

CLASSIC

LIFTS

Ecoefficient Lifts
with Gearless technology



ECOEFFICIENT
GEARLESS LIFTS



FOREWORD



A WORD FROM OUR CEO

I have owned and managed lift companies since 1986 and still look forward to the challenges modern business presents each day. In the words of Warren Buffett “I like working with nice people who are talented and committed”, I am fortunate enough to enjoy this at Classic Lifts.

Classic Lifts has been providing professional lift installations, service and modernisations since 1990 and continues to do this from locations in Liverpool, Sheffield, London, Leicester and Stanley in the North East. Classic is an independent owner managed company which allows us the freedom to partner with both our customers and suppliers. As a partner it is our objective to provide cost effective solutions for our clients and have an understanding of the needs of our customers’ business. We value long term relationships with both clients and suppliers.

Our customer base ranges from very small single unit clients to large national customers and includes well known retail chains, international hotel chains, universities, schools, residential developments and nursing homes.

What makes us different is our people. Our people build relationships with customers at all levels and this is what defines Classic Lifts.

We are an attractive responsible employer that offers its employees training and personal development, this leads to career opportunities and a working environment conducive to high levels of performance. As a result we are able to attract high calibre people with the right attitude. Attitude forms a vital part of our recruitment strategy resulting in every member of our team being customer focussed.

All managers in Classic Lifts, including myself, are available to customers at all times and we invite you to contact us if you require our input.

Keith Snow

TOP LEVEL ENERGY EFFICIENCY

CLASSIC GEARLESS LIFTS ECOEFFICIENCY AND MAXIMUM USE OF SHAFT

The highest Gearless technology

Safety, efficiency and quality... these are the features that guarantee our lifts.

Nevertheless, at CLASSIC we aim to go one step further with our new CLASSIC Gearless lifts range, a new concept in elevation, where ecoefficiency and the maximum use of shaft go hand-in-hand with the latest and most advanced Gearless technology.

The new CLASSIC Gearless lifts range offers highly efficient lifts with a capacity ranging from 2 to 86 passengers (from 180 kg to 6500 kg) for use in any type of building: residential buildings, hospitals, public buildings, buildings with a high traffic volume. Our team of engineers is available to offer advice in each case, and recommend the most efficient Gearless solution.

The entire range has certain common advanced features, taking it one step beyond other traditional lifts:

- A) Ecoefficiency and ecodesign
- B) Maximum use of space and shaft
- C) Safety in the shaft
- E) New levels of accessibility and comfort



With our new CLASSIC Gearless lifts range, you do not need to give up anything: comfort, use of shaft and ecoefficiency.

ECOEFFICIENCY AND ECODESIGN

EFFECTIVE ELEVATION WHICH LOOKS AFTER THE ENVIRONMENT

...and your pocket too

For us, being a leader in the sector involves commitment at many levels. Not only do we offer comfortable, accessible and safe lifts but they are also highly ecoefficient.

The ecodesign concept applied to our new CLASSIC Gearless lifts range permits the minimisation of contaminating waste emissions and reduces consumption during the product's useful life, thereby reducing costs for the user.

Our new CLASSIC Gearless lifts range is designed to save energy and have a minimum environmental impact.

Each of our components is designed to achieve greater energy savings, taking the levels of ecoefficiency even higher.

- **maGO Gearless Machinery.** A Gearless machine with permanent magnet synchronous motor is the essence of our CLASSIC Gearless lifts. High performance combined with electrical technology and DSP frequency Variator permit substantial savings in comparison to conventional machines.

- Adopting careful design, quality manufacturing combined with weight reduction, results in less energy consumption and lower nominal power requirements for the lifts.

- Efficient car lighting, using LEDs resulting in a 50% reduction in consumption.

- Intelligent control of car lighting. Efficient LED-based lighting permits the instant switching on and off of lighting, not possible with traditional lighting using fluorescent bulbs. Intelligent control of the LED lighting enables significant reductions in electricity consumption, as the lighting is only used when in service, and remains off while the lift is in stand-by mode.

- Stand-by mode. While the lift is in stand-by mode (night-time) the equipment which consumes energy, but which is not in use at this time, is disconnected to prevent unnecessary electricity consumption.

Environmental commitment is part of our vision of the lift industry. And now it has become a fundamental concern of the CLASSIC name.





The maGO Gearless machinery with permanent magnet synchronous motor is the essence of our Gearless lifts and permits, together with its electrical technology, substantial savings in comparison to conventional machines.

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- CLASSIC Regenerative System: An intelligent system which generates electricity when the car is descending and loaded or going up and empty. The energy generated in either of these situations is captured and fed into the lift supply to be used by the lift or other equipment connected to the same network. Maximum efficient use of energy.

- Single phase low consumption solutions permitting adaptation to existing single phase 220 V electricity installations in the building.

The result is a range of ecoefficient lifts, whose reduction of the environmental impact has been analysed using Life Cycle Analysis (LCA) according to various criteria:

- The raw materials used in manufacture.
- The energy consumption during use.
- The waste generated and recycled at the end of its useful life.





BENEFITS AND COMFORT, HOWEVER YOU LOOK AT IT

The innovative characteristics of the CLASSIC Gearless lifts range signify a new life for you and your building. One step forwards towards quality of life.



ECOEFFICIENCY

- 1 Reduction in consumption
- 2 Efficient lighting
- 3 Single phase 220 V solutions
- 4 Regenerative system
- 5 Stand by



INCREASED SAFETY

- 10 Automatic passenger rescue
- 11 Safety in reduced spaces
- 12 Detection of access to shaft
- 13 Alarms and communication from car
- 14 Access to space below lift



GREATER FLEXIBILITY

- 6 Optimisation of use of shaft
- 7 Optimisation of car surface area
- 8 Personalised car capacities
- 9 Option of reduced pit and overhead overhead clearance



COMFORT AND ACCESSIBILITY

- 15 Accessibility
- 16 Stopping accuracy
- 17 Silent operation for the occupant and neighbours
- 18 High level of comfort in car

OPTIMISED USE OF SPACE

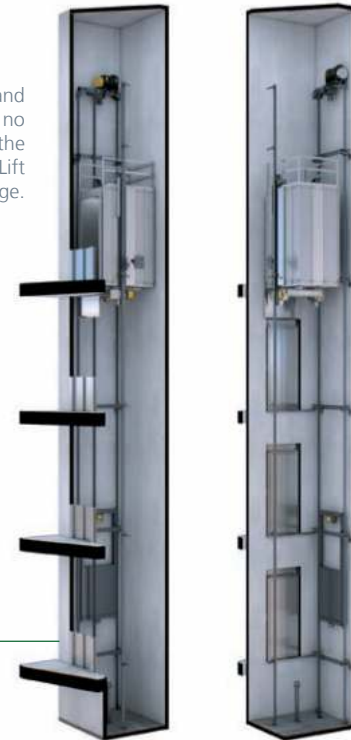
MAXIMUM USE OF SHAFT

Benefits for everyone

Optimising the use of space is a fundamental concept in the proposal for the new CLASSIC range. The spatial adaptability of the CLASSIC Gearless lift range guarantees the best use of the shaft, even in very small or irregular areas. Its characteristics make it ideal for narrow shafts, and very reduced pits and overhead clearance. The benefits are clear:

