



G · L · E
GLOBAL LIFT EQUIPMENT



IMPRO LIFT



IMPRO⁺ lift

The ideal modernisation solution for the most challenging shaft dimensions.

Our **IMPROlift®** provides a safe, reliable, bespoke answer to the most challenging project. This comprehensive range of options is tailored to suit all environments, be it for retail, education, commercial or domestic installations.

With little disruption to existing buildings and minimal builders work for new build projects, our range of alternative sizes and options offer unrivalled flexibility.





DESCRIPTION

A homelift offering unrivalled performance and optimal use of space with endless options.

MODEL

IMPRO LIFT

LOADS

150kg, 250kg, 315kg or 385kg

SPEED

0.15 or 0.3 m/s

ADVANTAGES

- Max travel: 12m
- Pit: 100mm
- Headroom: 2450mm (for a 2100mm high car)
- With or without car door
- Low energy consumption
- Can be provided with it's own self-supporting structure
- Maximises existing shaft dimensions
- Restores mobility to buildings with limited access
- No need for major building work
- Reliable and engineered to precision standards
- Fully compliant

STANDARDS

- 2006/42/CE
- PR EN81.41
- AS 1735

STANDARD TECHNICAL FEATURES

Rated loads:	250kg, 315kg or 385kg
Entrances:	Single or double at 180°
Rated speed:	0.15 metres/second
Drive:	Hydraulic - HL6000, central
Rams:	HL6000, 65 and 75mm
Maximum travel:	12 metres
Terminal landing:	2450mm (for a car of 2100mm internal height)
Pit depth:	100mm
Doors:	Various options available, with or without car door
Power:	1.5 or 2.2kW
Car height:	2100 mm
Controller:	Altamira II Controller



The IMPROlift® can be installed within a site-built shaft or with its own metal structure.

STANDARD EQUIPMENT

- Semi-automatic hinged landing doors with single vision panel and 125mm frame
- No lift door
- Two photoelectric sensors located in the frame of each lift car entrance
- Lift car finished in laminated PVC
- Landing push-buttons mounted within door frame
- Stainless steel COP
- Microprocessor-based control system
- Guide rail, 5 metres
- Light panel mounted within the lift car
- H&S notices as specified by regulations
- Single phase 220V
- 50/60HZ
- Car emergency light
- Car preference switch

AVAILABLE EXTRAS

- Automatic emergency rescue device
- Car light timer
- E-400 lift and hydraulic motor control cabinet (700x400x1500mm). Maximum distance from shaft 5m
- Semi-automatic hinged landing door with vision panel and 115mm frame
- Automatic landing door, sensor activated
- Horizontal car entrance clearances of 600, 650, 750, 800, 850 and 900mm: 800mm for types A and B wheelchairs in accordance with prEN12183 & prEN12184
- Vertical car entrance clearances of 1800, 1850, 1900 and 1950mm
- Folding car door Ecobus in stainless steel (requiring 65mm extra car depth)
- Special car heights 2000 and 2200mm
- Car entrances: Double and triple access
- 2D safety edge.
- Full-height mirror, one-third of car wall width
- 20mm marble car floor finish. Minimum pit=120mm
- Lighting options: halogen, LED or fluorescents
- Shaft lighting
- Guide rail, 2.5 metres
- Self supporting structure: internal weatherproof or panoramic options
- Restricted-use key
- LOP's on landings
- LCD position display within lift car
- LCD position display on outside door
- Portable lift inspection kit
- Electrical circuit protection for microprocessor-based control system
- Biodegradable Ecologic Fluid (without oil)
- Guide rail oil spill collector
- Power panel board
- Voice synthesizer

EXTRA EQUIPMENT TO COMPLY WITH PREN81-41

- Handrails on side wall of car
- Pressurestat
- Weight control system with acoustic and visual in-car alarm
- Ramp (gradient in accordance with prEN81-41)
- Various telephone options available
- Manually-operated emergency pump
- Hold-to-run lift control system
- Information notices specified in prEN81-41



250KG MODEL: MEASUREMENTS

250Kg • 1 ENTRANCE (MECHANISM SIDE-MOUNTED) & 2 ENTRANCES AT 180°

Lift car		Shaft interior		Max clear opening	Frame width
A	B	C	D	E	F
800*	1250*	1055	1360	700	950
900*	1100	1155	1210	800	1050
1000	1000	1255	1110	900	1150
1100	900	1355	1010	900	1150
685**	750**	940	860	600	850

*For Type A wheelchairs (prEN81-41)

**Smaller lift car available

250Kg • 1 ENTRANCE (REAR MOUNTED)

