- Single hinged galvanised steel landing door on 500kg and small size 750kg models
- Double hinged galvanised steel landing doors on larger 750kg and 1000kg models
- Galvanised steel car with wooden buffer rails
- Compact worm gear drive located inside the shaft at the top with chain drive arrangement
- Overspeed governor and safety gear arrangement designed to limit uncontrolled movement
- Microprocessor controller
- Car Lighting

ELECTRICAL

- Additional auxiliary main contactor
- Phase failure reversal relay
- Landing push stations complete with car position indicator, lift in use indicator, door open signal and key isolator
- Lift arrival buzzer
- Anti-quick-reversal
- Overtravel timer
- Hand lamp
- Lift shaft lighting
- Light and socket within machine room
- Socket on car top and in pit
- Wiring in loom form

GENERAL

- Full set of warning notices
- User manual
- Comprehensive installer instructions
- Comprehensive UK style layout drawings and wiring diagrams
- Compliance with EC Machinery Regulations 2006/42/EC and EN81-31:2010
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GOODSMOVER OPTIONS

- One side or open through entry configuration
- Low headroom version with low level side mounted drum and rope drive arrangement
- Bespoke car dimensions
- Zintec or stainless steel car finish
- Zintec or stainless steel landing door finish
- Zintec or stainless steel machine access door finish
- Car protection – drop bar or picket gate
- Single hinged door 2 hour fire-rated
- Concertina landing doors (2 hours fire-rated)
- Galvanised structure cladding
- Overload device
- Aluminium checker plate floor





GOODSMOVER GOODS LIFTS

BKG Type:	500.10/49	500.10/51	750.15/49	750.15/51	750.15/50	750.15/52	1000.15/50	1000.15/52
Rated Load (kg)	500	500	750	750	750	750	1000	1000
Speed (mps)	0.10	0.10	0.15	0.15	0.15	0.15	0.15	0.15
Landing Door Type	Single Hinged	Concertina	Single	Concertina	Double Hinged	Concertina	Double Hinged	Concertina
Standard Car Width (mm) *	1000	1000	1000	1000	1300	1300	1300	1300
Standard Car Depth (mm) *	1400	1400	1400	1400	1700	1700	1700	1700
Standard Car Height (mm) *	1800	1800	1800	1800	1800	1800	1800	1800
Standard Shaft Width (mm)	1515	1820	1515	1820	1825	2150	1825	2150
Standard Shaft Depth (mm) Single Entry	1630	1740	1630	1740	1940	2040	1940	2040
Standard Shaft Depth (mm) Through Entry	1630	1830	1630	1830	1940	2130	1940	2130
Standard Headroom (mm)**	3200	3200	3200	3200	3100	3100	3100	3100
Pit (mm)	170	170	170	170	170	170	170	170

* Bespoke car dimensions available on request. Please check with Shorts.

** Reduced headroom model (2700mm) available on request

BKG GOODSMOVER GOODS LIFTS WITH ATTENDANT

This lift range is a variation on the basic Goodsmover Lift and allows the goods being moved to be accompanied by a single trained operative.

A push station is fitted in the car which becomes active on the action of a keyswitch. The pushes are hold-to-run type and protection is given to the passenger through the use of a safety edge on the open side of the car. The car height is 2000mm and comes fitted as standard with a light and integrated emergency lighting. All other specification features and options are the same as the basic Goodsmover range.