- More spacious cars making the best use of the shaft and offering greater comfort to the passenger.
- More space available in the building, thanks to the good use of the shaft space and the elimination of the machine room.
- **XL Car:** For those who always want a little more, the XL Car, valid for the CLASSIC Gearless Lifts, is possible thanks to a change in the configuration of the CLASSIC Gearless lift, without affecting maintenance work. What's more, the CLASSIC Gearless Adapt XL offers the ideal solution for the complete replacement of existing hydraulic lifts while maintaining the car size.

Minimum shafts and overhead clearances are no longer a problem with the new CLASSIC Gearless Lift range.



The door position can be adjusted to allow the user to have the XL Car.

ECOEFFICIENT
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Maximum adaptability to shaft
sizes. Optimum use of space.



SAFETY IN THE SHAFT

ABSOLUTE PEACE OF MIND FOR USERS...

... and lift technicians



Energy consumption, comfort and flexibility are undoubtedly important, but would all be meaningless without the most basic concept on which the lift is based: safety. Our department of specialised engineering has equipped the CLASSIC Gearless Lift with every type of mechanism to guarantee the safety of both the passenger and maintenance personnel.

- **For users:**

The Automatic Passenger Rescue device ensures that the passenger is able to reach the nearest floor and leave the lift even if there has been a power failure.

- Alarm and communication system from the car: offering two-way communication in accordance with European standard EN-81-28.

- Access to the space below the lift: additional safety lock.

- **For lift technicians:**

All of the components are designed to make the installation and maintenance technician's work safer and more efficient. The lifts in this new range permit:

- A reduction in the on-site assembly time.
- An increase in operator safety.
- Easier maintenance operations, both preventive or corrective, thanks to easily replaceable parts and configurations that make the parts to be maintained more accessible.
- Option to recycle lift at end of complete life cycle.

The safety system in reduced spaces also guarantees the highest levels of safety for maintenance personnel, in accordance with European standard EN81-21 on "new lifts in existing buildings".

Maximum safety for everyone.

ACCESSIBILITY AND COMFORT

COMFORT INSIDE

Silence outside

Our CLASSIC Gearless Lift range has been designed to increase user comfort. This is why, optionally, it is possible to increase the lift's features with respect to accessibility, in order to comply with European standard EN81-21. Because comfort is not just for a privileged minority.

The heart of the range is based on the latest technology in the lift industry: Gearless technology. Thanks to our exclusive high performance maGO Gearless Machinery, the feeling of acceleration and sharp movements when arriving and leaving from a floor have been eliminated.

Stopping precision is excellent (± 3 mm), thanks to the VF closed loop movement control.

However, we view comfort from a wider point of view, which not only affects the passengers but also the other residents in the building. Everything in the lift has been designed to minimise noise generation.

The walls, material and maGO machinery itself mounted on buffers



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reduce vibration transmission, and consequently noise levels for the other residents are reduced.

The result is an extremely smooth and quiet lift. Comfort inside and outside the car.



Thanks to advanced technology, the lift does not make any excessively loud noises and therefore does not disturb other residents in the building.



CLASSIC

GEARLESS LIFTS

TOP OF THE RANGE FEATURES

From 4 to 21 passengers. From 320 kg to 1600kg.

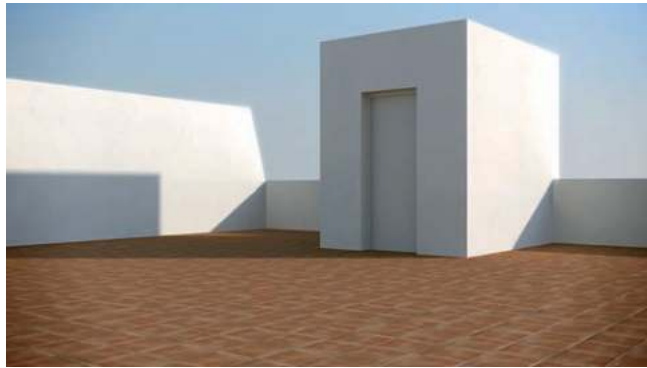
Innovative, versatile and highly ecoefficient.

Designed to provide elevation solutions to residential buildings, hospitals, offices and public buildings, the 4 to 21 passenger gearless is a lift with the highest level of energy efficiency. It is CERTIFIED at LEVEL A in the VDI energy classification.

A lift that does not require a machine room, with top level Gearless technology, and a level of ecoefficiency quite simply unbeatable.



With machine room ◀



▶ Machine roomless



Thanks to the versatility and adaptability of the CLASSIC Gearless Lift, the options for optimising the use of space are increased in the building.

- Energy efficient-based design

The ecodesign used for the lift permits huge savings in energy. This guarantees minimum environmental impact, and much lower costs for the lift user. Less contamination and lower levels of expenditure.

- Maximum use of space

Its efficiency and optimal use of shaft space are proven beyond doubt. The innovative design permits more spacious cars which make better use of the shaft. The car is now more comfortable and the building also has more useable space, of advantage to both architects and end users.

- Versatility and adaptability in all types of building

Its design and technology are truly versatile. Therefore, it can easily be adapted to existing buildings.

CLASSIC, always a leader in adapting its products to market requirements, has adapted the CLASSIC Gearless Lift to the needs of any building or user.

Whether the building is without a lift (refurbishment) or whether it already has a lift which requires updating (modernisation), our customers will find an efficient tailor-made solution in the CLASSIC Gearless Lift.

For refurbishments, it adapts to the most stringent European levels of safety in reduced spaces (EN81-21) and offers the option of reduced size pits and overhead clearance.

If on the other hand is used as a solution in the modernisation of buildings which already have a lift, it offers the solution with a machine roomless and the option to convert to single phase 220V power supply.

An efficient solution for any existing building.





THE SOLUTION ESPECIALLY FOR HEAVY TRAFFIC

From 26 to 86 passengers. From 2000 kg to 6500 kg.

The CLASSIC Gearless Lift (26 to 86 pssgrs) is the ideal answer for public buildings and heavy passenger traffic that require the largest possible car surface area.

Is the elevation solution with advanced Gearless technology for buildings in which the high numbers of passengers make it necessary to have spacious, robust lifts adapted to the new ecoefficient requirements.

