



Impro.LIFT PLUS

Home lift with
automatic sliding doors

250 - 400 Kg



GLE

Global Lift Equipment

The perfect lift for your home

Whether you are a builder, a property developer or an architect looking for an efficient lift solution for family homes or commercial premises, or you're a homeowner who simply wants to install a lift which takes up the least possible space, adds comfort and sophistication to your property and notably increases its value, we are delighted to offer you what is undoubtedly the best solution available on the market.

Improlift Plus® is a stylish residential lift suitable for all kinds of different environments. It offers easy freedom of movement and a supremely convenient means of travel from floor to floor which substantially improves the quality of life of the building's users.

Improlift Plus® has been specially designed for passenger transport in family homes or commercial properties where the available space to install a lift is at a premium.

In many existing buildings where lift installation was not anticipated and which therefore do not offer the space required for a standard lift shaft, pit or headroom, the **Improlift Plus®** can be installed without the slightest problem.

And **Improlift Plus®** can be installed both indoors or outdoors.



An elegant lift within your very own home

Improlift Plus® is not simply an impressive technological achievement: it triumphantly demonstrates that a lift can also be a warm and welcoming space within your home or business.

Improlift Plus® is designed to blend in easily with any environment and to make it even more attractive than it already is. It can be installed within a traditional masonry-built lift shaft anywhere on the property or can operate within its own self-supporting modular structure which is available in a wide variety of colours and finishes including glazed panels, if required. So **Improlift Plus®** can always be relied on to add a sophisticated touch to its surroundings.

We offer an ample choice of elegant lift cars which are both comfortable and hard-wearing. They can satisfy the most demanding tastes and needs, effortlessly blending in with the design setting. Options include automatic telescopic or centre-opening doors in a range of finishes.

No major building work and no pit

The robust freestanding structure which forms the lift shaft allows the **Improlift Plus®** lift system to be installed without any major building work or pit excavation, as it requires only 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 costs generated by the installation of a conventional lift.

Of course, if you prefer, **Improlift Plus®** can also be installed within a traditional masonry shaft.

All the safety and reliability that you could expect

The passengers in the **Improlift Plus®** are protected by an optically-activated 2-D electronic system which gently stops the car doors shutting when it detects any movement or barrier to their complete closure, thereby avoiding any dangers arising from entrapment. This 2-D system covers the full effective height of the door opening.

Improlift Plus® is fitted with all the safety equipment specified in the corresponding regulations:

- Ram equipped with a rupture valve.
- Lift car safety gear.
- Safety locks on lift car doors.
- Mechanical safety stops in the pit and the overhead clearance for use when carrying out maintenance work.
- Built-in electronic motor protection in the electrical control system.
- Lift car automatically returned to bottom floor after 15 minutes out of use.

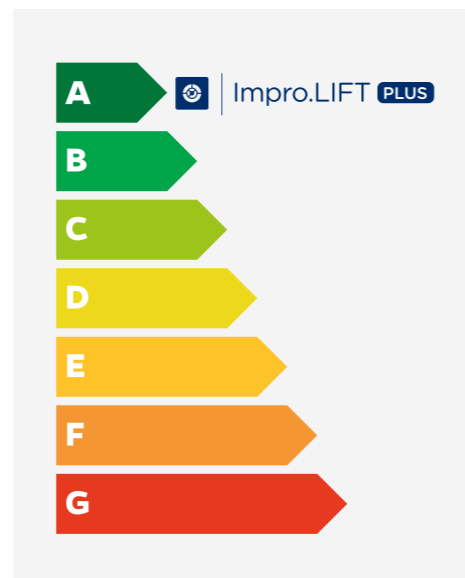
Improlift Plus® is in full compliance with the European Machine Directive 2006/42/EC.

A lift which is energy-efficient & environmentally-friendly

- **Improlift Plus®** requires less power supply than a conventional home lift.
- The system is highly energy-efficient and keeps your bills down.
- **Improlift Plus®** operates on 220 volts, just as household electrical appliances do.
- The system runs off the standard domestic single-phase alternating current.
- **Improlift Plus®** is a wonderfully quiet lift which does not acoustically contaminate your home or business.

If required, the oil used to lubricate the hydraulic drive unit can be replaced by an environmentally-friendly biodegradable lubricant which is non-contaminant.