GOODSMOVER WITH ATTENDANT STANDARD SPECIFICATION

- Self supporting galvanised steel structure designed to accept cladding
- Galvanised steel machine access door
- Inner shaft cladding on entrance side of structure
- Single hinged galvanised steel landing door on 500kg and small size 750kg models
- Double hinged galvanised steel landing doors on larger 750kg and 1000kg models
- 2000mm high galvanised steel car with wooden buffer rails
- Compact worm gear drive located inside the shaft at the top with chain drive arrangement
- Overspeed governor and safety gear arrangement designed to limit uncontrolled movement
- Microprocessor controller
- Car protection through use of safety edge
- Car light with integrated emergency lighting

ELECTRICAL

- Additional auxiliary main contactor
- Phase failure reversal relay
- Landing push stations complete with car position indicator, lift in use indicator, door open signal and key isolator
- Keyswitch operated hold-to-run car push station with landing floor pushes, alarm button and emergency stop switch
- Lift arrival buzzer
- Anti-quick-reversal
- Overtravel timer
- Hand lamp
- Lift shaft lighting
- Light and socket within machine room
- Socket on car top and in pit
- Wiring in loom form

GENERAL

- Full set of warning notices
- User manual
- Comprehensive installer instructions
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GOODSMOVER WITH ATTENDANT OPTIONS

- One side or open through entry configuration
- Low headroom option
- Bespoke car dimensions
- Zintec or stainless steel car finish
- Zintec or stainless steel landing door finish
- Zintec or stainless steel machine access door finish
- Single hinged door 2 hour fire-rated
- Galvanised structure cladding
- Overload device
- Aluminium checker plate floor





GOODSMOVER GOODS LIFTS WITH ATTENDANT

BKG Type:	500.15/49P	750.15/49P	750.15/50P	1000.15/50P
Rated Load (kg)	500	750	750	1000
Speed (mps)	0.15	0.15	0.15	0.15
Hinged Landing Door	Single	Single	Double	Double
Standard Car Width (mm)*	1000	1000	1300	1300
Standard Car Depth (mm)*	1400	1400	1700	1700
Standard Car Height (mm)*	2000	2000	2000	2000
Standard Shaft Width (mm) Single & Through Entry	1515	1515	1825	1825
Standard Shaft Depth (mm) Single & Though Entry	1630	1630	1940	1940
Headroom (mm)	3400	3400	3300	3300
Pit (mm)	170	170	170	170

* Bespoke car dimensions available on request. Please check with Shorts.

** Reduced headroom model (2700mm) available on request

BKG 2000KG GOODS ONLY LIFT

New to the BKG range the 2000kg capacity Goods only lift, available with hinged door model number 2000.15.90 or horizontal sliding concertina doors to landing & lattice gate to car model number 2000.15/90-S.

GOODSMOVER STANDARD SPECIFICATION

- Self supporting galvanised steel structure designed to accept cladding
- Galvanised steel machine access door
- Inner shaft cladding on entrance side of structure
- Galvanised steel car with wooden buffer rails
- Compact worm gear drive located inside the shaft at the top with chain drive arrangement
- Overspeed governor and safety gear arrangement designed to limit uncontrolled movement
- Microprocessor controller
- Car Lighting

ELECTRICAL

- Additional auxiliary main contactor
- Phase failure reversal relay
- Landing push stations complete with car position indicator, lift in use indicator, door open signal and key isolator
- Lift arrival buzzer
- Anti-quick-reversal
- Overtravel timer
- Hand lamp
- Lift shaft lighting
- Light and socket within machine room
- Socket on car top and in pit
- Wiring in loom form



GENERAL

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ADDITIONAL FEATURES OF THE 2000KG CAPACITY GOODS LIFT

- VVVF drive (open loop) as standard with external controller cubicle
- Overload device included as standard
- More powerful drive unit rated at 5.5 kw
- Heavier lifting chain
- New designed heavy duty safety gear
- Self supporting steel structure with heavier gauge steel
- Stronger heavier duty car construction
- Larger guide rails
- Automatic power save function
- Reduced pit depth to 100mm