Thanks to its load capacity and spacious car, it is the perfect lift in a multitude of situations requiring robustness and power, both in the transport of passengers and of goods. We also apply our CLASSIC Gearless Lift technology to already existent product ranges in order to obtain even better results:

- Goods lifts.
- Hospital lift.

We offer the most efficient solution in each case, considering the characteristics of the final use of the lift, even adapting to machine room and machine roomless structures.





MAXIMUM SPEED. MINIMUM WAITING TIMES

From 8 to 33 people. From 630 kg to 2500 kg.

A top-level solution for tall buildings. CLASSIC's answer for buildings requiring higher speeds than normal.

It is designed to provide a solution for tall buildings and high traffic in which the lift travel time and the passenger waiting time need to be reduced. The speed, therefore, reaches 2.5 m/s, compared to the standard speed of 1 m/s.

This range is also flexible and offers machine room and machine roomless solutions for very tall buildings.

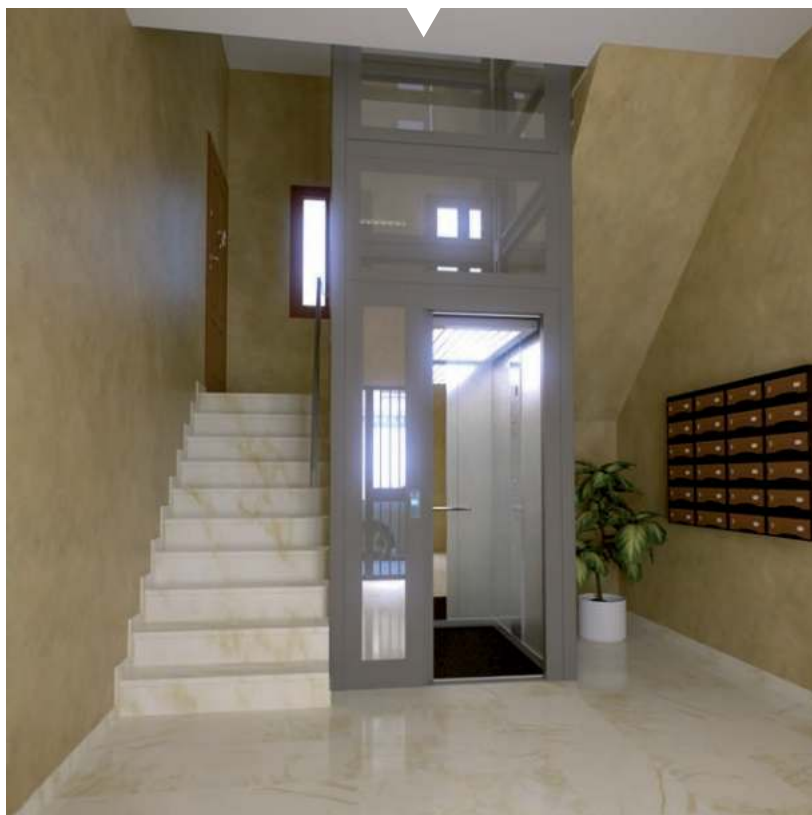


CLASSIC

GEARLESS ADAPT

PERFECT FOR BUILDINGS WITHOUT A LIFT

From 2 to 13 people. From 180 kg to 1000 kg.



Gearless technology that adapts to very small spaces and difficult shafts. High performance, respecting the existing building, flexible and versatile.

This is the CLASSIC Gearless Adapt. An innovative lift with Gearless technology, for buildings without lifts and very small pits and overhead clearance. It also adapts to modular, self-supporting structures. The CAR XL structure is ideal when completely replacing hydraulic lifts, while offering the same car dimensions.



THE IDEAL SOLUTION TO MODERNIZE OR REPLACE YOUR OLD LIFT

From 4 to 15 people. From 320 to 1125 kg.

It is a lift with gearless technology with machine room designed for the improvement of energy efficiency for existing lifts as well as new installations with a machine room.

It is a modernization solution for buildings that have a lift, it offers the possibility to adapt to a 220V single-phase power supply.



AND IF LOOKS ARE IMPORTANT TOO?

AESTHETIC COMPONENTS

Features that don't go unnoticed.

We consider aesthetics to be an integral part of our product philosophy. That is why we offer our customer a wide range of options among which you can choose the one that fully meets your taste and budget.





CARS

Lifts provided with the exclusive wide range of CLASSIC cars. Adapted to the most recent regulation in terms of accessibility. With two car lines:

- PRIMA: cars designed for residential buildings.
- PREMIERE: cars designed for public and office buildings.

To better suit your needs, we provide three product lines based on three manufacturing concepts:

- D-** Attractive colours applied directly onto structural steel walls.
- C-** Compact, sturdy walls with a wide variety of finishes that can be combined to fit classic and modern atmospheres.
- V-** A view while in motion, cars with safety glass wall.

LANDING DOORS



Telescopic opening

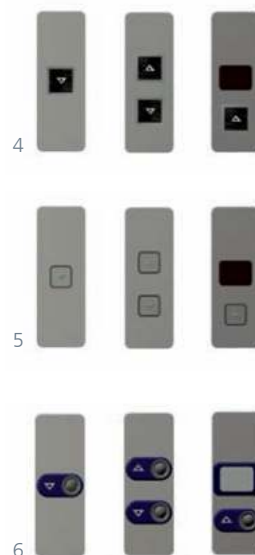


Central opening

- Composed of 2 panels with telescopic opening (central opening optional).
- Finishes in epoxy RAL 7044 (standard) or stainless steel (optional).
- Numerous clear entrances.



1. Compac full-height control station
2. Roller full-height control station
3. Fusion control station
4. Impulse control station
5. Compac control station
6. Roller control station



OPERATING PANEL

The car control station, with finishes in stainless or plasticized steel, is fully compatible with the rest of the decoration. Three lines of operating panels, with a number of finishes and colours, lend a distinguished quality to each option.

- **FUSION Series.** Hinged operating panel with easy access for maintenance work.:

- **COLOR:** Background colours.
- **SUPRA:** Stainless steel.
- **JL:** Photographs, which you can choose from our selection or use your own

- **COMPAC Series.** Anti-vandalism pushbuttons in stainless steel with red or blue record light and three types of finishes:

- **(TB) BRAILLE:** Identification whether embossed or in Braille.
- **(TG) ENGRAVED:** Identification engraved.
- **(TI) INJECTED:** Colour contrast between the identification, whether embossed or in Braille, and the background.

- **ROLLER Series.** Modern and functional. Identification, whether embossed or in Braille, in white, on protective edge in black or blue. Record lights red or blue.

- **SATURNO:** Mobile steel element and crown shape record light.
- **MARTE:** Bold design of the mobile element and semispheric record light.