Lift car		Shaft interior		Max clear opening	Frame width
A	B	C	D	E	F
800	1250	1055	1360	900	1150
900	1100	1155	1210	900	1150
1000	1000	1255	1110	800	1050
1100	900	1355	1010	700	950
600**	770	855	880	600	850

**Smaller lift car available

250Kg • DOUBLE ENTRANCE AT 90°

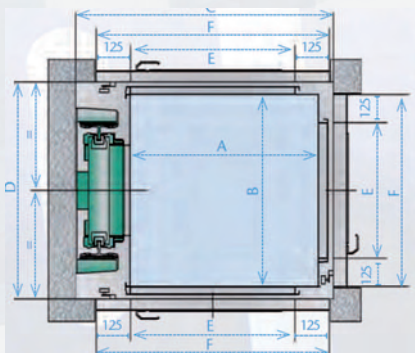
Lift car		Shaft interior		Max clear opening	Frame width
A	B	C	D	E	F
800	1250*	1055	1360	700/900	950/1150
900	1100	1155	1210	800/800	1050/1150
1000	1000	1255	1110	900/700	1150/950
1100	900	1355	1010	900/600	1150/850
685**	850**	940	960	600/600	850/850

*For Type A wheelchairs (prEN81-41)

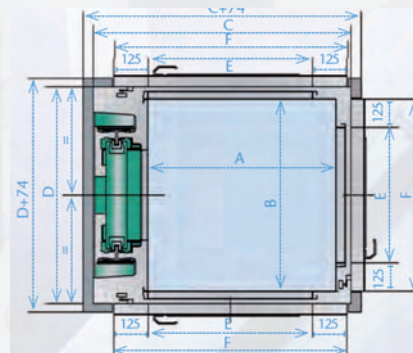
**Smaller lift car available

Single or two door operation only

SHAFT



STRUCTURE



ALL DIMENSIONS EXPRESSED IN MILLIMETRES AND PENDING DRAWING CONFIRMATION

300KG MODEL: MEASUREMENTS

315Kg • 1 ENTRANCE (MACHINERY SIDE-MOUNTED) & 2 ENTRANCES AT 180°

Lift car		Shaft interior		Max clear opening	Frame width
A	B	C	D	E	F
900*	1400*	1155	1510	800	1050
800	1400	1055	1510	700	950
1000	1250	1255	1360	900	1150
1100	1125	1355	1235	900	1150
800**	750**	1055	860	700	950

*For Type A & Type B wheelchairs, and a companion (prEN81-41)

**Smaller lift car available

315Kg • 1 ENTRANCE (REAR MOUNTED)

Lift car		Shaft interior		Max clear opening	Frame width
A	B	C	D	E	F
1100	1000	1355	1110	800	1050
900	1300	1155	1410	900	1150
1000	1250	1250	1360	900	1150
1100	1125	1355	1235	900	1150
700**	870**	955	980	700	950

**Smaller lift car available

315Kg • DOUBLE ENTRANCE AT 90°

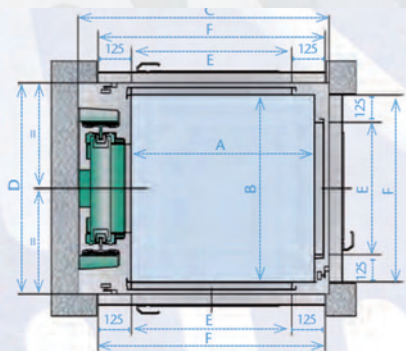
Lift car		Shaft interior		Max clear opening	Frame width
A	B	C	D	E	F
900*	1400*	1155	1510	800/900	1050/1150
800*	1400	1055	1510	700/900	950/1150
1000	1250	1255	1360	900/900	1150/1150
1100	1125	1355	1235	900/800	1150/1050
800**	950**	1055	1060	700/700	950/950

*For Type A & Type B wheelchairs, with companion (prEN81-41)

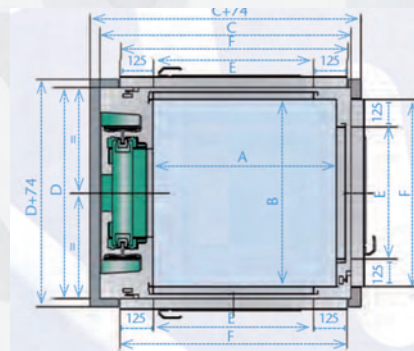
**Smaller lift car available

Single or two door operation only

SHAFT



STRUCTURE



ALL DIMENSIONS EXPRESSED IN MILLIMETRES AND PENDING DRAWING CONFIRMATION



385KG MODEL: MEASUREMENTS

385Kg • 1 ENTRANCE (MACHINERY SIDE-MOUNTED) & 2 ENTRANCES AT 180°

Lift car		Shaft interior		Max clear opening	Frame width
A	B	C	D	E	F
1100*	1400*	1355	1510	900	1150
1100	1200	1355	1310	900	1150
1000	1300	1255	1410	900	1150
900	1400	1155	1510	800	1050
900**	1100**	1155	1210	800	1050

