



# *Residlift*

## *The home solution*



## Designed & manufactured in Spain

Over recent times, Spain has deservedly become one of the most efficient lift manufacturing countries in Europe and in the whole world. Nowadays, lifts manufactured in Spain are internationally recognised and valued for their high quality and technological level. The Spanish and European markets still feature a few independent manufacturers like IMEM Lifts whose design and manufacturing successfully combine a craftsmanlike attention to detail with the up-to-the-minute use of the latest technology -as well as providing an excellent customer/technical support service.

## IMEM Lifts - European leader in special lifts

Since its foundation as a small family firm in 1968, IMEM Lifts has become one of the best-known and well-respected brands in the Spanish lift industry and an acknowledged leader in the European and world markets. IMEM undertakes top-rank projects anywhere in the world, offering our clients the best available vertical transport solutions.

We have two production plants, one manufacturing

mechanical components and the other electrical components. Our more than forty years of hands-on manufacturing experience have allowed us to steadily fine-tune our production techniques, improving every single process involved and optimising the fitness of each and every component to the final product.

More than just a manufacturer, IMEM has become a significant advanced technology centre, committed to permanent innovation.

IMEM is currently the Spanish lift company with the highest number of quality certification awards: ISO 9001 for our commitment to quality management, ISO 14001 for our commitment to environmental sustainability, OHSAS 18001 for our commitment to occupational health and safety and the EFQM 400+ seal of recognition for Commitment to Excellence.

With international customers in fifty-seven countries and spread across five continents, including many well-reputed construction, lift and engineering companies, IMEM is Europe's leading designer and manufacturer of special lifts: we specialise in all types of non-standard and made-to-measure lifts. We set ourselves new challenges every single day and we actively enjoy stretching our limits to give our customers what they want: heavy goods lifts, high-speed lifts, inclined lifts and lifts specially suited to difficult shaft spaces currently make up the majority of our products.



## Cutting-edge European technology for the home

Whether you are a builder, a developer or an architect looking for the most efficient lift solution for family homes, or a homeowner who simply wants a lift which takes up little space, is easy to install and increases your property's value, we are delighted to be able to offer you simply the best solution on the market.

**residLIFT®** is 100% Spanish-designed and manufactured, a stylish residential lift suitable for all kinds of different environments.

**residLIFT®** is a hydraulic lift specially designed for passenger transport in family homes, which usually have very limited space available for lift installation. Its competitive sizing and significant advantages over the competition make ResidLift the stand-out solution for family homes.

**residLIFT®** offers freedom of movement within the home to those for whom stairs represent an insurmountable obstacle, and actively improves their quality of life.

In most existing buildings where lack of space limits or rules out normal pit depth or headroom, the straightforward solution is **residLIFT®**.

- **residLIFT®** is an easily-assembled product which requires no major building work, thanks to its freestanding structure. It needs only the
- space to stand up in. It can also be installed
- within a masonry-built lift shaft, if required

## No major building work. No pit

Installing a **residLIFT®** involves neither complicated building work nor the excavation of a pit within your home, thanks to the freestanding structure which forms the lift shaft and which only requires the space which it itself takes up. All this not only gets rid of the major nuisance involved in having building work carried out inside your own home, but also represents major financial savings compared to the installation of a conventional lift.

ResidLift's design reduces the space occupied by the lift shaft to a minimum. This space-saving frees up surface area for other uses, also helping to increase the value of the building.





## Available to be built in a masonry built shaft, or to be supplied with structure

The **residLIFT**® can be supplied with its self-supporting shaft structure or it can be installed within a masonry-built shaft.

Where indoor installation is impossible, **residLIFT**® can be installed outdoors.

## Safety and reliability

The safety features supplied as standard with the **residLIFT**® are carefully designed to make it safe and reliable. Passenger safety is ensured by a 2D optically-activated lift car stop mechanism which brings the lift car to a smooth stop on detection of the slightest movement within that area.

We also offer lift users optional extras to increase security according to their particular needs. Keyed switches can be fitted in order to prevent use by unauthorised personnel. A safety device is available, in case of power cuts, which automatically returns the car to the ground floor to allow the safe exit of lift passengers.

## Compliant with AS 1735.18

**residLIFT**® is certificated as compliant with AS1735.18 Lifts, escalators and moving walks, Passenger lifts for private residence- Automatically controlled and can be adapted to comply with the AS1735.16, please refer to extras.

## Great design in your own home

**residLIFT®** is designed to fit in with any surroundings - and to improve them. The choice of available finishes is wide-ranging and top-quality, from dazzling floor and ceiling designs to stainless steel, mirrored and glazed wall panelling among the many combinations on offer.

We offer four different lift car models, finished in versatile and functional skinplate, hardwearing laminates in attractive colours, stainless steel or glazed.

The lift car lighting - fluorescent light panels or LED or halogen spots - goes together perfectly with the car interior design, adding a touch of sophistication to any home. The shaft structure can be supplied clad with painted metal sheeting, and partly or completely glazed.