LANDING OPERATING PANEL

Generally mounted on a stainless steel plate, with one pushbutton or two, for the selective control unit in ascent and descent.

Optional digital position indicator on the operating panel itself. Double car groups usually share the operating panel; located on the wall between the two landing doors.

CAR OPERATING PANEL

The full car height (column) includes landing push buttons, digital position indicator, emergency luminaire, control pushbuttons (alarm, door opening), overload indicator, hands-free emergency telephone and an engraved loading plate.

The direction arrows (FLJ) on the car jambs indicate the direction of its next travel, before the user enter the car.



Gearless Lift

From 320 kg (4 passengers) to 1600 kg (21)
Machine roomless



SERIES	Machine roomless								
Capacity (persons)	4	5	6	6	8	8	10	10	13
Speed (m/s)	1	1	1	1,6	1	1,6	1	1,6	1
Starts per hour	180	180	180	180	180	180	180	180	180
Power (HP / kW)	04-mar	04-mar	5,4 / 4	10,8 / 8	6,75 / 5	10,8 / 8	8,1 / 6	17,3 / 12,8	9,5 / 7
Current rating (A)	9,1	9,6	11,2	22,8	14,1	22,8	17,3	34,9	17,6
Q payload capacity (kg)	320	375	450 / 480	450 / 480	630	630	750 / 800	750 / 800	1000
PL Clear entrance (mm)	700	700	800	800	900	900	900	900	900
AC Car exterior width (mm)	800	950	1000	1000	1100	1100	1200	1200	1100
FC Car exterior depth (mm)	1100	1050	1250	1250	1400	1400	1500	1500	2100
HC Car useful height (mm)	2100	2100	2100	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1350	1450	1500	1500	1600	1600	1700	1750	1600
FH shaft depth (mm)	1350	1350	1500	1600	1650	1650	1750	1750	2350
F Pit (mm)	1025	1025	1025	1155	1025	1155	1025	1300	1025
OH Headroom (mm)	4400	4400	3400	3600	3400	3600	3400	3650	3400
No. of ropes and diameter (mm)	4 x 6,5	5 x 6,5	5 x 6,5	5 x 6,5	6 x 6,5	6 x 6,5	7 x 6,5	7 x 6,5	8 x 6,5
Distance between brackets (mm)	1500 / 3000	1500 / 3000	1500 / 3000	3000	1500 / 3000	3000	1500 / 3000	3000	1500 / 3000
Car guide rail (sections of 5 m)	70 / 65 / 9	70 / 65 / 9	70 / 65 / 9	90 / 75 / 16	70 / 65 / 9	90 / 75 / 16	70 / 70 / 9	90 / 75 / 16	70 / 70 / 9
Counterweight guide rail (sections of 5 m)	50 / 50 / 5	50 / 50 / 5	50 / 50 / 5	70 / 70 / 9	50 / 50 / 5	70 / 70 / 9	65 / 54 / 8	70 / 70 / 9	70 / 70 / 9
Suspension	2:1	2:01	2:1	2:1	2:1	2:1	2:1	2:1	2:1
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	ACIN3 2010	ACIN3 2010	ACIN3 2010	ACIN3 2010	ACIN3 2010	ACIN3 2010	ACIN3 2010	ACIN3 1000	ACIN3 2010

- Fixings every 1500 mm: V=1,0 m/s. Optional: fixing brackets every 3000 mm.
- Fixings every 3000 mm: V=1,6 m/s.
- Start-up current = 1.8 * Rated current.
- Height of doors 2000 mm.
- The number of ropes depends on the total weight of the lift.

PRODUCT OPTIONS:

- Reduced overhead of up to 2900 mm. In overheads less than 3400 through to 2900 mm, the level of safety required in EN 81-21 For 4 passengers, consult about feasibility.
- Reduced pit of up to 695 mm. In pits less than 1050 through to 695 mm, the level of safety required in EN 81-21. For 4 passengers, consult about feasibility.
- Adaptable to singl-phase mains up to 6 passengers and Rated speed 0.5 m/s.
- Safety gear on counterweight for all madels. From 4 to 6 passengers, consult about feasibility.
- All models can be adapted to modular structures. Consult about feasibility.
- Optional: V=2,5 m/s. Please ask us for more information.

NOTE: The values included in this table correspond to pre-established conditions and may be modified, according to the specific characteristics of each installation.



Machine roomless						
13	15	15	17	17	21	21
1,6	1	1,6	1	1,6	1	1,6
180	180	180	180	180	180	180
17,3 / 12,8	10,8 / 8	17,3 / 12,8	10,2 / 7,6	17,7 / 13,1	19 / 14,2	27,7 / 20,6
34,9	21,3	31	29,7	33	42	53,5
1000	1125	1125	1275	1275	1600	1600
900	1000	1000	1000	1000	1100	1100
1100	1200	1200	1200	1200	1400	1400
2100	2150	2150	2300	2300	2400	2400
2100	2100	2100	2100	2100	2100	2100
1650	1700	1750	1800	1800	2000	2000
2350	2400	2400	2700	2700	2750	2750
1400	1025	1400	1200	1400	1200	1400
3650	3400	3650	3400	3650	3400	3650
8 x 6,5	9 x 6,5	9 x 6,5	9 x 6,5	9 x 6,5	9 x 8	9 x 8
3000	1500 / 3000	3000	1500 / 3000	3000	1500 / 3000	3000
90 / 75 / 16	89 / 62 / 16	90 / 75 / 16	120 / 76 / 9	120 / 76 / 9	90 / 75 / 16	125 / 82 / 16
70 / 70 / 9	70 / 70 / 9	70 / 70 / 9	70 / 70 / 9	70 / 70 / 9	65 / 54 / 8	70 / 70 / 9
2:1	2:01	2:01	2:01	2:01	2:01	2:01
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
AC2050-18	ACIN3 2010	AC2050-18	AC2050-18	AC2050-18	AC2050-18	AC2050-18

LEGEND

- AH

Shaft width
- FH

Shaft depth
- AC

Car width
- HC

Clear car height
- FC

Car depth
- OH

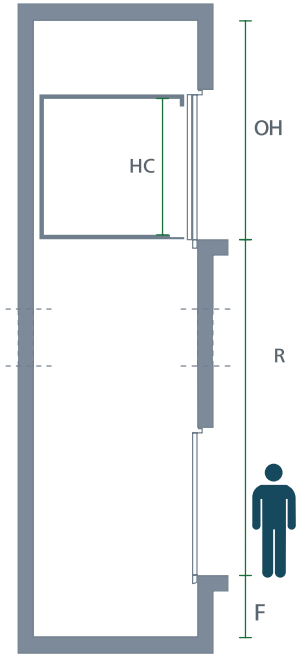
Overhead clearance
- F

Pit
- PL

Clearance
- R

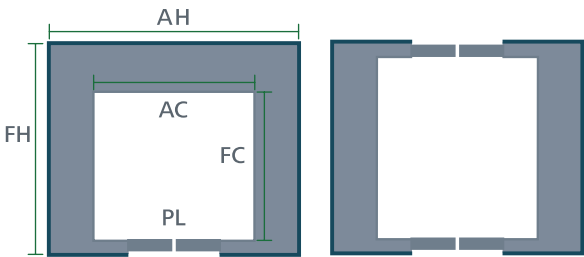
Travel

DIAGRAM



STANDARD ENTRANCE

DOUBLE ENTRANCE 180°



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Gearless Lift

Large capacity from
2000 kg (26 passengers) to 6500 kg (86)
With machine room and machine roomless



