



Lifts and Escalators  
CATALOGUE







## Lifts and Escalators CATALOGUE

All information is updated on our website:  
[www.mplifts.com](http://www.mplifts.com)





## PASSENGER Lifts

TECHNOLOGY	SERIES	MODEL	PASSENGERS	SPEED (m/s)	NO. OF ENTRANCES	DESCRIPTION	RECOMMENDED USE	RECOMMENDED USE
ELECTRIC GEARLESS  (Machine with permanent, cutting edge magnets)	S	<b>mpGO!</b> Evolution	4 to 21	1.0 - 1.6 - 2.5	1 2x180°	Optimisation of shaft Eco-efficiency and eco-design	NEW CONSTRUCTION REFURBISHMENT MODERNISATION	Medium-high traffic level Energy efficiency High dimensional efficiency
	S and C	<b>mpGO!</b> Mega	26 to 86	0.5 - 1.0- 1.6	1 2x180°	Optimisation of shaft Eco-efficiency and eco-design High loads	NEW CONSTRUCTION REFURBISHMENT MODERNISATION	Transport of high passenger volumes
	S	<b>mpGO!</b> Flex	2 to 13	1,0	1 2x180° 2x90° 3	Efficient flexibility Great capacity to adapt to reduced headroom and/or pit	REFURBISHMENT	Building without a lift with irregular dimensions of shaft. Low-medium traffic level Energy efficiency. Building which requires a solution with double 90°-270° grade entrance or triple entrance. Product prepared to allow for passable areas under the shaft
	S	<b>mpGO!</b> Flex XL	4 to 6	1,0	1 2x180° 2x90° 3	Efficient flexibility Optimisation of car area	REFURBISHMENT MODERNISATION	High-rise building Medium-high traffic level Energy efficiency
	C	<b>mpGO!</b> C	4 to 15	1.0 - 1.6	1 2x180°	Adaptability, flexibility and efficiency	NEW CONSTRUCTION MODERNISATION	Complete replacement of existing lift maintaining the car's dimensions New construction with space for the machine room Medium-high traffic level Energy efficiency
ELECTRIC GEARED	C	<b>MP V</b>	4 to 40	1.0 - 1.6	1 2x180°	Adaptability and flexibility	NEW CONSTRUCTION MODERNISATION	Medium-high traffic level
HYDRAULIC	S and C	<b>MP H</b>	4 to 86	0.4 - 0.5	1 2x180° 2x90° 3	Reliable adaptability Optimisation of car surface	NEW CONSTRUCTION REFURBISHMENT MODERNISATION	Building of up to 15 metres in terms of travel range Low-medium traffic level
	S and C	<b>MP ARES</b>	2 to 8	0.63	1 2x180° 2x90° 3	The most effective solution for buildings without lifts. Maximum flexibility to adapt to irregular shafts Reduced headroom and/or pit	REFURBISHMENT	Building without a lift with irregular dimensions of shaft Low-medium traffic levels

"S" SERIES: solution Machine Room Less (MRL)  
"C" SERIES: solution With Machine Room (WMR)



It is recommended that a study on vertical traffic in the building be undertaken in order to optimise the service quality. Please see our application VERTRA on [toolspace.mpascensores.com](https://toolspace.mpascensores.com)

For any requirement that are not included in this catalogue, please get in touch with us. Engineering Department [elevacion@mplifts.com](mailto:elevacion@mplifts.com)





TECHNOLOGY	SERIES	LOAD	CAPACITY	SPEED (M/S)	NO. OF ENTRANCES	DESCRIPTION	RECOMMENDED USE
<b>ELECTRIC GEARLESS</b>  (Machine with permanent, cutting edge magnets)	S and C	1000 kg	For stretchers measuring 60 cm in width	1.0 - 1.6 - 2.5	1 2x180°	Maximum shaft efficiency Eco-efficiency and eco-design	Speed of 1.0m/s for buildings with up to 15 floors (50 metres of travel range), medium traffic levels Speed of 1.6 m for hospitals with medium-high traffic levels Speed of 2.5 m/s for high-rise buildings with medium-high traffic levels
		1275 kg	For beds measuring 90 cm in width + 1 passenger				
		1600 kg	For buildings measuring 90 cm width + 2 passengers				
		2000 kg	For beds measuring 100 cm in width + 2 passengers				
		2500 kg	For beds measuring 100 cm in width + side table				
<b>HYDRAULIC</b>	S and C	1000 kg	For stretchers measuring 60 cm in width	0,5		Great adaptability which allows the maximum car area to be achieved in minimum space	Buildings of up to 15 metres in terms of travel range Low-medium traffic levels
		1275 kg	For beds measuring 90 cm in width + 1 passenger				
		1600 kg	For beds measuring 100 cm in width + 2 passengers				
	C	2000 kg	For beds measuring 90 cm in width + 2 passengers				
		2500 kg	For beds measuring 100 cm in width + side table				