TECHNICAL SPECIFICATION

Model 2000.15/90 (Hinged door)	Model 2000.15/90-S (Horizontal sliding concertina doors to landing & Lattice gate to car)
Car size: 1300mm wide x 1700mm deep x 1800mm high	Car size: 1300mm wide x 1700mm deep x 1800mm high
Maximum non standard car size with 2000kg capacity: 2000mm wide x 2000mm deep x 2000mm high	Maximum non standard car size with 2000kg capacity: 1800mm wide x 2000mm deep x 2000mm high
Shaft details for standard sized car: Both single & through entry options Hole through floor/pit/internal shaft size: 1825mm wide x 1940mm deep minimum	Shaft details for standard sized car: Single entry: Hole through floor/pit/internal shaft size: 2200mm wide x 2070mm deep minimum Through entry: Hole through floor/pit/internal shaft size: 2200mm wide x 2140mm deep minimum
Pit depth: 100mm	Pit depth: 100mm
Headroom: 3100mm	Headroom: 3100mm

*Sizes for oversized car will increase pro-rata

*Larger sized car is available for both models on request with a reduced capacity to 1500kg *Maximum width is 1800mm for model 2000.15/90-S for both standard & reduced capacity.



BKG PALLET LIFTS

BKG have developed two lifts specifically for transporting goods on pallets. Both lifts are quite simply 300kg capacity Goods Lifts sized specifically to suit the two most commonly used pallets in the UK.

The Euro Pallet Lift is specifically designed to take the widely used 800 x 1200mm Euro Pallet. The car width and depth are 1000 x 1300mm and this lift requires a shaft of 1400 x 1420mm.

The UK Pallet Lift has been developed by BKG specifically for the UK market and is sized to accept 1000 x 1200mm UK style pallets. The special car size on this model is 1100mm wide x 1300mm deep and this requires a shaft of 1500mm wide x 1420 deep.

Both lifts require a pit of 170mm and a minimum headroom of 2500mm and both come with their own structure and come complete with a single hinged landing door and an electrically interlocked drop bar on the car. The car is fitted with timber buffer rails for extra wall protection. The remainder of the lift is produced to the same specification as the BKG Bespoke Goods Lifts and both models are manufactured to comply with EN81-31:2010.

B.K.G. Type :	UK Pallet Lift	Euro Pallet Lift
Rated Load (kg)	300	300
Speed (mps)	0.15	0.15
Drive Location	Above Structure	Above Structure
Car Width (mm)	1100	1000
Car Depth (mm)	1300	1300
Car Height (mm)	1200	1200
Landing Door Type	Single Hinged	Single Hinged
Car Entrance Protection Type	Drop Bar	Drop Bar
Through Entry Loading	Yes	Yes
Lift Shaft Width (mm)	1500	1400
Lift Shaft Depth (mm)	1420	1420
Minimum Headroom (mm)	2500	2500
Pit Depth (mm)	170	170



BKG SERVICE LIFTS

In addition to Goods Lifts, we also offer the full range of BKG Service Lifts, with capacities from 5 to 250kg.

These are available in two basic configurations; Dumbwaiters for the transport of food, small items or documents and Trolley Lifts for the transport of bulky but light items such as laundry, light waste or general retail goods.


As with the Goods Lifts, every model in the Service Lift range comes in the form of a self-contained "kit" complete within its own self-supporting structure to minimize site installation time and reduce builder's works required. In most cases, the structure also houses the lift motor so a separate motor room is often not required. Capacity, travel, speed, number of stops, car dimensions, loading, entrance type, finishes etc can all be varied to customize the lift to match the site requirements. All parts incorporated in the lift carry 12 months guarantee.


Our Dumbwaiters range in capacity from 5 to 250kg and all come with vertical bi-parting landing doors. Conventional models come complete with a machine access door. In addition, BKG have developed the Advantage Dumbwaiter specifically to meet the requirements of the very short lead time market.

The Trolley Lift range extends in capacity from 100 to 250kg. They come with heavy duty hinged landing doors which can be complemented with a choice of drop-bar or lattice gate protection fitted to the car.



All BKG Service Lifts comply with the European Standard EN81-3:2000 which is seen as the most suitable way for a service lift to achieve compliance with European Machinery Directive 2006/42/EC.





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