SERIES	With machine room and machine roomless						
Capacity (persons)	26	26	33	33	40	46	53
Speed (m/s)	1	1,6	1	1,6	1	1	1
Starts per hour	180	180	180	180	180	180	180
Power (HP/kW)	21,8 / 16,2	35,4 / 26,3	21,8 / 16,2	40,8 / 30,3	43,5 / 32,3	43,5 / 32,3	43,5 / 32,3
Rated current (A)	43	68	43	80	80	80	80
Q capacity (kg)	2000	2000	2500	2500	3000	3500	4000
PL clear opening (mm) (1)	(C4) 1400	(C4) 1400	(C4) 1400	(C4) 1400	(C4) 1400	(C4) 1800	(C4) 1800
AC car width (mm)	2000	2000	2000	2000	1850	2000	2100
FC car depth (mm)	2100	2100	2500	2500	3000	3200	3400
HC useful car height (mm)	2100	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	2950	2950	2950	2950	3150	3300	3400
FH shaft depth (mm)	2400	2400	2800	2800	3300	3500	3700
PL clear opening (mm) (1)	(T2) 1300	(T2) 1300	(T2) 1300	(T2) 1300	(C4) 1400	(C4) 1800	(C4) 1800
AC car width (mm)	1500	1500	1800	1800	2100	2350	2450
FC car depth (mm)	2700	2700	2700	2700	2700	2700	2900
HC useful car height (mm)	2100	2100	2100	2100	2180	2180	2180
AH shaft width (mm)	2450	2450	2750	2750	3250	3600	3700
FH shaft depth (mm)	3000	3000	3000	3000	3000	3000	3200
F pit (mm)	1400	1600	1400	1600	1600	1600	1600
OH headroom (mm)	3900	4050	3900	4050	4100	4100	4100
No. ropes x diameter (mm)	8 x 10	8 x 10	10 x 10	10 x 10	6 x 10	7 x 10	8 x 10
Distance between guide rails (mm)	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200
Distance between brackets (mm)	3000	3000	3000	3000	2500	2500	2200
Car guide rail (sections of 5 m)	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16
Counterweight guide rail (sections of 5 m)	65/54/8	70/70/9	70/65/9	70/70/9	70/65/9	70/65/9	70/65/9
Suspension	2:01	2:01	2:01	2:01	4:01	4:01	4:01
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	SCMG-10NA	SCMG-10NA	SCMG-10NA	SCMG-10NA	SCMG-11NA	SCMG-11NA	SCMG-11NA

For double 180° entrance, FH + 75 mm.
Shaft depths with 30 mm door overhang.

(1) According to opening type: T2 or C4.

NOTE: The values included in this table correspond to pre-established conditions and may be modified, according to the specific characteristics of each installation.



With machine room and machine roomless				
60	66	73	80	86
1	1	0,5	0,5	0,5
180	180	180	180	180
57,1 / 42,4	57,1 / 42,4	40,8 / 30,3	40,8 / 30,3	40,8 / 30,3
98	98	82	82	82
4500	5000	5500	6000	6500
(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800
2250	2500	2500	2600	2600
3500	3500	3800	4000	4300
2100	2100	2100	2100	2100
3750	4000	4000	4100	4100
3850	3850	4150	4350	4650
(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800
2600	3000	3100	3200	3300
3000	3000	3100	3200	3300
2180	2180	2180	2180	2180
3850	4250	4600	4700	4800
3300	3300	3400	3500	3600
1600	1600	1600	1600	1600
4100	4100	4300	4300	4500
9 x 10	10 x 10	10 x 10	10 x 10	10 x 10
AC+200	AC+200	AC+200	AC+200	AC+200
2500	2200	2000	2000	2000
127/89/16	127/89/16	127/89/16	127/89/16	127/89/16
70/65/9	70/65/9	70/65/9	70/65/9	70/65/9
4:01	4:01	4:01	4:01	4:01
Concrete	Concrete	Concrete	Concrete	Concrete
SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA

LEGEND

- AH

Shaft width
- FH

Shaft depth
- AC

Car width
- HC

Clear car height
- FC

Car depth
- OH

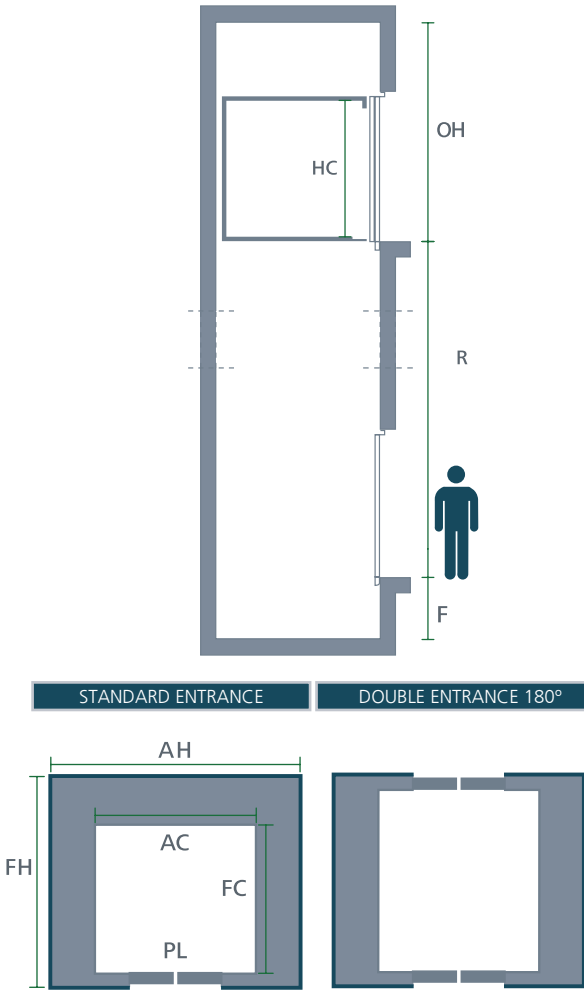
Overhead clearance
- F

Pit
- PL

Clearance
- R

Travel

DIAGRAM



ECOEFFICIENT
GEARLESS LIFTS



Gearless Lift

Very tall buildings with capacity from 630kg (8 passengers) to 2500Kg (33)
With machine room and machine roomless