## Flexibility

The **residLIFT®** comes with all the equipment necessary to ensure efficient, safe and reliable operation supplied as standard, as well as offering many optional extras to suit every customer's particular needs. The widest choice of finishes on the market satisfies the most demanding specifications.

In addition to the standard lift shaft and car options set out in this catalogue, the ResidLift can be adapted to suit existing shafts and non-standard dimensions. Get in touch with us and we will come up with the one-off solution to your particular needs.

## Energy-efficient

The **residLIFT®** has been designed with optimum energy-saving features. Its low power consumption - further enhanced by its auto-off lift car lighting feature - guarantees extremely low running costs. **residLIFT®** consumes less energy than any other hydraulic drive system on the market at its rated load and speed levels.



## Freestanding shaft structure

The **residLIFT**® can be supplied with its own freestanding shaft structure or the shaft can be masonry-built on site. The shaft structure can be clad with metal sheeting or laminated glass panels.

### Modular freestanding structure finished in metal sheeting

The modular freestanding structure is constructed of 1500mm vertical lengths of steel section, with horizontal lengths fitted at 1500mm intervals, which are bolted together and fixed to the building structure with bolted brackets, and is clad with folded metal sheeting, thereby forming a closed and hollow shaft within which the **residLIFT**® with its particular agreed characteristics is then mounted.

This structure is certificated for its compression resistance capacity to both the dead weight and the variable loads exerted by the lift car and the structure itself. The resistance capacity of the cladding panels is certificated according to Section 5.3.1 of the UNE-EN 81-1 and UNE-EN 81-2 Standards. The structure arrives on site pre-painted in black polyester and suitable for both interior and exterior use. RAL colours are also available on request (RAL colour 9005 supplied as

standard). The outside of the shaft roof is finished in panelling of the same type and colour as the rest of the structure, with a single pitch for water run-off and a special slot for shaft ventilation.

### Modular freestanding structure finished in STADIP laminated glass

The modular freestanding structure is constructed of 1500mm vertical lengths of metal section, with horizontal lengths fitted at 1500mm intervals, which are bolted together and fixed to the building structure with bolted brackets, and is clad with 5+0,76+5 mm laminated glass thereby forming a closed and hollow shaft within which the ResidLift with its particular agreed characteristics is then mounted.

This structure is certificated for its compression resistance capacity to both the dead weight and the variable loads exerted by the lift car and the structure itself. The resistance capacity of the cladding panels is certificated according to Section 5.3.1 of the UNE-EN 81-1 and UNE-EN 81-2 (European Standards). The structure arrives on site pre-painted in black polyester and suitable for both interior and exterior use. RAL colours are also available on request. The outside of the shaft roof is finished in panelling of the same type and colour as the rest of the structure, with a single pitch for water run-off and a special slot for shaft ventilation.





# Standard technical features

Rated speed	0.15m/s	0.3m/s
	Compliant with the Australian/New Zealand Standard AS/NZS 1735.18.	Compliant with the Australian/New Zealand Standard AS/NZS 1735.18.
<i>Rated loads</i>	115, 250, 315 or 385kg	115, 250, 315 or 385kg
<i>Entrances</i>	Single, or double at 90° or 180° (triple entrance not available)	Single, or double at 90° or 180° (triple entrance not available)
<i>Hydraulic power unit</i>	HL 6000, central	GL, central
<i>Pistons</i>	HL 6000 pistons, 55, 65 & 75mm	HL 6000 pistons, 55, 65 & 75mm
<i>Maximum travel</i>	12m	385Kg capacity lifts, maximum travel: 9m* From 115Kg up to 315Kg capacity lifts, maximum travel: 12m*
<i>Power</i>	1.5kW or 2.2kW	2.2kW or 3.4kW
<i>Headroom</i>	Car internal height + 400mm / + 500mm with automatic landing door	Car internal height + 400mm / + 500mm with automatic landing door
<i>Minimum pit depth</i>	120mm / 200mm with automatic landing door	120mm / 200mm with automatic landing door
<i>Car internal height</i>	2100mm (vertical clearance: 2000mm)	2100mm (vertical clearance: 2000mm)
<i>Car widths</i>	From 650 to 1100mm (see tables)	From 650 to 1100mm (see tables)
<i>Car depths</i>	From 700 to 1400mm (see tables)	From 700 to 1400mm (see tables)
<i>Min. necessary shaft width</i>	Car width + 255mm / + 290mm if double entrance at 90°	Car width + 255mm / + 290mm if double entrance at 90°
<i>Min. necessary shaft depth</i>	Car depth + 145mm / + 180mm if double entrance at 180°	Car depth + 145mm / + 180mm if double entrance at 180°
<i>Horizontal entrance clearance</i>	600, 800 or 900mm (triple entrance not available)	600, 800 or 900mm (triple entrance not available)
<i>Vertical entrance clearance</i>	2000mm	2000mm
<i>Hydraulic hose</i>	Maximum length 5m	Maximum length 5m

\* Information valid for RL200, RL300 and RL Stainless steel cars. For scenic cars please contact our Sales Dept.