The energy efficiency of **Improlift Plus®** is rated as Class A, the highest rating available in this field (according to VDI 4707 Part 1 and ISO 25745-2:2015).



Standard technical features

Drive unit type	Hydraulic
Operational type	Electronic variable-frequency drive which minimises the lift's energy consumption, increases ride comfort and optimises car-to-landing stop accuracy.
Rated speed	0.15 metres/second
Rated loads	250, 325 or 400kg
Entrance configurations	Single, double at 90°, double at 180° or triple
Maximum travel	From 15 to 18 to 21 metres, depending on the load rating and lift car selected. Varies according to system configuration.
Power	From 1.4 up to 4kW depending on the model selected.
Car height	2000, 2050, 2100 (standard), 2150 or 2200mm
Lift car width	From 750 to 1100mm
Lift car depth	From 785 to 1400mm
Headroom with entrance(s) at 0° or 180°	Car height + 400mm
Headroom with entrance(s) at 90°, triple or single with rear-mounted system	Car height + 500mm
Minimum pit depth	120mm (140mm with 20mm granite car floor)
Min. required shaft width	Car width + 350mm (where double entrance at 90°; for other configurations, please consult us).
Min. required shaft depth	Consult tables on Pages 28, 29 & 30
Door clearance width	From 600 to 900mm in 50mm increments (800mm for Class A or B wheelchairs).
Door clearance height	1900, 1950, 2000 (standard), 2050 or 2100mm
Hydraulic hose	10 metre maximum.

Landing and lift car doors: automatic (telescopic or centre-opening) or manual and semi-automatic, as required. Available in natural and gold stainless steel, as well as other decorative formats, glazed or painted.

Lift car model to be chosen according to customer needs: *see Pages 11-21 for detailed information.*

Car operating panel: *see Page 25 for available options.*

Acoustic alarm push-button.

Door open push-button.

Display panel: format as required: *see Page 25 for available options.*

Flooring: as per car model selected.

Mirror: as per car model selected.

Handrail: *see Page 24 for available options.*

Emergency lighting.

Lift car lighting: *see Page 24 for available options.*

2-D electronic door-safety barrier.

Overload monitor with visual & acoustic in-car alert.

Stand-by mode.

Lift car lighting switched off when out of use.

Control system

- Single - phase or 3-Phase power supply.
- Voltage and frequency inverter, with no electrical circuit protection box.
- APB control system.

Hydraulics

- Variable voltage variable frequency (VVVF) drive system.
- Passenger release using manually-operated pump for raising and lowering lift car.
- Pressure switch.
- Can be located anywhere within 10 metres of shaft.

Floor selection push-buttons on landing station.

5-metre guide rail lengths.

EC information notices.

Available extras

Hydraulics & control system cabinet

Design and dimensions vary according to lift model selected.

Flooring

The lift car floor can be finished in marble or any other material requested by the customer.

Landing doors

Landing doors with special finishes according to customer requirements, in widths of from 600 to 900mm (in 50mm increments).

Lift car doors

Car doors with special finishes according to customer requirements, in widths of from 600 to 900mm (in 50mm increments).

Electronic controls

Open to special functions on customers request.

Lift car

Cars with special dimensions and finishes not included in the catalogue can be supplied on request.

Shaft lighting

In the pit and the upper shaft area.



Guide rails

- Guide rail lengths of 2.5 metres
- Oil drip trays.

Structure

- Metal structure; internal or external, glazed or unglazed.
- Structure painted in a choice of RAL colours or finished in stainless steel.

Digital indicators

Indicators not included in the catalogue are available at customer request.

Environmentally-friendly optional extras

- Biodegradable lubricant available for the hydraulic drive unit.

Others

- Accumulation of reserve energy power by batteries to allow lift travel in case of power cut.
- Electrical circuit protection box.
- 120mm ramp, in the absence of a pit.
- 140mm ramp, in the absence of a pit and where there is a 20mm granite base.
- Assembly tools.
- Telephone integrated into car operating panel.
- Maintenance tool: inspection box.



210 Series

Our 210 series offers lift car models suitable for all kinds of building projects, with a functional design, modular construction, a fresh and modern choice of colours and top-quality materials. They are hard-wearing and built to last.