**GOODS Lifts and CAR Lifts**

TECHNOLOGY	SERIES	LOAD	SPEED (m/s)	NO. OF ENTRANCES	DESCRIPTION	RECOMMENDED USE
<b>ELECTRIC GEARLESS</b>  (Machine with permanent, cutting edge magnets)	S and C	1500 kg	1.0 - 1.6	1 2x180°	Maximum efficiency of shaft Eco-efficiency and eco-design	High traffic levels, transport of loads and access to the car with forklifts
		2000 kg				
		2500 kg				
		3000 kg	0.5 - 1.0			
		3500 kg				
		4000 kg				
		4500 kg				
		5000 kg	0,5			
		5500 kg				
		6000 kg				
6500 kg						
<b>ELECTRIC GEARED</b>	C	1500 kg	1.0 - 1.6	1 2x180° 2x90°	Adaptability, strength and efficiency	Transport of loads and access to car with forklifts Low-medium traffic levels
		2000 kg				
		2500 kg				
		3000 kg				
<b>HYDRAULIC</b>	C	1500 kg	0,2	1 2x180°	Maximum performance in car	Low-medium traffic levels Vertical transport of cars. Transport of loads and access to car with forklifts.
		2000 kg				
		2500 kg				
		3000 kg				
		3500 kg				
		4000 kg		1 2x180°		
		4500 kg				
		5000 kg				
		5500 kg				
		6000 kg				
6500 kg						

\* CAR lift models



## ACCESSIBILITY

TECHNOLOGY	SERIES	MODEL	PASSENGERS	SPEED (m/s)	NO. OF ENTRANCES	DESCRIPTION	RECOMMENDED USE
HYDRAULIC	S and C	MP MOBI	2 to 8 passengers	0.15	1 2x180° 3	Comfort and safety identical to that used by MP in its conventional lifts: cabin door, possible to call lift with the simple push of a button and automatic passenger rescue	Ideal for both new and existing buildings, from 2 to 6 floors in height Adaptable both inside and outside the building



## ESCALATORS and Moving WALKWAYS

MODEL	DESCRIPTION	MAXIMUM DROP/ SLOPE	WIDTH OF STEP	RECOMMENDED USE
MP COLINA	Escalator for medium traffic with the capacity to transport up to 6000 persons per hour	7.5 m (30°) o 6 m (35°)	600/800/1000 mm	Shopping centres, supermarkets, hotels, office buildings. For medium / high traffic level.
MP SIERRA	Escalator for high traffic with the capacity to transport up to 7300 persons per hour	12 m (30°) o 6 m (35°)	600/800/1000 mm	Mainly metro and train stations. For high traffic, both indoor and outdoor.
MP PONT	Sloped, moving walkway with the capacity to transport up to 6000 persons per hour	7,5 m (10°-11°-12°)	800/1000 mm	Shopping centres, departments stores, supermarkets, etc.
MP PONT F	Sloped, moving walkway with the capacity to transport up to 6000 persons per hour	7,5 m (10°-11°-12°)	800/1000 mm	Shopping centres, department stores, supermarkets, etc. In this case it has a smooth start to facilitate access
MP PONT H	Horizontal moving walkway with the capacity to carry up to 6000 persons per hour	Length of 15 to 150 m (0° to 6°)	1000/1200/1400 mm	Airports and train stations where passengers must travel over long distances