The **residLIFT**® can be installed in a built shaft or a metal structure

## Standard equipment

- Hinged doors with small glass panels Epoxy RAL 7032 finish EN81-58 fire-resistant for 120 minutes
- No lift car door
- 2D emergency lift car stop mechanism & 75mm architraves
- Lift car: skinplate finish (RL200 series)
- Microprocessor-based control system
- Landings: call push-buttons mounted on the door frame
- Lift car: stainless steel button panel set in centre of wall closest to mechanism
- Acoustic alarm button
- Gondola-type telephone
- No handrail
- Emergency lighting
- Shaft lighting: obligatory in pit & top of shaft (Art. 17.3)
- Guide rails: 5m
- No mirror
- Information notices
- Pressurestat
- Manually-operated emergency pump for raising car to landing
- Automatic Push Button lift control system

## Available extras

### LIFT AND HYDRAULIC MOTOR CONTROL CABINET

- E-400 lift and hydraulic motor control cabinet size (700w x 400d x 1500mm h) for nN=0.15m/s
- E-500 lift and hydraulic motor control cabinet size (960w x 510d x 2160mm h) for nN=0.3m/s GL power unit.

### FLOOR

- 20mm granite car floor finish, pit depth to 140mm.

### LANDING DOORS

- Hinged doors with small glass panels 100 mm. frame option (EN81-58 fire-resistant)
- Landing door, Automatic *hinged doors with large glass panels and hinged doors with a fully glazed panel* models, with special finishes
- Horizontal entry clearance: 650, 750 or 850mm
- Vertical entry clearance: 1850, 1900 or 1950mm
- Option motorized.

### CAR DOOR

- Automatic bus-type lift car doors with or without glass panel, flat or folding (+ 25mm. shaft depth per entrance, + 200mm pit depth, headroom=vertical entry clearance + 450mm).

### CONTROL ELECTRONICS

- Radar sensor technology with automatic landing door
- Push-button door opening, no in-car Stop button when there is car door
- Restricted-use key
- Portable inspection kit
- External push-button panels
- Visual and acoustic overload signal
- Voice announcer
- Car Light timer
- Automatic emergency rescue device.

### CAR

- Full-height mirror, one-third of car wall width
- Lighting options: halogen, LED or Model 401
- Panoramic lift car. RAL9006 silvered paint finish option for floor, ceiling and safety catches
- Stainless steel round handrail in one side of the car
- Internal lift car height: 2000 o 2200.



### SHAFT LIGHTING

- Compulsory in pit & top of shaft.

### GUIDES

- Guide rail 2,5m
- Guide rail oil spill collector.

### STRUCTURE

- Steel shaft structure
- Access ramp
- Structure painted in a different colour (RAL).

### DIGITAL INDICATORS

- LCD display within lift car
- LCD display on landing door.

### ECO

- \*Biodegradable non-contaminant lubricant (for the central hydraulic motor).

### OTHERS

- Main electrical supply box.
- Ramp of 120mm (without pit)
- Ramp of 140mm (without pit and granite floor in the car)
- Installation tools: Jigg and lifting hook or safety gear releasing pedal.

### PART 16 COMPLIANCE

- Some models of our Residlift comply with the Part 16, for further information, please contact our sales department.

# Standard technical features

## LIFT CARS

ResidLift offers the choice of four different lift car models to fit in perfectly with every type of interior design. All our cars are carefully designed and manufactured and stand out for their exceptional quality and durability.



## DOORS

See all available door options in page 14.