SERIES	With machine room and machine roomless			
Capacity (persons)	8	10	13	16
Speed (m/s)	2,5	2,5	2,5	2,5
Starts per hour	180	180	180	180
Power (HP)	17,4	17,7	27,2	43,5
Rated current (A)	31	33	53	80
Q capacity (kg)	630	800	1000	1250
PL clear opening (mm) (1)	(T2) 900	(C2) 900	(C2) 900	(C2) 1000
AC car width (mm)	1100	1350	1400	1500
FC car depth (mm)	1400	1400	1600	1800
HC useful internal car height (mm)	2100	2100	2100	2100
AH shaft width (mm)	1850	2050	2100	2250
FH shaft depth (mm)	1700	1700	1900	2100
PL clear opening (mm) (1)	(T2) 900	(T2) 900	(T2) 900	(T2) 1000
AC car width (mm)	1250	1200	1100	1200
FC car depth (mm)	1250	1500	2100	2400
HC useful internal car height (mm)	2100	2100	2100	2100
AH shaft width (mm)	2000	1950	1850	1950
FH shaft depth (mm)	1650	1800	2400	2700
F pit (mm)	1600	1600	1600	1600
OH headroom (mm)	4450	4450	4450	4450
No. ropes x diameter (mm)	4 x 10	4 x 10	4 x 10	5 x 10
Distance between guide rails (mm)	AC+200	AC+200	AC+200	AC+200
Distance between brackets (mm)	3000	3000	3000	3000
Car guide rails (sections of 5 m)	120/76/9	120/76/9	125/82/16	125/82/16
Counterweight guide rails (sections of 5 m)	82/68/9	82/68/9	82/68/9	82/68/9
Suspension	2:01	2:01	2:01	2:01
Shaft enclosure	Concrete	Concrete	Concrete	Concrete

OPTIONAL: Speed of 2 m/s (MP_20GO!)

For 180° double entrance: FH + 75 mm

Shaft depths with 30 mm door overhang

(1) Depending on the opening type: T2, C2 or C4.

NOTE: The values included in this table correspond to pre-established conditions and may be modified, according to the specific characteristics of each installation.

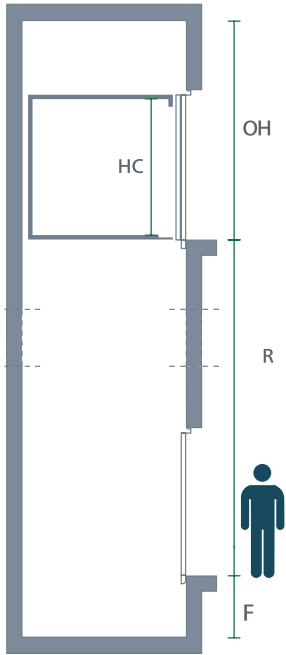
With machine room and machine roomless

21	26	33
2,5	2,5	2,5
180	180	180
43,5	57,1	57,1
80	103	103
1600	2000	2500
(C4)1300	(C4) 1400	(C4) 1400
1700	2000	2000
2000	2100	2500
2100	2100	2100
2500	2800	2800
2300	2400	2800
(C4) 1300	(C4) 1300	(C4) 1300
1400	1500	1800
2400	2700	2700
2100	2100	2100
2250	2250	2550
2700	3000	3000
1600	1650	1650
4450	4450	4450
6 x 10	7 x 10	8 x 10
AC+200	AC+200	AC+200
3000	3000	3000
125/82/16	125/82/16	127/89/16
82/68/9	82/68/9	82/68/9
2:01	2:01	2:01
Concrete	Concrete	Concrete

LEGEND

AH	Shaft width	OH	Overhead clearance
FH	Shaft depth	F	Pit
AC	Car width	PL	Clearance
HC	Clear car height	R	Travel
FC	Car depth		

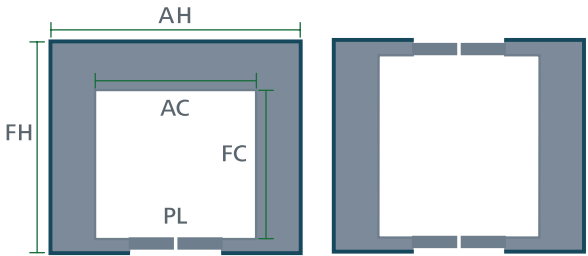
DIAGRAM



ECOEFFICIENT
GEARLESS LIFTS

STANDARD ENTRANCE

DOUBLE ENTRANCE 180°





Gearless Lift

Standard range of 4 passengers (320Kg)
to 15 passengers (1125Kg)
With machine room



SERIES	With machine room							
Capacity (persons)	4	4	5	5	6	6	8	8
Speed (m/s)	1	1,6	1	1,6	1	1,6	1	1,6
Starts per hour	180	180	180	180	180	180	180	180
Power (HP/ kW)	04-mar	4,5/3,4	04-mar	7,7/5,8	5,4/4	7,7/5,8	6,8/5	10,3/7,7
Current (A)	9,1	11	9,1	17,3	11,2	17,3	14,1	21,3
Q capacity (kg)	320	320	375	375	450/480	450/480	630	630
PL clear opening (mm)	700	700	800	800	800	800	900	900
AC car width (mm)	800	800	950	950	1000	1000	1100	1100
FC car depth (mm)	1100	1100	1050	1050	1250	1250	1400	1400
HC useful internal car height (mm)	2100	2100	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1350	1350	1500	1500	1550	1550	1650	1650
FH shaft depth (mm)	1350	1350	1300	1300	1500	1500	1650	1650
F minimum pit (mm)	1050	1155	1050	1155	1050	1155	1050	1155
OH minimum headroom (mm)	4400	4400	3400	3600	3400	3600	3400	3650
No. ropes x diameter (mm)	4x6,5	4x8	5x6,5	5x8	6x6,5	6x8	6x6,5	6x6,5
Max. distance between brackets (mm)	3000	3000	3000	3000	3000	3000	3000	3000
Car guide rails (sections of 5 m)	T70-9	T70-9	T70-9	T70-9	T70-9	T70-9	T90-16	T90-16
Counterweight guide rails (sections of 5 m)	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5
Suspension	2:01	2:01	2:01	2:01	2:01	2:01	2:01	2:01
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	ACN_AC_004	ACN_AC_004	ACN_AC_004	ACN_AC_004	ACN_AC_004	ACN_AC_004	ACN_AC_004	ACN_AC_004

NOTE: The values included in this table correspond to pre-established conditions and may be modified, according to the specific characteristics of each installation.