- The lift car panels are finished in plastic laminates (skinplate) with a wide range of colours available.
- Durable floor finishes in rubber, vinyl, marble or granite.
- Direct lighting using LED spots or indirect fluorescent lighting fitted above suspended ceilings in a range of designs.



310 Series

The 310 series has become a highly valued part of our range over recent years: a clean, crisp lift car design, extremely versatile, easily adaptable, reliable and hard-wearing - and updated to include an even wider range of design options. A sure bet on any site.

- The lift car panels are fitted onto a metal frame and finished in hard-wearing formica laminates available in a wide range of colours.
- Durable floor finishes in rubber, vinyl, marble or granite.
- Direct lighting using LED spots or indirect fluorescent lighting fitted above suspended ceilings in a choice of designs.



350 Series

The 350 series offers one-off lift cars, customised to each customer's taste and satisfaction and designed to complement the building's decor. In a business setting, the car can be personalised with the company logo or branding.

- The lift car walls are finished in hard-wearing formica laminates, available in a wide range of designs and colours, combined with screen-printed glazed panelling.
- Durable floor finishes in rubber, vinyl, marble or granite.
- Direct lighting using LED spots or indirect fluorescent lighting fitted above suspended ceilings in a choice of designs.

One example of a personalised lift car design.



550 Series

Our much-loved 550 series - with its updated design - offers sophisticated and luxurious lift cars, using a combination of elegant and cutting-edge materials with stainless steel available in a choice of finishes.

A modern classic for the most demanding customers, right down to the last detail.

- The lift car walls are finished in layered formica laminate modules, laid over natural stainless steel.
- Durable floor finishes in rubber, vinyl, marble or granite.
- Direct lighting using LED spots or indirect fluorescent lighting fitted above suspended ceilings in a range of designs.



710 Series

Classic refinement, never out of style. Craftsmanship and tradition. These are the sensations transmitted by the lift cars in our 710 Series. Cars finished in selected hardwoods which add quality and warmth to the most sophisticated surroundings.

- The lift car walls are finished in oak or chestnut panelling and stainless steel with a gold or natural finish.
- Durable floor finishes in rubber, vinyl, marble or granite.
- Direct lighting using LED spots.



Panoramic lift cars

Panoramic and semi-panoramic lift cars, personalised with a limitless range of finishes and detailing on request.

Photograph on previous page: semi-panoramic lift car in the 550 Series

Car wall panelling

Skinplate (210 Serie)



Formica (310, 350 & 550 Series)



Car wall panelling

Stainless steel

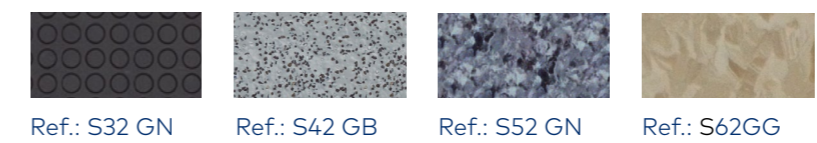


Timber (710 Series)