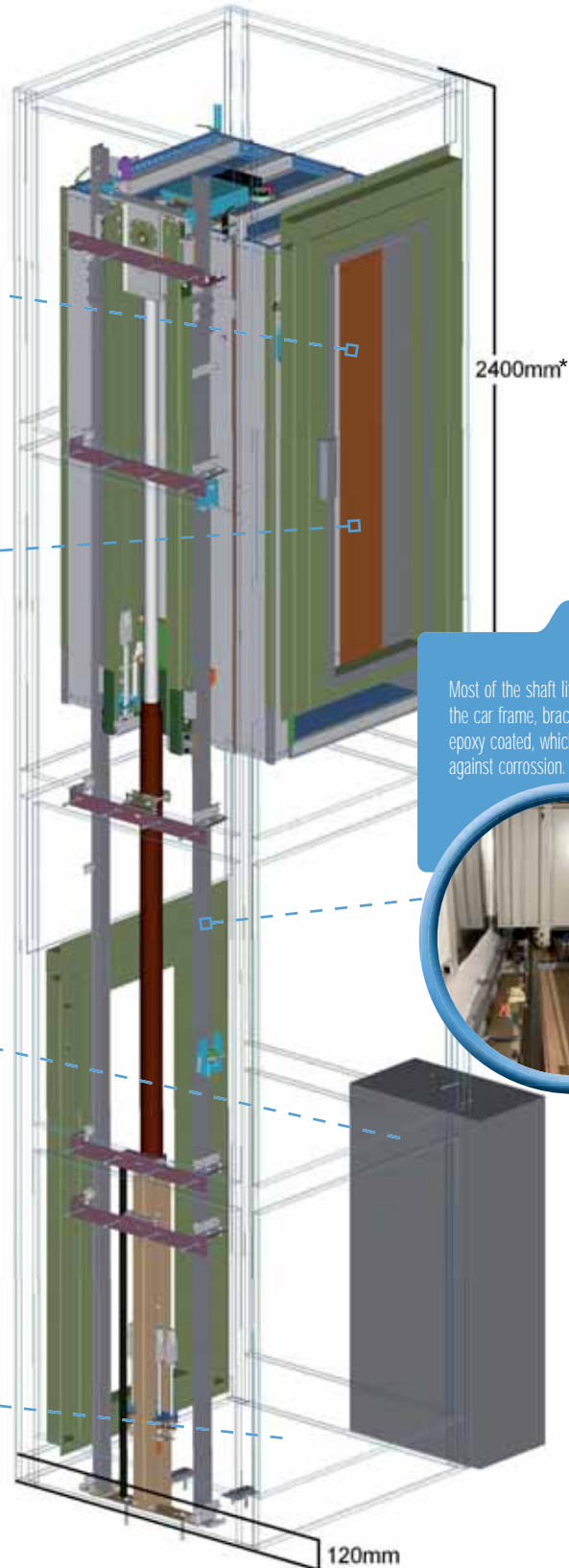
## CONTROL SYSTEM

Our Altamira lift control system - developed and designed from start to finish by our own R&D+i department - governs Silens-Pro's operation with surgical precision, exploiting to the full its top-class specifications. The Altamira control system requires minimal wiring, thanks to its smart peripheral components using CAN bus networking and offers APB, down collective and full collective options.



## PIT

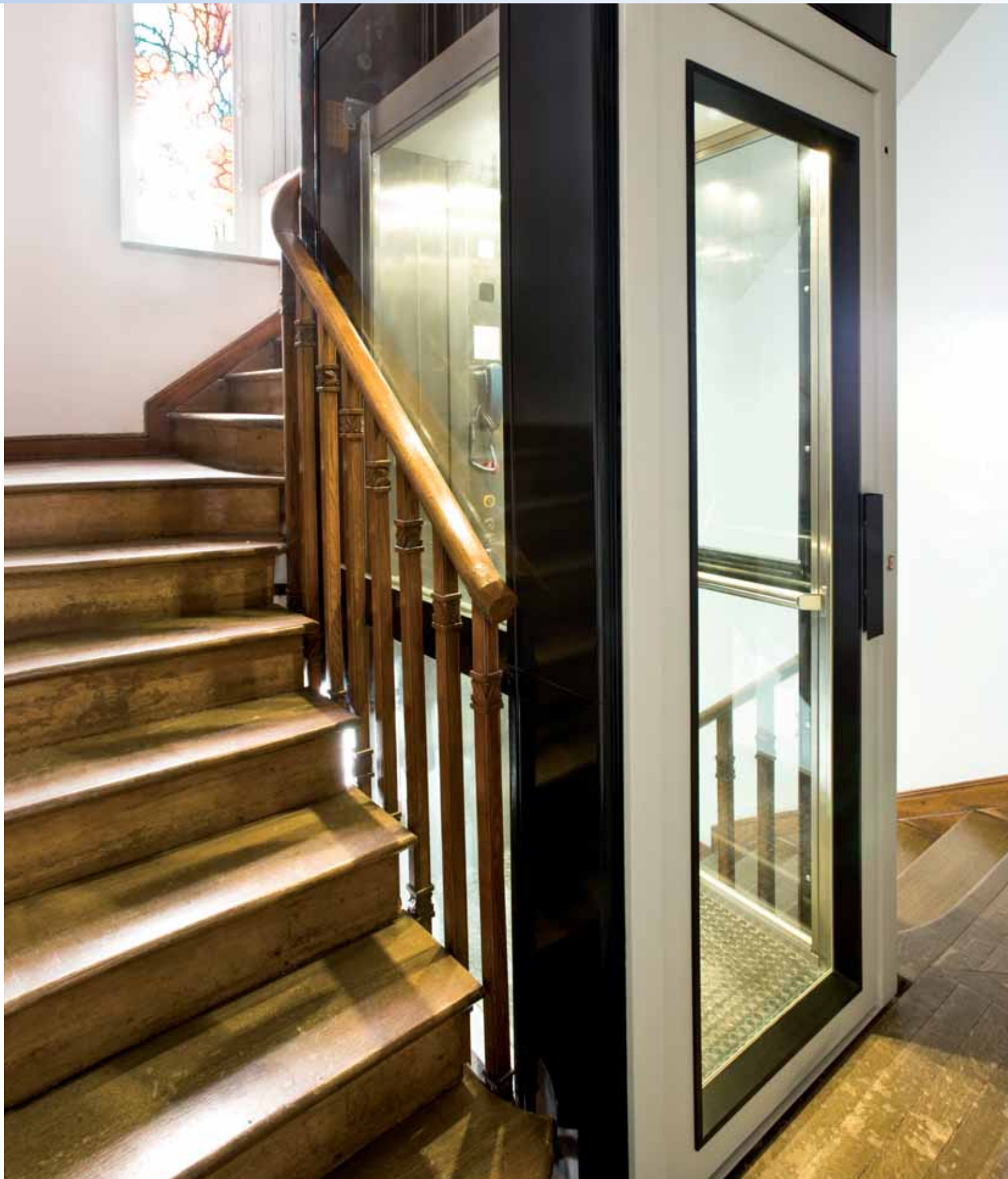
With ResidLift you can thankfully forget about the major inconvenience of digging out a lift shaft pit. The freestanding structure incorporates its own 120mm pit and includes a simple ramp. Where the shaft is masonry-built, pit depth is only 120mm.