*For Type A & Type B wheelchairs, and a companion (prEN81-41)

**Smaller lift car available

385Kg • 1 ENTRANCE (REAR MOUNTED)

Lift car		Shaft interior		Max clear opening	Frame width
A	B	C	D	E	F
1100	1400	1355	1510	900	1150
1100	1200	1355	1310	900	1150
1000	1300	1255	1410	900	1150
900	1400	1155	1510	800	1050
900**	970**	1155	1210	800	1050

**Smaller lift car available

385Kg • DOUBLE ENTRANCE AT 90°

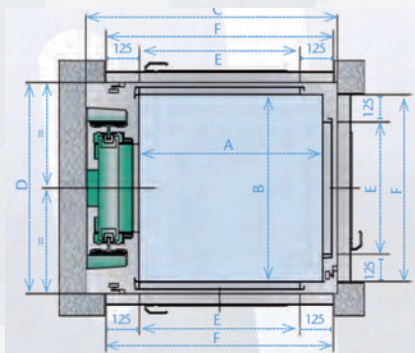
Lift car		Shaft interior		Max clear opening	Frame width
A	B	C	D	E	F
1100*	1400*	1355	1510	900/900	1150/1150
1100*	1200	1355	1310	900/900	1150/1150
1000	1300	1255	1410	900/900	1150/1150
1100	1125	1355	1235	900/800	1150/1050
900**	1000**	1155	1210	800/800	1050/1050

*For Type A & Type B wheelchairs, with companion (prEN81-41)

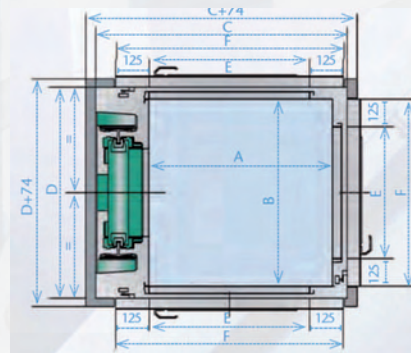
**Smaller lift car available

Single or two door operation only

SHAFT



STRUCTURE

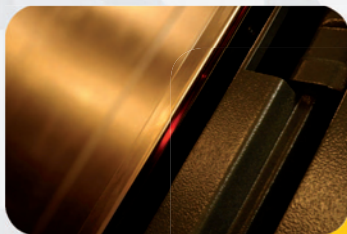


ALL DIMENSIONS EXPRESSED IN MILLIMETRES

SPECIFICATION

BESPOKE DESIGN SERVICE:

This is a **fully customisable product** that can be used to replace redundant chain drives in existing shafts. All dimensions are studied by our drawing office to provide a lift that fits into the smallest of shafts.