Flooring

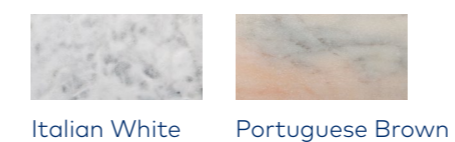
Rubber



Granite

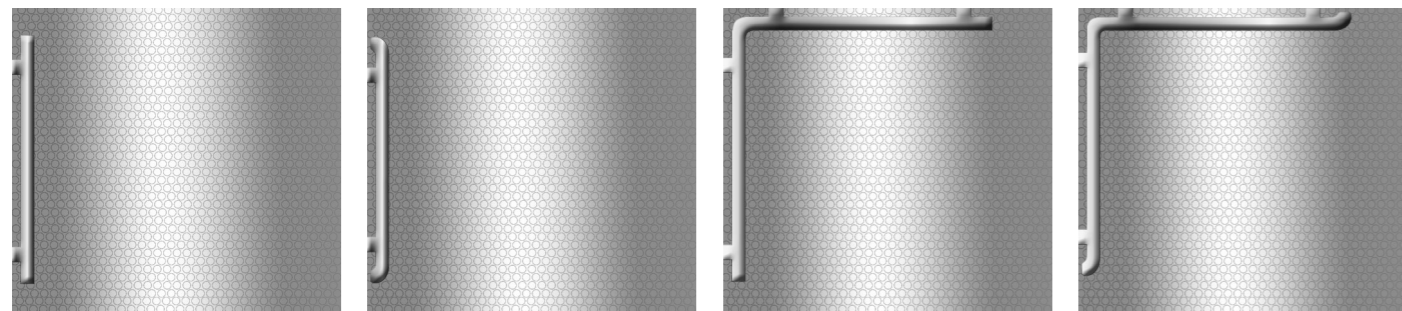


Marble



Handrails

Stainless Steel



PSI 1

PSI 2

PSI 3

PSI 4

Chestnut or oak handrail



710

Ceilings

Suspended ceilings with indirect lighting only available for lift cars with 2200mm headroom and 2000mm-high door openings.



L350

Ref. 401

L750

L760



SPOT LED

I LED

Operating panels, push-buttons & indicators

Car operating panels

310, 350, 550 & 710 Series

210 Serie



BC 300*

BCCE*

*Available as flush or surface mounted.



BCH_RL**

**Available for all car models. Surface mounted.

Car push-buttons



Keyed switches for selecting operating mode



Landing operating panels



Landing indicators (surface-mounted)

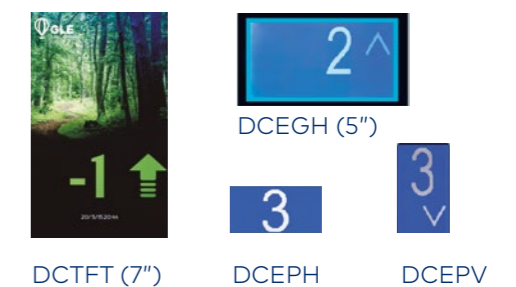


Landing indicators (flush-mounted)



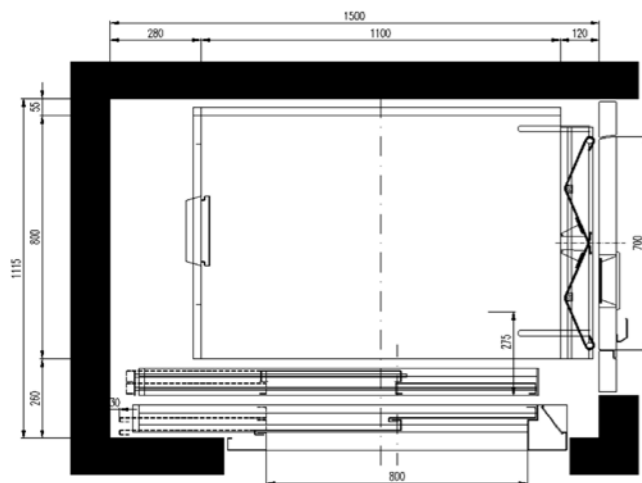
***On car front.

Displays



Non-standard dimensions? Not a problem...

Where your home or building project has limited or awkwardly-dimensioned space for the installation of a lift system, ruling out the use of the standard models presented in this catalogue, we can design a made-to-measure **Improlift Plus®** which will perfectly suit your needs. Our engineering department will carry out a detailed study and come up with attractive and effective solutions specifically tailored to the particular on-site conditions. We can manufacture lift cars to the required dimensions, provide a double entrance configuration with doors of different designs and widths and incorporate any other adaptations required to suit non-standard dimensions.



Easy access

Improlift Plus® is a lift specially designed to make lift travel easier for those with reduced mobility, such as the elderly and people with disabilities, in both existing buildings and brand-new ones.

Improlift Plus® is available in configurations which ensure easy access for Class A and Class B wheelchairs, in compliance with the European and British standards laid out in EN 12183:2014 and EN 12184:2014.