## DURABLE FINISHES

Most of the shaft lift components such as the car frame, brackets etc. are supplied epoxy coated, which protects the parts against corrosion.





# Lift car finishes

## Design options

### RL 200 CAR

Laminated PVC wall panels available in a wide range of colours and textures, matched with corner profiles in stainless steel.

- Hardwearing floor finishes in rubber or vinyl
- Mounted light panel. Direct fluorescent lighting or halogen or LED spots, fitted above a black perforated steel suspended ceiling with methacrylate diffusers are also available.



### RL 300 CAR

Car wall panels fixed to the metal structure and finished in hardwearing designer laminate, available in a choice of colours.

- Hardwearing floor finishes in rubber or vinyl
- Mounted light panel. Direct fluorescent lighting or halogen or LED spots, fitted above a black perforated steel suspended ceiling with methacrylate diffusers are also available.



### RL STAINLESS STEEL CAR

Car wall panels of natural stainless steel.

- Hardwearing floor finishes in rubber or vinyl
- Mounted light panel. Direct fluorescent lighting or halogen or LED spots, fitted above a black perforated steel suspended ceiling with methacrylate diffusers are also available.



### RL SCENIC

Car wall panels in laminated safety glass. One panel in stainless steel, laminated PVC or laminate.

- Wall panels in 10 mm security laminated glass (5+0,76+5) and one panel in stainless steel, laminated PVC or laminate
- Direct fluorescent lighting or halogen or LED spots, fitted above a black perforated steel suspended ceiling with methacrylate diffuser are also available.



2D optically-activated emergency lift car stop mechanism



Stainless steel handrails



Push-buttons

## Wall panels



## Floors



## Door paint finishes



## Available door options

Landing doors are available hinged as well as motorized. The motorized option offers a hinged landing door incorporating a motor which uses an operating arm to open and close the door when the car arrives at landing level.

With the motorized landing door system, we offer as an optional extra a radar device which automatically detects the presence of someone waiting at the landing and opens the door for them without the lift call button being pressed.

We also offer the option of fitting bus-type lift car doors, programmed to remain open when the car is at rest.

Other door options are also available. Please contact us for further information.



Hinged doors with small glass panels



Automatic bus-type lift car doors



Hinged doors with large glass panels



Hinged doors, fully glazed panel

## Display



LCD

Car position and direction indicator that also shows a message when the lift is in error mode.

## Lift car detailing



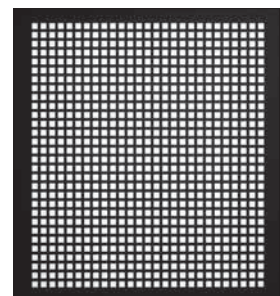
Ceiling with halogen spots



Ceiling with LED spots



Light panel (standard)



Model 401 suspended ceiling panel, perforated sheet metal, fluorescent-lit from above



# 115kg MODEL: Dimension planning guide

115Kg · 1 ENTRANCE (MECHANISM SIDE-MOUNTED)					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
650	850	905	995	600	850
800	700	1055	845	700	950
750	750	1005	895	700	950
650**	700**	905	845	600	850