With machine room					
10	10	13	13	15	15
1	1,6	1	1,6	1	1,6
180	180	180	180	180	180
8,2/6,1	13,2/9,8	9,5/7,1	17,3/12,8	10,8/8	17,3/12,8
17,3	27,9	17,6	34,9	21,3	34,9
750/800	750/800	1000	1000	1125	1125
1000	1000	900	900	1000	1000
1200	1200	1100	1100	1200	1200
1500	1500	2100	2100	2150	2150
2100	2100	2100	2100	2100	2100
1800	1800	1650	1650	1800	1800
1800	1800	2350	2350	2450	2450
1050	1300	1050	1400	1050	1400
3400	3650	3400	3650	3400	3650
7x6,5	7x6,5	8x6,5	8x6,5	9x6,5	9x6,5
3000	3000	3000	3000	3000	3000
T90-16	T90-16	T90-16	T90-16	T125-16	T125-16
T45-5	T45-5	T45-5	T45-5	T65-8	T65-8
2:01	2:01	2:01	2:01	2:01	2:01
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
ACN_AC_004	ACN_AC_004	ACN_AC_004	ACN_AC_004	ACN_AC_004	ACN_AC_004

LEGEND

- AH

Shaft width
- FH

Shaft depth
- AC

Car width
- HC

Clear car height
- FC

Car depth
- OH

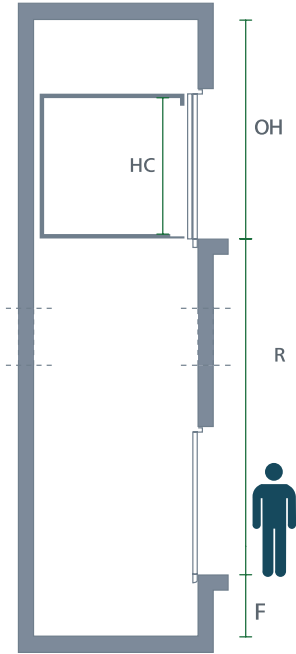
Overhead clearance
- F

Pit
- PL

Clearance
- R

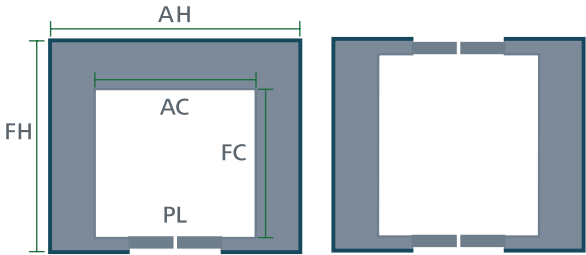
Travel

DIAGRAM



STANDARD ENTRANCE

DOUBLE ENTRANCE 180°



ECOEFFICIENT
GEARLESS LIFTS

Gearless Lift

With machine room and machine roomless lift specifically for Renovation projects



No. persons/Q/min. car area		2/180Kg/0,49m ²	3/225Kg/0,60m ²		4/320Kg/0,79m ²		5/375Kg/0,98m ²
MACHINE POSITION	▶	ON THE REAR WALL					
Shaft depth (mm)	Minimum shaft width of 900 mm	1360	1440	Minimum shaft width of 1270 mm	1380	Minimum shaft width of 1270 mm	1580
Minimum car dimension (width x depth)		700 x 820	700 x 900		1100 x 800		1050 x 950
Clear opening (mm)/ Type of doors		600/BUS TYPE	600/BUS TYPE		700/T2		700/T2
MACHINE POSITION	▶	ON A SIDE WALL					
Shaft width (mm)	Minimum shaft depth of 930 mm	1360	1440	Minimum shaft depth of 1350 mm	1330	Minimum shaft depth of 1300 mm	1580
Car dimension (width x depth)		700 x 820	700 x 900		800 x 1100		1050 x 950
Clear opening (mm) / Type of doors		600/BUS TYPE	600/BUS TYPE		700/T2		700/T2
Minimum pit in accordance with EN 81-20/50		1300	1300		1024		1024
Minimum pit in accordance with EN 81-21		315	315		315		315
Minimum headroom in accordance with EN 81-20/50		4325	4325		3400		3400
Minimum headroom in accordance with EN 81-21		2800 mm* S Series 2450 mm C Series	2800 mm* S Series 2450 mm C Series		2800 mm* S Series 2450 mm C Series		2800 mm* S Series 2450 mm C Series
Power		1,5 kW / 2 HP	2 kW / 2,6 HP		2,5 kW / 3,3 HP		3 kW / 4 HP
Nominal Intensity (A)		5,4	6,8		7,7		9,3
Single-phase option		YES	YES		YES		YES
90°/270°/180° double entrance option		PLEASE CONSULT	PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT
Triple entrance option		PLEASE CONSULT	PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT
Option for adaptation to flat sliding folding door (Bus)		YES	YES		YES		YES

* This may be reduced to 2700 mm if the height of the car is decreased to 2000 mm.

The speed of the MP GO! Flex in terms of all its models is 1 m/s.

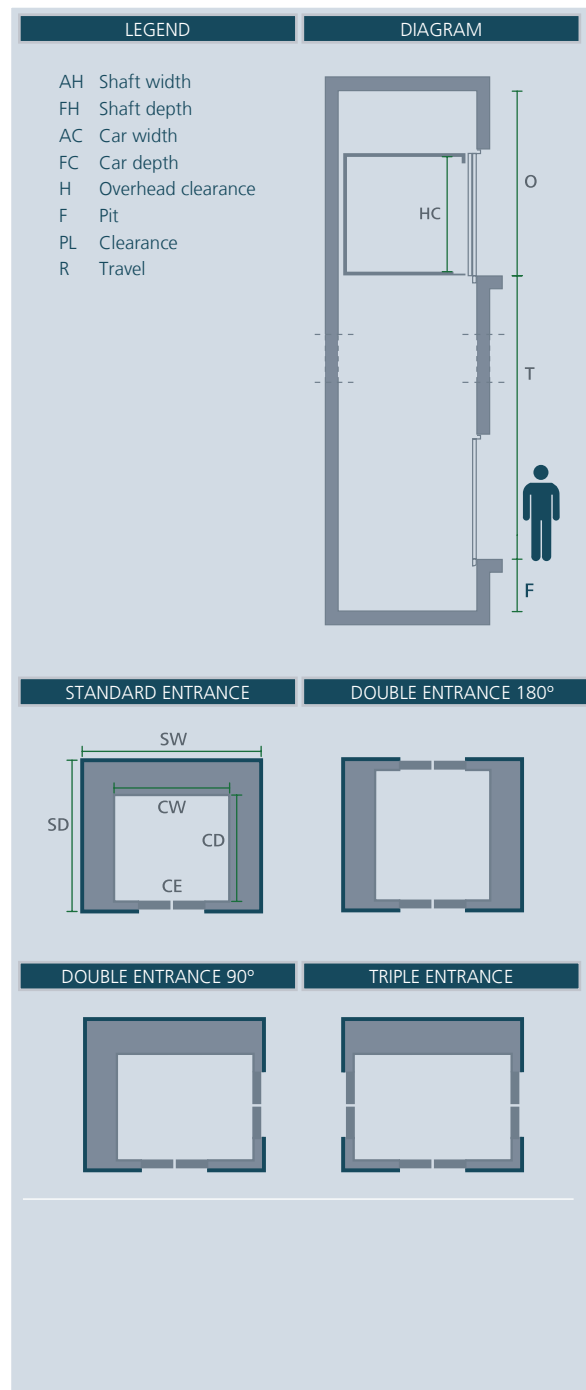
* In the event of adapting the MP GO! Flex to a single-phase mains power, the speed may decrease to 0.8 m/s or 0.5 m/s depending on the lift load.