250 Kg Dimensions

250 KG · SINGLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 0° TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
750*	785*	1100*	1100*	600*
800	1250	1150	1565	600
800	1250	1250	1565	700
900	1100	1250	1415	700
1000	1000	1350	1315	700
1100	900	1450	1215	800

250 KG · SINGLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 0° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1000	1000	1350	1315	800

250 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 180° TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
750*	860*	1100*	1380*	600*
800	1250	1150	1770	600
800	1250	1250	1770	700
900	1100	1250	1620	700
1000	1000	1350	1520	700
1100	900	1450	1420	800

250 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 180° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1000	1000	1350	1520	800

250 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 90° TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
740*	885*	1300*	1200*	600*
800	1250	1400	1565	700
900	1100	1460	1415	700
1000	1000	1560	1315	700
1100	900	1660	1250	700

250 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 90° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
800	1250	1400	1565	800
1000	1000	1560	1415	800

250 KG · SINGLE ENTRANCE (REAR-MOUNTED)				
ACCESS 0° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
960*	540*	1100*	1100*	600*
1100	900	1250	1460	700
1200	800	1350	1360	800

250 KG · TRIPLE ENTRANCE (SIDE-MOUNTED)				
TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
800	1250	1400	1770	700

* Minimum car dimensions

325 Kg Dimensions

325 KG · SINGLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 0° TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
900	1400	1250	1715	700
900	1400	1400	1715	800
1000	1250	1350	1565	700
1000	1250	1400	1565	800
1100	1125	1450	1440	800

325 KG · SINGLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 0° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
900	1400	1350	1715	800
1000	1250	1350	1565	800
1100	1125	1500	1440	900

325 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 180° TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
900	1400	1250	1920	700
900	1400	1400	1920	800
1000	1250	1350	1770	700
1000	1250	1400	1770	800
1100	1125	1450	1645	800

325 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 180° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
900	1400	1350	1920	800
1000	1250	1350	1770	800
1100	1125	1500	1645	900

325 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 90° TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
900	1400	1460	1715	700
900	1400	1560	1715	800
1000	1250	1560	1590	800
1100	1125	1660	1450	800

325 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 90° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
900	1400	1460	1715	800
920	1400	1500	1715	900

325 KG · SINGLE ENTRANCE (REAR-MOUNTED)				
ACCESS 0° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1100	1100	1250	1660	700
1200	1000	1350	1560	800
1400	900	1550	1460	900

325 KG · TRIPLE ENTRANCE (SIDE-MOUNTED)				
TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
900	1400	1560	1920	800

400 Kg Dimensions

400 KG · SINGLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 0° TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1100	1400	1450	1715	800
1100	1400	1550	1715	900
1100	1200	1450	1515	800
1100	1200	1550	1515	900
1000	1300	1400	1615	800
1000	1300	1550	1615	900

400 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 90° TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1100	1400	1660	1715	800
1100	1400	1750	1715	900
1100	1250	1660	1565	800
1100	1250	1810	1565	900
1000	1300	1600	1615	800

400 KG · SINGLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 0° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1100	1400	1500	1715	900
1000	1300	1350	1615	800
1000	1300	1500	1615	900
1100	1200	1500	1515	900