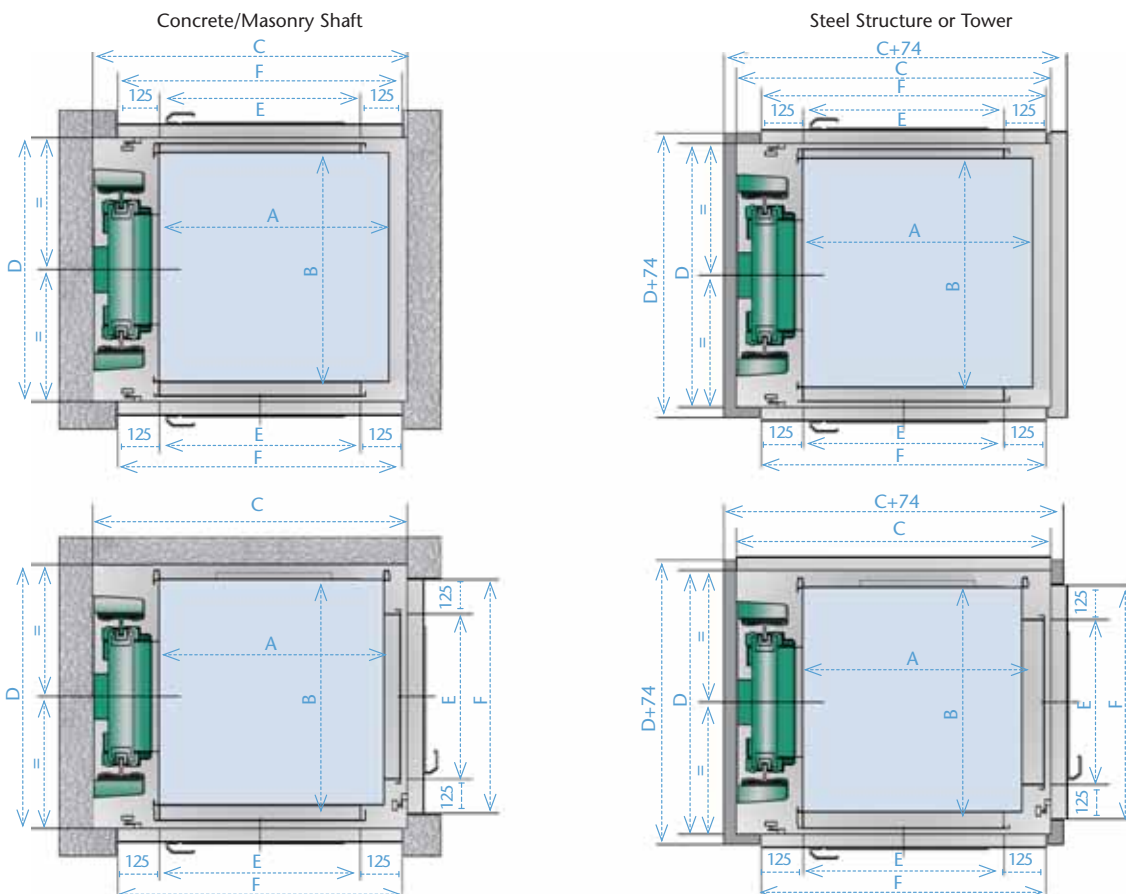
115Kg · 2 ENTRANCES AT 180°					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
650	850	905	1030	600/600	850/850
775	700	1030	880	700/700	950/950
750	725	1005	905	700/700	950/950
650**	700**	905	880	600/600	850/850

115Kg · 1 ENTRANCE (MECHANISM REAR MOUNTED)					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
650	850	905	995	700	950
725	770	1015	880	600	850
600	925	890	1035	700	950
600**	770**	890	880	600	850

115Kg · 2 ENTRANCES AT 90°					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
775	725	1065	870	700/600	950/850
725	775	1015	920	600/600	850/850
675	810	965	955	600/700	850/950
675**	710**	965	855	600/600	850/850