CONTENTS



# LIFTS



PASSENGER Lifts



BED Lifts



CAR Lifts  
and GOODS Lifts



ACCESSIBILITY



# ESCALATORS and Moving WALKWAYS



ESCALATORS



Moving WALKWAYS





## LIFTS



PASSENGER Lifts



BED Lifts

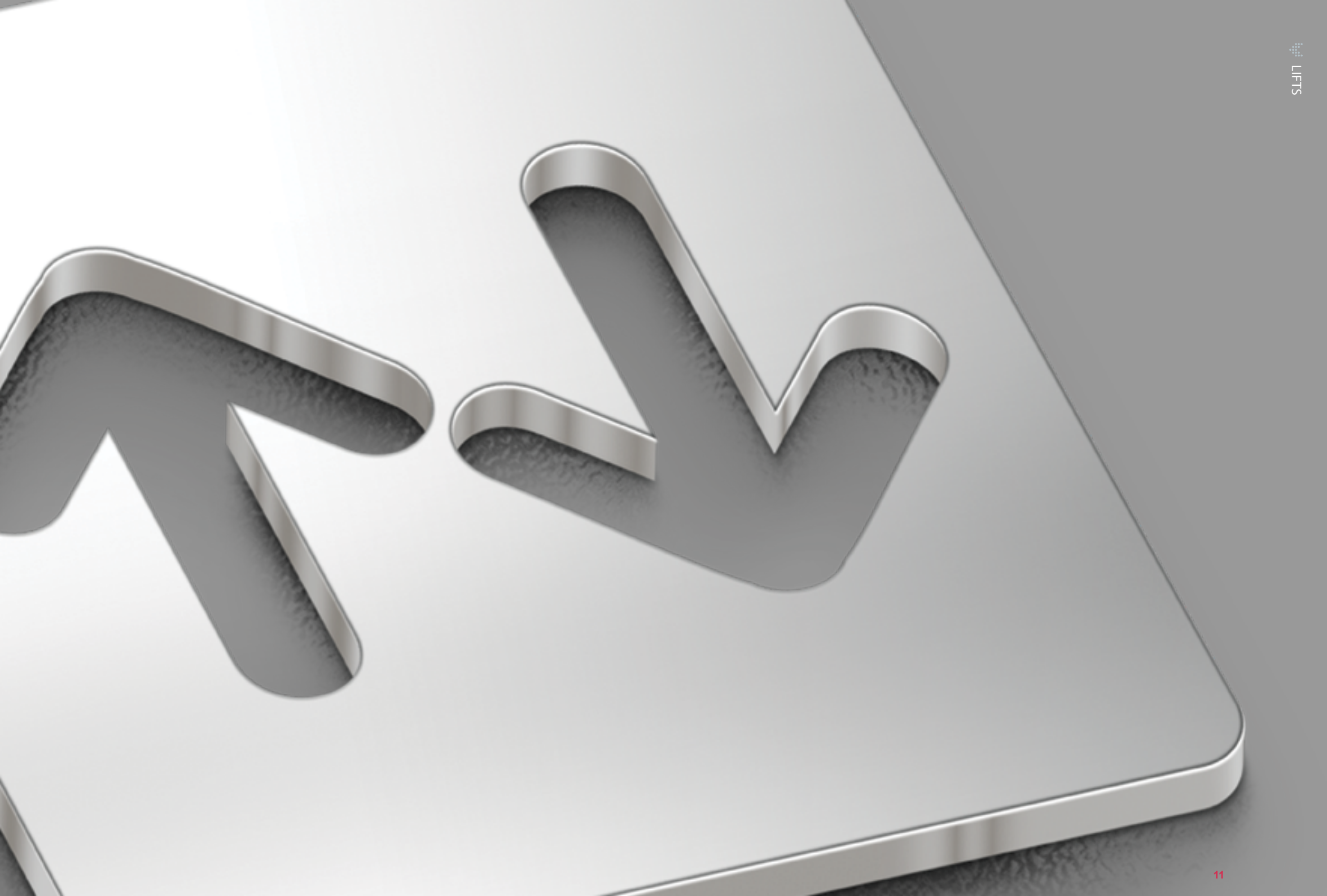


CAR Lifts  
and GOODS Lifts



ACCESSIBILITY











## MPGO! Evolution

### Eco-design

The highest performance in the range

### Energy efficiency

Innovative, versatile and highly eco-efficient. That's MPGO! Evolution with gearless technology, the most advanced type in the MPGO! range.

The MPGO! offers lifts for residential buildings, hospitals, offices and public buildings. MPGO! Evolution is a lift with the highest level of energy efficiency. This is vouched for through its LEVEL A CERTIFICATION in the VDI energy classification system.