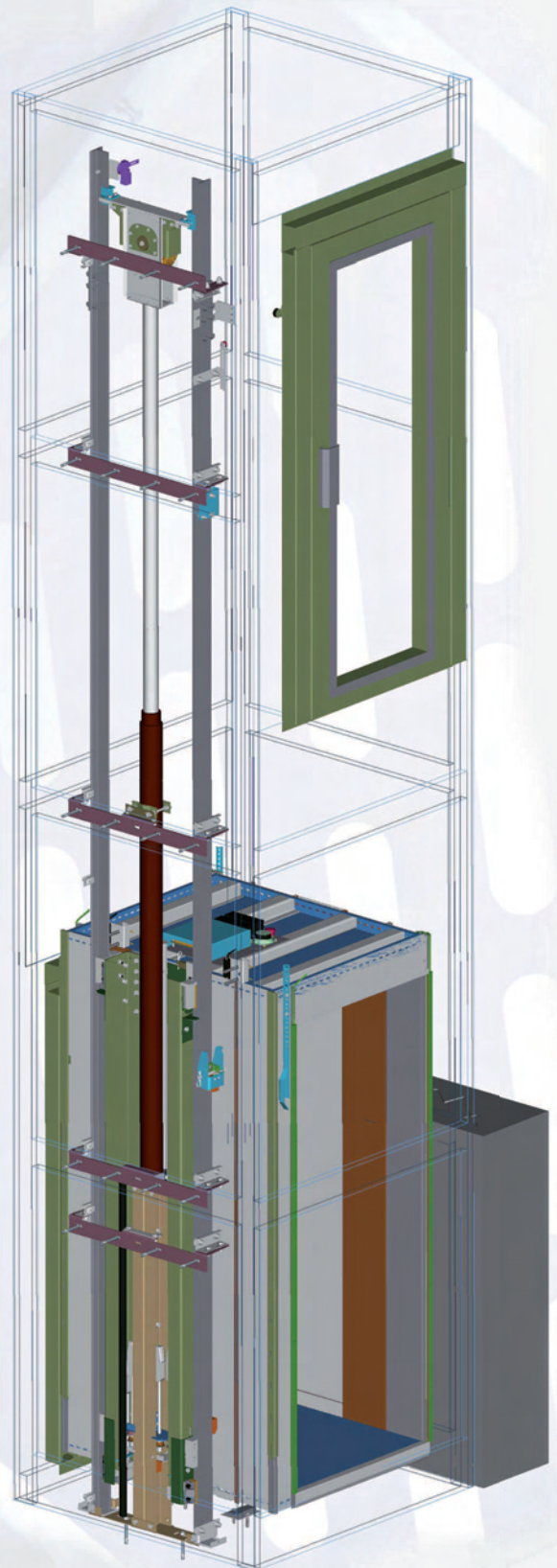
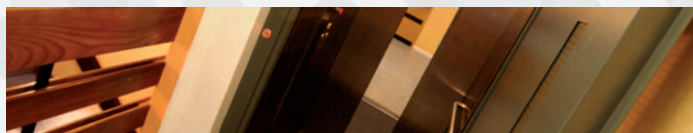
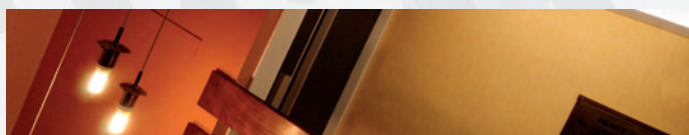
SAFETY FEATURES:

At GLE health & safety is our primary concern. This lift has been designed to conform with all relevant norms and features

various mechanical & electrical safety features.

CAR OPERATING PANEL:

Designed to provide an aesthetically pleasant finish to the bespoke lift car finishes offered. **A diverse range of features is available** including engraving, LCD displays and numerous push buttons models.





LIFT CAR FINISHES



Scenic



RL Stainless Steel



RL300



RL200

Skinplates



Ref: 290M

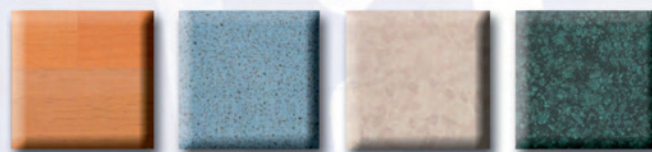
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Laminates



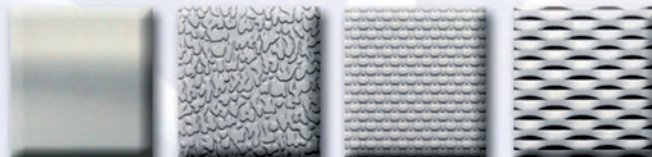
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Ref: 2303

Stainless steel



Ref: Inox 304

Ref: Elephant Skin

Ref: Linen Finish

Ref: 5WL

Floors



Ref: S32 GN

Ref: S62 GN

Ref: S62 GG

DOOR OPTIONS



Full glazed landing door

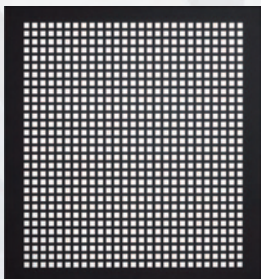


Automatic bus-type lift car door

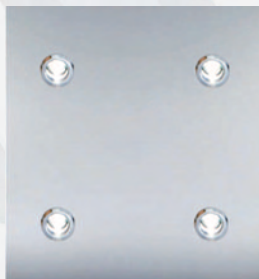


Hinged landing door with single vision panel

CEILING



Model GLE 01 suspended ceiling panel, sheel metal, fluorescent-lit from above



Ceiling with halogen spots or LEDs

LIGHTING



Light panel



Halogen spot



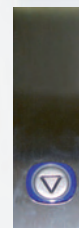
LED spot

DISPLAY



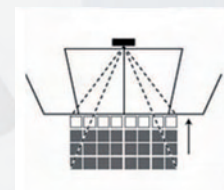
AUTOMATIC DOOR OPTIONS

Option 1:



Press the landing push button and the door will open automatically

Option 2:



Approach the door and it will open