\*\* Cars with Eco-Bus doors require 25mm increased depth per entrance

\*Other dimensions available to suit existing shafts - contact us



All dimensions expressed in millimetres

# 250kg MODEL: Dimension planning guide



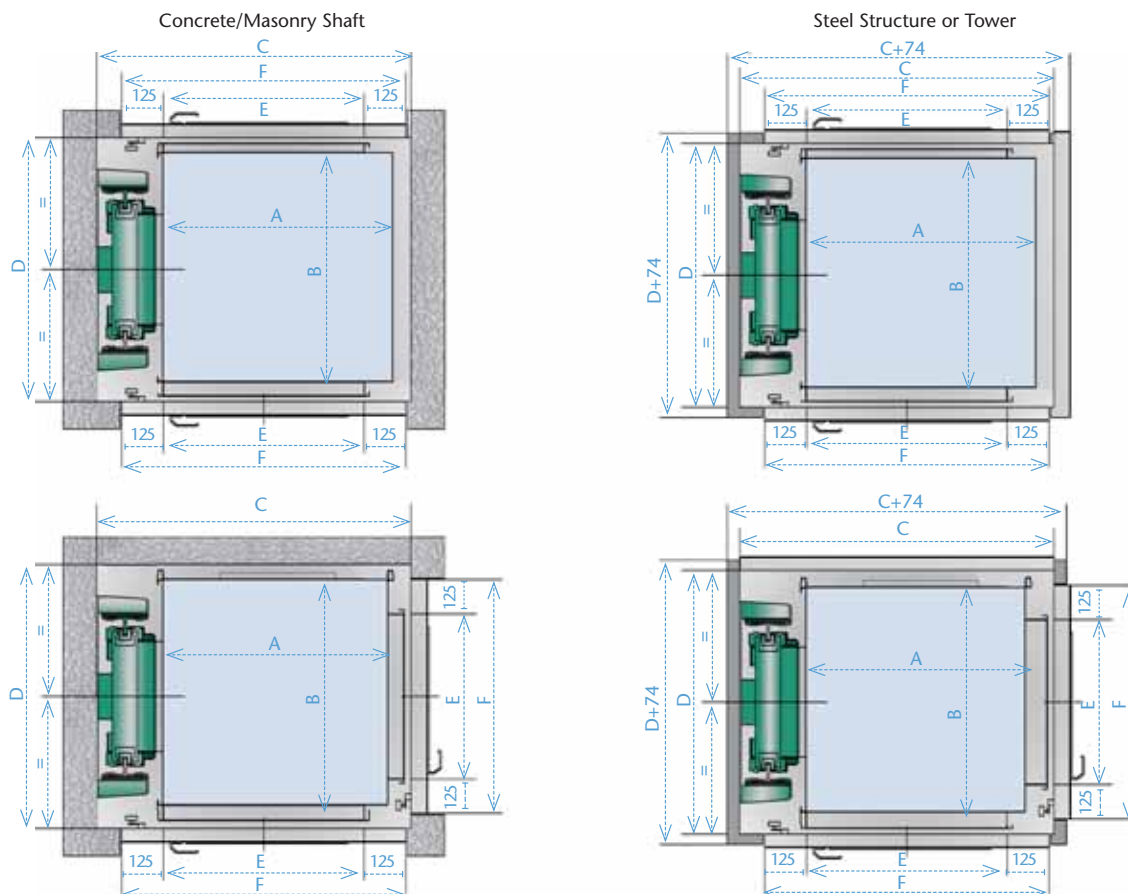
250Kg · 1 ENTRANCE (MECHANISM SIDE-MOUNTED)					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
850	1400	1105	1545	800	1050
1000	1250	1255	1395	900	1150
1100	1125	1355	1270	900	1150
750**	750**	1005	895	700	950

250Kg · 2 ENTRANCES AT 180°					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
850	1400	1055	1580	800/800	1050/1050
1000	1250	1255	1430	900/900	1150/1150
1100	1125	1355	1305	900/900	1150/1150
750**	750**	1005	930	700/700	950/950

250Kg · 1 ENTRANCE (MECHANISM REAR MOUNTED)					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
1100	950	1390	1060	800	1050
1100	1100	1390	1210	900	1150
1000	1250	1290	1360	900	1150
750**	750**	1040	860	600	850

250Kg · 2 ENTRANCES AT 90°					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
850	1400	1140	1545	800/900	1050/1150
1000	1250	1290	1395	900/900	1150/1150
1100	1125	1390	1270	900/900	1150/1150
750**	750**	1040	895	700/600	950/850

\*\* Smaller lift car available. \* Cars with Eco-Bus doors require 25mm increased depth per entrance