All overhead measurements take into account the standard car height of 2100 mm.

All models may be adapted to our modular structure and offer the option of counterweight safety gear. Please ask us for more information.

NOTE: The values included in this table correspond to pre-established conditions and may be modified, according to the specific characteristics of each installation.

	6/450Kg/1,17m²	8/630Kg/1,45m²	10/800Kg/1,73m²	13/1000Kg/2,15m²
	ON THE REAR WALL			
Minimum shaft width of 1425 mm	1580	1680	1930	1830
	1250 x 1000	1400 x 1100	1500 x 1200	2100 x 1100
	800/T2	900/T2	1000/T2	1100/T2
	ON A SIDE WALL			
Minimum shaft depth of 1500 mm	1530	1630	1920	1830
	1000 x 1250	1100 x 1400	1200 x 1500	1100 x 2100
	800/T2	900/T2	1000/T2	1000/T2
	1024	1024	1350	1350
	315	315	810	810
	3400	3400	3800	3800
	2800 mm* S Series 2450 mm C Series	2800 mm* S Series 2450 mm C Series	3626 mm* S Series	3626 mm* S Series
	3,5 kW / 4,6 HP	4,6 kW / 6,1 HP	6 kW / 8,1 HP	7,4 kW / 10 HP
	11	14	17	20
	YES	NO	NO	NO
	PLEASE CONSULT	PLEASE CONSULT	PLEASE CONSULT	PLEASE CONSULT
	PLEASE CONSULT	PLEASE CONSULT	PLEASE CONSULT	PLEASE CONSULT
	YES	YES	YES	YES



ECOEFFICIENT
GEARLESS LIFTS

Gearless Lift

With machine room and machine roomless lift specifically for Refurbishment solutions for buildings without lifts



No. persons/Q/min. car area		4 / 320 kg / 0.79m²		5 / 375Kg / 0.98m²		6 / 480 kg / 1.17 m²
MACHINE POSITION	▶	ON THE REAR WALL				
Shaft depth (mm)	Shaft width 1275mm	1235	Shaft width 1265 mm	1385	Shaft width 1425 mm	1435
Minimum car dimension (width x depth)		1100 x 800		1050 x 950		1250 x 1000
Clear opening (mm)/ Type of doors		700/ T2		700 / T2		800 / T2
MACHINE POSITION	▶	ON A SIDE WALL				
Shaft width (mm)	Shaft depth 1360 mm	1190	Shaft depth 1300 mm	1340	Shaft depth 1480 mm	1420
Car dimension (width x depth)		800 x 1100		950 x 1050		1000 x 1250
Clear opening (mm) / Type of doors		600 / T2		700 / T2		800 / T2
Minimum pit in accordance with EN 81-20/50		1025		1025		1025
Minimum pit in accordance with EN 81-21		525		525		525
Minimum headroom in accordance with EN 81-20/50		3321(*)		3321(*)		3321 (*)
Minimum headroom in accordance with EN 81-21		Not available		Not available		Not available
Power		2.6 kW / 3.4 HP		3.7 kW / 4.8 HP		3.7 kW / 4.8 HP
Nominal Intensity (A)		8.75		11.5		11.5
Single-phase option		YES		YES		YES
90°/270°/180° double entrance option		PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT
Triple entrance option		PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT
Option for adaptation to flat sliding folding door (Bus)		YES		YES		YES

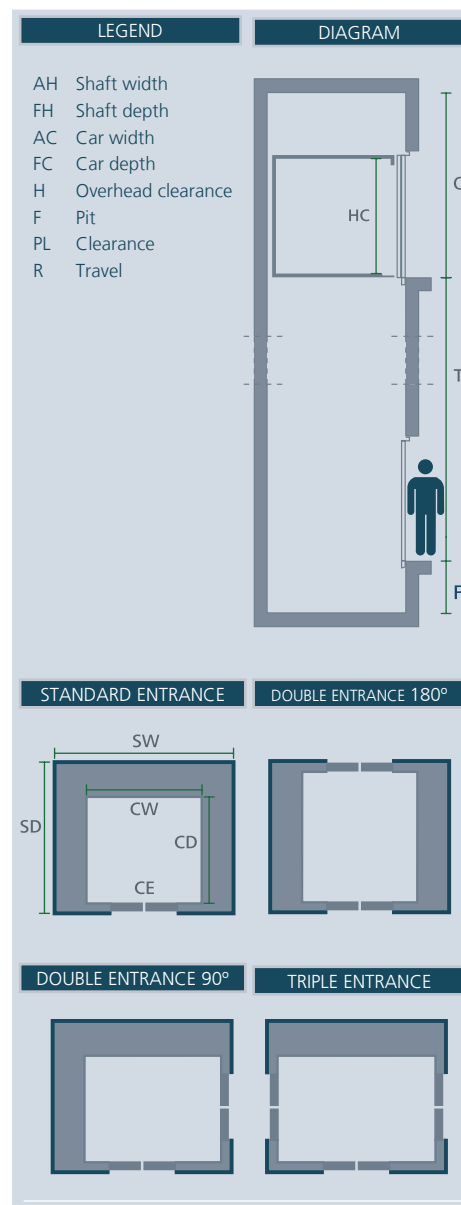
* This may be reduced 100 mm if the height of the car is decreased to 2000 mm.

The speed of the MP GO! Flex for all models is 1 m/s (in the event of adapting the MP GO! Flex XL to single-phase mains power, the speed may decrease to 0.7 m/s or 0.05 m/s depending on the lift load).

All overhead measurements take into account the standard car height of 2100 mm.

All models may be adapted to our modular structure and offer the option of counterweight safety gear. Please ask us for more information.

NOTE: The values included in this table correspond to pre-established conditions and may be modified, according to the specific characteristics of each installation.





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Ecoefficiency, a global aim