

GARTEC SERVICE LIFTS



GARTEC

AN ARITCO GROUP COMPANY

GARTEC SERVICE LIFTS

The Gartec Service Lifts are ideal for transporting light goods between floors, such as laundry, food and retailer goods.



ABOUT

The Gartec Service Lifts are available in two configurations: the dumbwaiter (to transport smaller items such as food) and the trolley lift (to transport bulkier, but light items such as laundry, light waste and retailer goods).

Available as two or three stop, single or through entry machines they come complete with vertical bi-parting landing doors and their own galvanised steel structure.

The maximum travel of 4m (two stop) or 7.3m (three stop) can be easily adjusted on site. All Advantage Dumbwaiters can be supplied with either single or 3-phase drives and all car and landing finishes across the range are stainless steel, with landings having 2 hour fire ratings as standard. There is a choice of brushed aluminium roller shutter or stainless steel vertical bi-parting door for car entrance protection.

The Gartec Service Lifts benefits from a short lead time and 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.

TECHNICAL DETAILS

Type of Lift	Internal platform lift for light goods
Usage	Goods Lift
Environment	Internal only
Travel*	2 floor up to 4.0m (adjustable on site) 3 floor up to 7.3m (adjustable on site)
No. of Floors	2-3
Rated Speed	0.45m/s
Capacity	50kg or 100kg
Drive System	High Efficiency Traction Drive
Controls	Microprocessor controller Automatic push button landing stations
Power Required	400v 3 phase or 240v 1 phase
Landing Doors	Vertical bi-parting doors finished in stainless steel 2 hours fire-rated Safety locks fitted
Arrangements	Single or through entry (adjustable on site) 2 floor up to 4 entrances 3 floor up to 6 entrances
Structure	Galvanised steel structure
Car	Finished in stainless steel Removable mid-shelf

Capacity	Model	Speed m/s	Max Travel 2-stop mm	Max Travel 3-stop mm	Min Serving Height mm	Headroom (based on 800mm serving height)	Shaft Width mm	Shaft Depth mm	Car Width mm	Car Depth mm	Car Height mm
50kg	50.45/4	0.45	4000	7300	700	2600	750	750	460	570	800
100kg	100.45/4	0.45	4000	7300	700	2600	1000	1000	710	820	800

GARTEC DUMBWAITER

ABOUT

Each Gartec Dumbwaiter is tailored and built specifically to match the customers needs. The Gartec Dumbwaiter comes with vertical bi-parting landing doors and 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, loading, entrance type, finishes etc can all be varied to customize the lift to match the site requirements. To satisfy hygiene demands, Stainless steel shelves and floors are supplied as standard. Other stainless steel surface finishes are available as an option. A special seamless hygienic car is available for more rigorous requirements.

Automatic “hands free” doors are also available to speed up the loading and unloading process. Optional car protection and heated compartments are especially useful in food transporting applications. Special Chain Drive models are available to make maximum use of a limited footprint and in applications where low headroom is a problem, a bottom drive variant is available.



SPECIFICATION

- Three phase drive unit
- Serve up to 6 floors / 15m travel
- Complete with galvanized steel structure and machine access door
- Zintec or galvanised steel car with stainless steel base and removable shelf
- Zintec or galvanised steel vertical bi-parting landing doors & frames
- Microprocessor controller

SPECIFICATION VARIABLES

CAR DIMENSIONS

- Width 300mm min / 1000mm max
- Depth 320mm min / 1000mm max
- Height 600mm min / 1200mm max

LOADING

- one side
- opposite sides
- adjacent sides

CAPACITY

- 50kg
- 100kg
- 250kg

MACHINE LOCATION

- above the structure
- below the structure
- at the side of the structure

SPEED

- 0.20m/s
- 0.25m/s
- 0.30m/s
- 0.45m/s

FEATURES

- 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 EN81-3:2000
- Carries the “CE” Mark

OPTIONAL FEATURES

- Single phase drive unit
- Car, doors & frames in primed steel, stainless steel or special stainless steels
- Fire-rated landing doors and machine access
- Car entrance protection : vertical bi-parting door, roller shutter door
- Load guard baffles
- Shaft cladding in choice of primed steel, zintec, galvanised steel, stainless steel or plastic coated steel panels.
- Governor operated safety gear for applications where there is accessible space below the lift.
- Special requirements can be catered for such as Lloyd’s Register of Shipping designs, explosion proof, automatic doors and fully automated loading and unloading.