Maximum efficiency accessible for all





PASSENGER LIFTS  
**mpgo!**Evolution

**STANDARD**  
**EN 81-20/50**

#### FEATURES

<b>TYPE:</b>	Gearless Lift
<b>SUSPENSION:</b>	2:1
<b>LOAD:</b>	320 kg to 1600 kg
<b>CAPACITY:</b>	4 to 21 persons
<b>SPEED:</b>	1.0 - 1.6 m/s (Optional 2,5 m/s from 8 to 21 persons)
<b>TRAVEL RANGE:</b>	Up to 50 m
<b>STOPS:</b>	16 stops
<b>ENTRANCES</b>	Single entrance and double 180° entrance
<b>SERIES:</b>	"S" Machine room less

#### CAR

<b>MODEL:</b>	D-100 with curtain photocell Jamb arrow direction (Optional: other car models, see catalogues)
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2100 mm (Optional: other heights)

#### CAR DOORS

<b>TYPE:</b>	TYPE: Automatic: 2 side-opening panels. 3VF (Optional: other models)
<b>FINISH:</b>	Stainless steel (X02)
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)

#### LANDING DOORS

<b>TYPE:</b>	Automatic: 2 side-opening panels (Optional: other models)
<b>FINISH:</b>	Epoxy RAL 7044
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)
<b>FIRE CLASSIFICATION ACCORDING TO EN 81-51:</b>	E120, EW60 (Optional: other classifications)

#### SHAFT

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>HEADROOM:</b>	See table

#### CAR OPERATING PANEL

<b>MODEL:</b>	Full-height
<b>FINISH:</b>	Plastic coated steel (Optional: Stainless steel X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>CAR INDICATOR:</b>	2 digit display with Leds made up of 7 segments (Optional LCD and TFT display)
<b>SAFETY:</b>	Emergency light and telephone

#### LANDING OPERATING PANEL

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>ENGRAVING:</b>	Black logo (done with laser)

#### CONTROLLER

<b>TYPE:</b>	MP ecoGO controller and inverter. Collective or pick-up.
<b>CONTROLLER CABINET:</b>	"S" series: On the highest floor, adjacent to the door. (Optional: cabinet may be located on any floor or location) Epoxy finish

#### ELECTRIC INSTALLATION

	Pre-assembled with "Plug & Play" connectors
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#### MACHINE

	Gearless. Permanent maGO magnets With thermal safety cover for motor. Rescue operation: Automatic rescue in addition to emergency electrical controller
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#### BUFFERS

	Made from polyurethane with a metal pedestal included
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#### GUIDE RAILS

	Cold-Drawn / Machined
	In accordance with ISO 7465
	Bracketed

#### FIXINGS

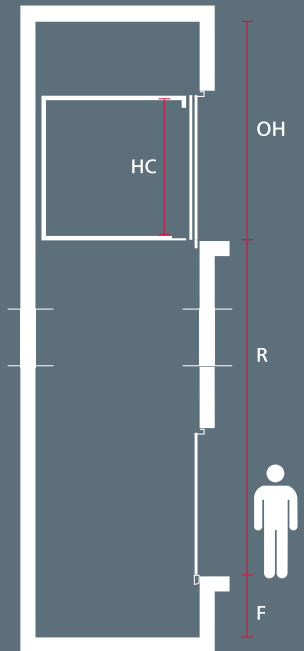
	Fixing brackets and plugs for enclosure
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#### ELECTRICAL FEATURES

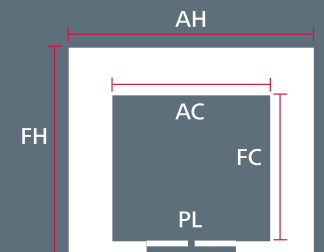
<b>POWER SUPPLY VOLTAGE:</b>	380 V three-phase (Optional: 220 V, 400 V, 415 V three-phase)
<b>LIGHTING VOLTAGE:</b>	220 V
<b>FREQUENCY:</b>	50 Hz (Optional: 60 Hz)

NOTE: Specifications correspond to the basic rate model.