All dimensions expressed in millimetres

# 315/385kg MODEL: Dimension planning guide

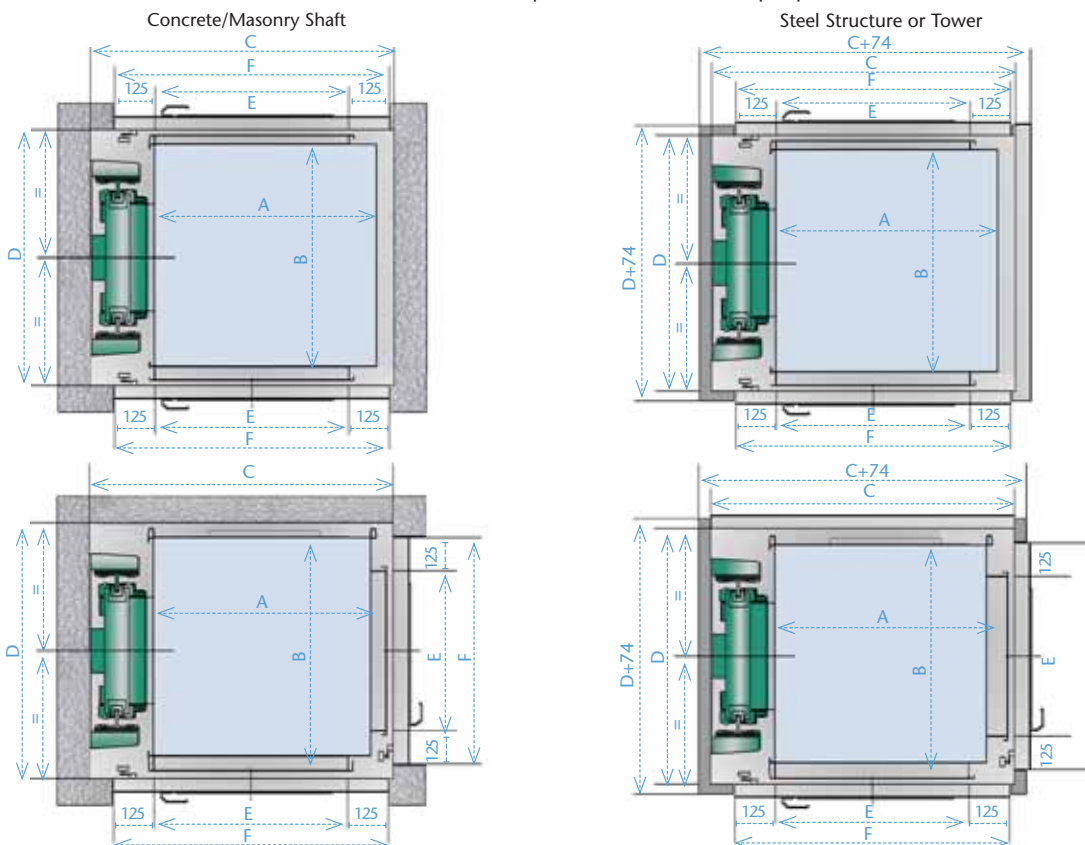
315/385Kg · 1 ENTRANCE (MECHANISM SIDE-MOUNTED)					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
1100	1400	1355	1545	900	1150
1100	1200	1355	1345	900	1150
1000	1300	1255	1445	900	1150
900	1400	1155	1545	800	1050
800**	750**	1055	895	700	950

315/385Kg · 2 ENTRANCES AT 180°					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
1100	1400	1355	1580	900/900	1150/1150
1100	1200	1355	1380	900/900	1150/1150
1000	1300	1255	1480	900/900	1150/1150
900	1400	1155	1580	800/800	1050/1050
800**	750**	1055	930	700/700	950/950

315/385Kg · 1 ENTRANCE (MECHANISM REAR MOUNTED)					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
1100	1400	1390	1510	900	1150
1100	1200	1390	1310	900	1150
1000	1300	1290	1410	900	1150
900	1400	1190	1510	800	1050
750**	850**	1040	960	700	950

315/385Kg · 2 ENTRANCES AT 90°					
Lift car		Shaft interior		Max entry clearance	Door frame width
A	B	C	D	E	F
1100	1400	1390	1545	900/900	1150/1150
1100	1200	1390	1345	900/900	1150/1150
1000	1300	1290	1445	900/900	1150/1150
900	950	1190	1095	800/800	1050/1050
800	850**	1090	995	700/700	950/950

\*\* Smaller lift car available. \*Cars with Eco-Bus doors require 25mm increased depth per entrance



All dimensions expressed in millimetres

# Our commitment as an industry leader



At IMEM LIFTS we are absolutely committed to protecting and improving the environment, and this is faithfully reflected in our socially-conscious and eco-friendly day-to-day practice. These principles form a central part of our corporate vision and values and are expressed in every aspect of our company performance.

- The ResidLift operates at minimum energy consumption and maximum efficiency levels.
- The ResidLift uses as an option no environmentally harmful lubricating oils - the hydraulic drive system is lubricated by an ecologically-sound biodegradable fluid of the HEES category as specified in the ISO 6743-4 international standard.
- We are fully compliant with the environmental management standard ISO 14001 and certified as such. We have received the 400+ EFQM Excellence Model seal of recognition, which includes a specific criterion dealing with our impact on society and envisages genuine and ongoing improvements in environmental protection and respect for society at large, of which we form an integral part.

**IMEM** offers a very wide range of lift solutions to all vertical transport needs:

## Passenger lifts

- Gearless machine-roomless lifts of up to 4000kg rated load
- Lifts with a machine room
- Hydraulic lifts.

## Goods passenger lifts

- Machine-roomless lifts of up to 4000kg rated load
- Lifts with a machine room
- Hydraulic lifts for passenger and goods use, as well as car lifts.

## Special and made-to-measure lifts

- Panoramic lifts
- Lifts for refurbishment projects, built to specified dimensions
- Inclined lifts.

**Top-quality products, continuous innovation and first-class customer service are the cornerstones of IMEM Lifts' corporate culture. Since our foundation in 1968, IMEM has developed into a recognised specialist in the design and manufacture of all types of lift**





IMEM Lifts reserves the right to change the specifications, available options and colours contained in this catalogue. The images herein displayed are merely descriptive. The colours and materials in the delivered product may not correspond precisely to those shown in this catalogue.



**EFQM**  
EFQM 400+ Excellence



**ISO 9001**  
Quality Management



**OHSAS 18001**  
Occupational Health & Safety Management



**ISO 14001**  
Environmental Management

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