BESPOKE SUSPENDED TRACTION DRIVE DUMBWAITER

Gartec Dumbwaiter Model	50.45/0	50.45/7	100.45/0	100.45/1	100.45/7	100.30/2	300.30/14	300.30/15
Rated Load (kg)	50	50	100	100	100	100	250	250
Speed (m/s)	0.45	0.45	0.45	0.45	0.45	0.30	0.30	0.30
No. of Ropes	3	3	3	3	3	3	5	5
Car Width (CW) (mm) * Min	400	400	400	400	400	400	400	400
Max	600	600	800	1000	900	1000	1000	1000
Car Depth (CD) (mm) * Min	400	500	400	500	500	600	700	800
Max	600	600	800	1000	1000	1000	1000	1000
Car Height (CH) (mm) * Min	600	600	600	600	600	800	800	800
Max	800	800	800	1200	1200	1200	1200	1200
Door Level	Service	Service	Service	Service	Service	Floor	Service	Floor
Loading	Single or Through	Adjacent	Single or Through	Single or Through	Adjacent	Single or Through	Single or Through	Single or Through
Shaft Width (mm) = CW plus	320	320	320	320	320	320	320	320
Shaft Depth (mm) = CD plus	180	240	180	180	240	180	180	180
If Car Height <= 800mm Headroom (mm) = Serving Height + Car or Door Height plus	1190	1190***	1190**	1190**	1190***	1190	1300	1300
If Car Height > 800mm Headroom (mm) = Serving Height + [1.5xCar Height] plus	n/a	n/a	n/a	790	790***	790	790	790
Pit (mm) = Door Height/2 plus	No pit	No pit	No pit	No pit	No pit	130	No pit	130

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

** Models 100.45/48 and 100.45/41 bottom drive models available for low headroom applications.

*** This dimension will increase if upper floor landing door is on adjacent side of lift.

Note : Car entrance protection, safety gears for car or counterweight, special models and options are all available on request.

Car doors may change Minimum Car dimensions and Headroom and Pit requirements. Always check with Gartec

All Service level dumbwaiters have a minimum serving height of 700mm.

BESPOKE DIRECT SUSPENDED CHAIN DRIVE DUMBWAITER

Gartec Model	100.45/3	100.45/8	100.45/8
Rated Load (kg)	100	100	100
Speed (m/s)	0.45	0.45	0.45
No. of Chains	2	2	2
Car Width (CW) (mm) * Min	300	300	300
Max	600	800	900
Car Depth (CD) (mm) * Min	320	500	500
Max	350	800	1000
Car Height (CH) (mm) * Min	600	600	600
Max	800	800	1200
Door Level	Service	Service	Service
Loading	Single or Through	Adjacent	Adjacent
Shaft Width (mm) = CW +	320	320	320
Shaft Depth (mm) = CD +	180	180	180
If Car Height <= 800mm Headroom (mm) = Serving Height + Car or Door Height plus	1190	1190***	1190***
If Car Height > 800mm Headroom (mm) = Serving Height + [1.5 x Car Height] plus	n/a	n/a	790***
Pit (mm)	No pit	No pit	No pit



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

*** This dimension will increase if upper floor landing door is on adjacent side of lift.

Note : Car entrance protection, safety gears for car or counterweight, special models and options are all available on request.

Car doors may change Minimum Car dimensions and Headroom and Pit requirements. Always check with Gartec.

All service level dumbwaiters have a minimum serving height of 700mm.

DUMBWAITER FOR LOW HEADROOM APPLICATIONS

ABOUT

This lift has been designed for buildings where the headroom at upper floor is insufficient to accommodate a conventional top drive lift. The double chain drive lift has the winding unit placed at the bottom of the lift shaft under car within a separate machine area. The access door is normally located under the serving sill. The lift occupies the same shaft plan size as a conventional top drive lift, with the only stipulation that the sill height at the bottom floor serviced has to be a minimum of 900mm.