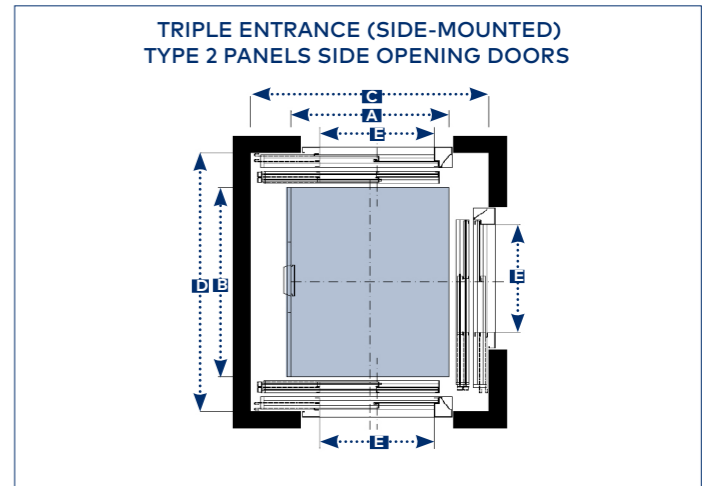
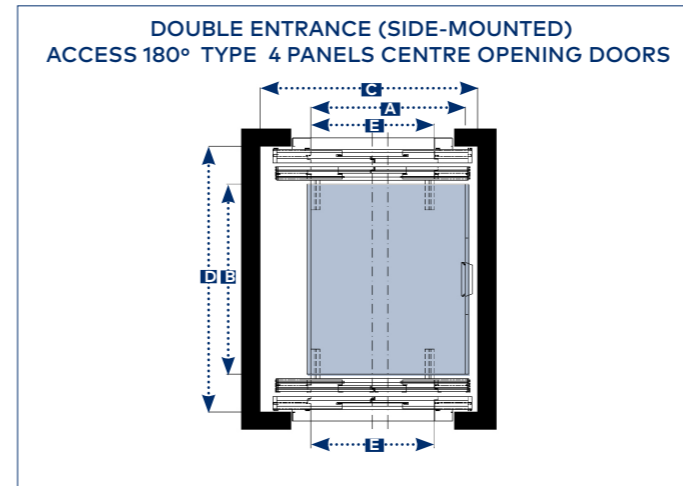
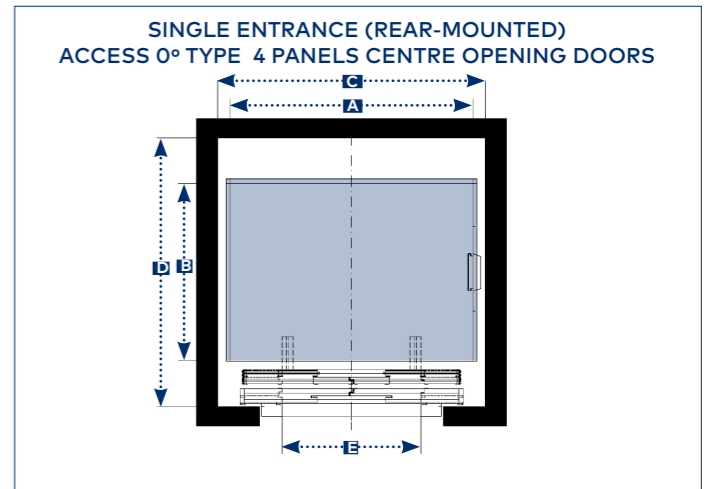
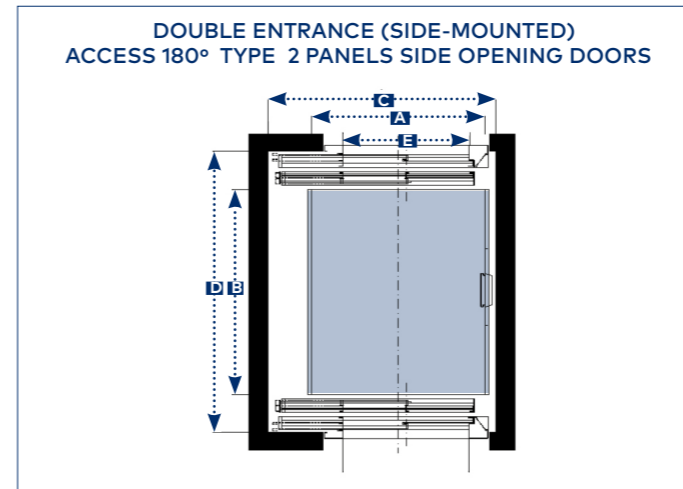
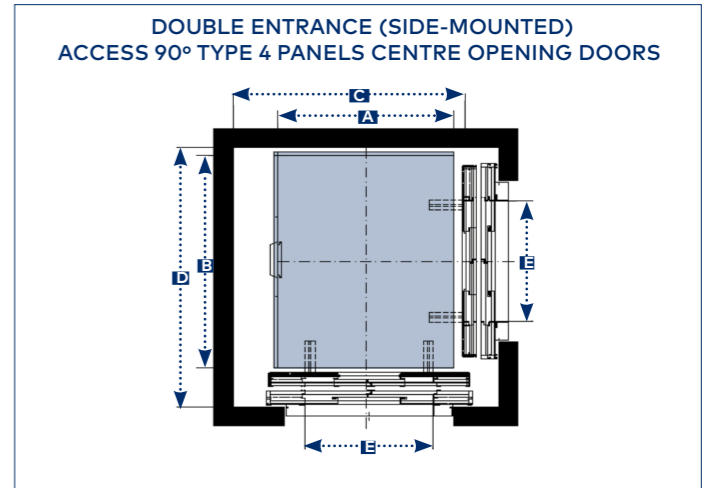
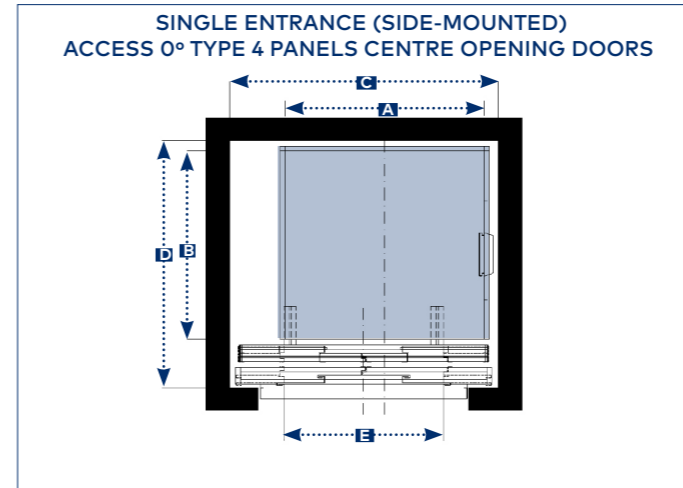
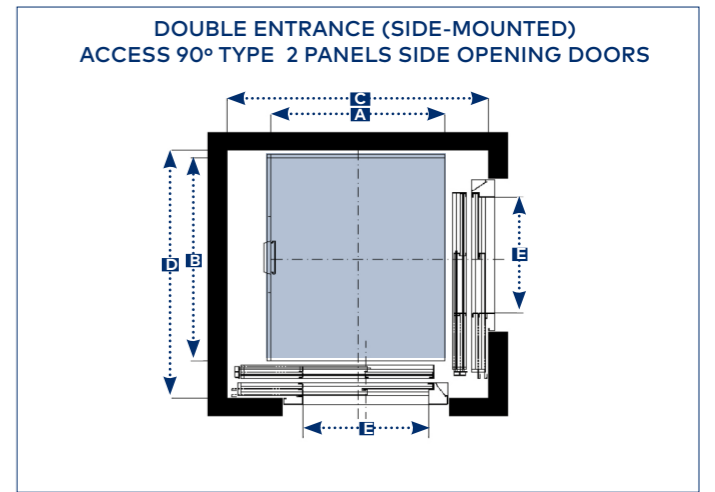
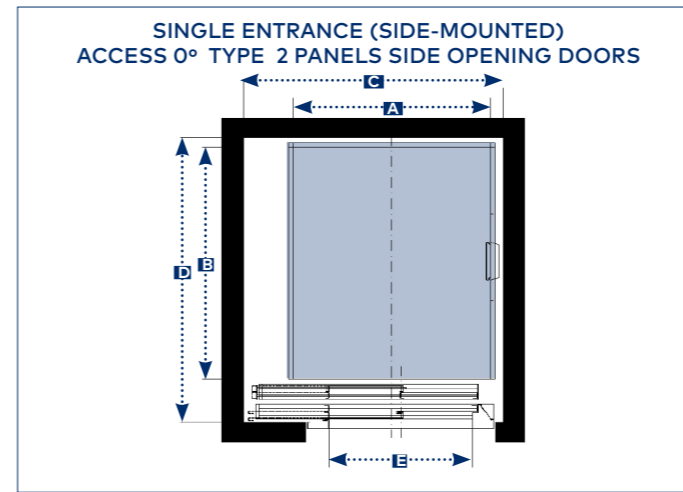
400 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 90° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1100	1400	1660	1715	900
1000	1300	1560	1615	800

400 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 180° TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1100	1400	1450	1920	800
1100	1400	1550	1920	900
1100	1200	1450	1720	800
1100	1200	1550	1720	900
1000	1300	1400	1820	800
1000	1300	1550	1820	900

400 KG · SINGLE ENTRANCE (REAR-MOUNTED)				
ACCESS 0° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1200	1100	1350	1660	800
1400	1100	1550	1660	900

400 KG · DOUBLE ENTRANCE (SIDE-MOUNTED)				
ACCESS 180° TYPE 4 PANELS CENTRE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1100	1400	1500	1920	900
1000	1300	1350	1820	800
1000	1300	1500	1820	900
1100	1200	1500	1720	900

400 KG · TRIPLE ENTRANCE (SIDE-MOUNTED)				
TYPE 2 PANELS SIDE OPENING DOORS				
Car (inside)		Shaft (inside)		Clear opening
A	B	C	D	E
1100	1400	1750	1920	900





Global Lift Equipment

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