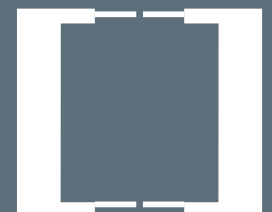
#### DIAGRAM



#### STANDARD ENTRANCE



#### DOUBLE 180° ENTRANCE





	S SERIES															
	4	5	6	6	8	8	10	10	13	13	15	15	17	17	21	21
Capacity (persons)	4	5	6	6	8	8	10	10	13	13	15	15	17	17	21	21
Speed (m/s)	1	1	1	1,6	1	1,6	1	1,6	1	1,6	1	1,6	1	1,6	1	1,6
Starts per hour	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
Power (HP / kW)	4 / 3	4 / 3	5,4 / 4	10,8 / 8	6,75 / 5	10,8 / 8	8,1 / 6	17,3 / 12,8	9,5 / 7	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
Current rating (A)	9,1	9,6	11,2	22,8	14,1	22,8	17,3	34,9	17,6	34,9	21,3	31	29,7	33	42	53,5
Q payload capacity (kg)	320	375	450 / 480	450 / 480	630	630	750 / 800	750 / 800	1000	1000	1125	1125	1275	1275	1600	1600
PL Clear entrance (mm)	700	700	800	800	900	900	900	900	900	900	1000	1000	1000	1000	1100	1100
AC Car exterior width (mm)	800	950	1000	1000	1100	1100	1200	1200	1100	1100	1200	1200	1200	1200	1400	1400
FC Car exterior depth (mm)	1100	1050	1250	1250	1400	1400	1500	1500	2100	2100	2150	2150	2300	2300	2400	2400
HC Car useful height (mm)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1350	1450	1500	1500	1600	1600	1700	1750	1600	1650	1700	1750	1800	1800	2000	2000
FH shaft depth (mm)	1350	1350	1500	1600	1650	1650	1750	1750	2350	2350	2400	2400	2700	2700	2750	2750
F Pit (mm)	1025	1025	1025	1155	1025	1155	1025	1300	1025	1400	1025	1400	1200	1400	1200	1400
OH Headroom (mm)	4400	4400	3400	3600	3400	3600	3400	3650	3400	3650	3400	3650	3400	3650	3400	3650
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	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
Distance between brackets (mm)	1500 / 3000	1500 / 3000	1500 / 3000	3000	1500 / 3000	3000	1500 / 3000	3000	1500 / 3000	3000	1500 / 3000	3000	1500 / 3000	3000	1500 / 3000	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	90 / 75 / 16	89 / 62 / 16	90 / 75 / 16	120 / 76 / 9	120 / 76 / 9	90 / 75 / 16	125 / 82 / 16
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	70 / 70 / 9	70 / 70 / 9	70 / 70 / 9	70 / 70 / 9	70 / 70 / 9	65 / 54 / 8	70 / 70 / 9
Suspension	2:1	2:1	2:1	2:1	2:1	2:1	2:1	2:1	2:1	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	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	AC2050-18	ACIN3 2010	AC2050-18	AC2050-18	AC2050-18	AC2050-18	AC2050-18

- 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.
- Available 1000x1300 according to EN 81-70:2018 with 50 mm more shaft depth.

PRODUCT OPTIONS:

- Reduced headroom up to 2850 mm. For headrooms smaller than 3400 and up to 2850 mm, the safety level required by EN 81-21 is applied. For lower headrooms, please contact us. For 4 passengers, consult about feasibility.
- Reduced pit up to 630 mm. For pits smaller than 1050 and up to 630 mm, the safety level required by EN 81-21 is applied. For lower headrooms, please contact us. For 4 passengers, consult about feasibility.
- Adaptable to single-phase mains power, with solutions for up to 6 passengers at 0,5 m/s or 1 m/s-rated speed, and up to 8 persons at 0,5 m/s-rated speed.
- Safety gear on counterweight for all models. 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.



# Comfort

you can see and feel it...

The level of COMFORT in a lift can be felt both by those who use it, as well as by the residents of a building.

Let's see the parameters which are used to measure comfort, which parameters are measured, the scopes of measurement, how it is regulated and the values offered by MPMGO! Evolution.

## MEASUREMENT PARAMETERS

The comfort of a lift, both for those who use it as well as for the residents of a building, can be measured using the following parameters:

### NOISE

Noise not desired by the receiver, this generally being unpleasant.

This is measured in dB (A), a unit of measurement which represents how the human ear filters the noise level.