Standard specification and specification variables are the equivalent (or the same) as the conventional bespoke dumbwaiters. This 100.45/41 model complies with the European Standard EN81-3: 2000.

DUMBWAITER (LOW HEADROOM)

Gartec Model	100.45/41
Rated Load (kg)	100
Speed (m/s)	0.30
No. of Chains	2
Car Width (CW) (mm) * Min	500
Max	800
Car Depth (CD) (mm) * Min	500
Max	1000
Car Height (CH) (mm) * Min	700
Max	1200
Door Level	Service
Loading	Single or Through
Shaft Width (mm) = CW +	320
Shaft Depth (mm) = CD +	180
Headroom (mm) Serving height + (1.5 x Car height) +	250
Pit (mm)	No pit

NOTE: The minimum car height (ch) = car width (cw) + 200mm

NOTE: Adjacent entrances, machine room access door on adjacent wall opposite guides available as an option.

Car entrance protection, safety gear for car, special models and options are all available on request.

Safety gear model requires additional shaft width & headroom.

Car doors will reduce internal car size, always check with Gartec.

Larger car options may reduce running speed, always check with Gartec.

All service level dumbwaiters have a minimum serving height of 700mm.

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

GARTEC TROLLEY LIFT

ABOUT

The Gartec Trolley Lift is ideal for moving bulky lighter goods between floors, with a capacity of 100 to 250kg. It comes with heavy duty hinged landing doors which can be complemented with a choice of drop-bar or lattice gate protection fitted to the car.

The Gartec Trolley Lift comes with their own galvanised 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.



SPECIFICATION

- Three phase drive unit
- Serve up to 6 floors / 15m travel
- Complete with galvanised steel structure and machine access door
- Zintec or galvanised steel car
- Zintec or galvanised steel landing doors & frames
- Microprocessor controller

SPECIFICATION VARIABLES

CAR DIMENSIONS

- Width 400mm min / 1000mm max
- Depth 600mm min / 1000mm max
- Height 800mm min / 1200mm max

LOADING

- one side
- opposite sides
- adjacent sides

CAPACITY

- 100kg
- 250kg

MACHINE LOCATION

- above the structure
- at the bottom beside the structure

SPEED

- 0.15m/s
- 0.20m/s
- 0.25m/s
- 0.30m/s

FEATURES

- 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 EN81-3:2000
- Carries the "CE" Mark

OPTIONAL FEATURES

- Single phase drive unit
- Double-hinged landing doors
- Car, doors & frames in primed steel, stainless steel or special stainless steels
- Fire-rated landing doors and machine access door
- Car entrance protection : drop bar, picket gate or load guard baffles
- Shaft cladding in choice of primed steel, zintec, galvanised steel, stainless steel or plastic coated steel panels.
- Special requirements can be catered for such as Lloyd's Register of Shipping designs or explosion proof.

BESPOKE SUSPENDED TRACTION DRIVE TROLLEY LIFT

Gartec Dumbwaiter Model	100.30/9	100.30/12	100.45/0	300.30/11
Rated Load (kg)	100	100	250	250
Speed (m/s)	0.30	0.30	0.30	0.30
No. of Ropes	3	3	5	5
Car Width (CW) (mm) * Min	400	600	400	600
Max	1000	1000	1000	1000
Car Depth (CD) (mm) * Min	600	700	800	800
Max	1000	1000	1000	1000
Car Height (CH) (mm) * Min	800	800	800	600
Max	1200	1200	1200	1200
Loading	Single or Through	Adjacent	Single or Through	Adjacent
Shaft Width (mm) = CW +	400	260	400	260
Shaft Depth (mm) = CD +	120	260	120	260
If Car Height <= 1100mm Minimum Headroom (mm)	n/a	n/a	2400	2400
If Car Height <= 1100mm Headroom (mm) = Car or Door Height plus	1300	1300	n/a	n/a
If Car Height > 1100mm Headroom (mm) = Car or Door Height plus	1300	1300	1300	1300
Pit (mm)	260	260	260	260

* Car width and depth variable in increments of 50mm. Car height variable in increments of 100mm
 Note : Car entrance protection, safety gears for car or counterweight, special models and options are all available on request.
 Car doors may change Minimum Car dimensions and Headroom and Pit requirements. Always check with Gartec.



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