### VIBRATIONS

Oscillations undesired by the receiver, these generally being unpleasant.

These are mainly transmitted to the car in two ways: Vertically, i.e. through the components which are between the car and the machine (electric ropes) and horizontally, i.e. between the car and guide rails (guide shoes).

These are measured in milli-g (1 milli-g is equivalent to 0.01 m/s<sup>2</sup>).







## SCOPES OF MEASUREMENT

During the operating of the lift, the noise and vibration levels should be taken into account in four outstanding areas for the lift's comfort:

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Inside the car: where the comfort of the trip is measured (1)

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Areas adjacent to the shaft (for example, the room in the apartment which shares a wall with the lift) (2)

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Lift shaft (3)

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Top floor (where the machine room and controller are located) (4)

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## APPLICABLE STANDARDS:

VDI 2566-2:2004 Acoustic design for machine room less lifts. (German Standard)

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ISO 18738:2003 - Lifts (elevators) - Measurement of lift ride quality

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## CURRENT LEGISLATION, in addition to specific legislation for lifts:

Technical Building Code. DB-HR sound protection

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Spanish Law on Noise, RD (Royal Decree) 1367/2007

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Regional decrees and municipal regulations

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## Car interior (quality of ride) <sup>1</sup>

The ride quality for the passenger in the lift is based on sensations he/she perceives during the trip inside the car. Therefore, the parameters which most affect passengers in this aspect are:

**Jerk:** A scalar magnitude which expresses the changes in acceleration per unit of time. It represents the “pulling” sensation which is felt when the lift moves. It is measured in the units of the International System ( $m/s^3$ ).

**Sound:** The sound level during the operating of the lift must be low enough in order to be able to hold a conversation, but loud enough so that passengers know the lift is moving. It is measured in dB (A).

**Vibrations:** Both vertical and horizontal vibrations.

### VALUES OFFERED BY MP GO! EVOLUTION:

Car sound level: Medium level:  $50 \pm 3$  dB (A)

Jerk  $\leq 1.5$   $m/s^3$

Vibrations:

- Vertical: ISO A95  $\leq 15 \pm 5$  milli-g's
- Horizontal: ISO A95  $\leq 8 \pm 1$  milli-g's





## Areas adjacent to the shaft 2

The parameter with which the comfort of the lift is measured is its SOUND LEVEL.

The standard VDI 2566-2:2004 establishes a maximum sound level of 30 dBA.

The Spanish Law on Noise, RD (Royal Decree) 1367/2007, establishes a maximum sound level of 30 dBA if they are protected areas (living rooms and bedrooms) and 35 dBA if the areas are not protected.

The Spanish Technical Building Code (TBC) sets out that construction must guarantee the following insulation:

Acoustic insulation between an installation area (lift shaft) and a protected area (living room, bedroom, etc.) must be at least 55 dBA.

Acoustic insulation between an installation area (lift shaft) and a non-protected area (stairway, kitchen, etc.) must be at least 45 dBA.

A proper installation of MP GO! Evolution ensures compliance with established levels.

## Lift shaft 3

The parameter with which the comfort of the lift is measured is its SOUND LEVEL.

Standard VDI 2566-2:2004 establishes a maximum noise level (Max. LAF) of 75 dBA.

The values offered by MP GO! Evolution are:

Medium level:  $L_{pAeq} = 65$  dBA.  
Maximum level:  $L_{pAmax} = 68$  dBA.

## Top floor 4

The parameter with which the comfort of the lift is measured is its SOUND LEVEL.

Standard VDI 2566-2:2004 establishes a maximum noise level (Max. LAF) for access doors of 65 dBA.





**MPGO!** Mega

## Great capacity

The ideal solution  
for heavy traffic

### Gearless

Provided with the basic features of the MPMGO! range in terms of safety, comfort and energy efficiency, MPMGO! Mega is an ideal solution which uses advanced gearless technology in buildings where the high volume of passengers transported requires lifts to be spacious, strong and adapted to new eco-efficiency requirements.

### Power and strength







PASSENGER LIFTS  
**mpgo! Mega**

**STANDARD**  
**EN 81-20/50**

#### FEATURES

<b>TYPE:</b>	Gearless Lift
<b>SUSPENSION:</b>	2:1 and 4:1
<b>LOAD:</b>	2000 kg to 6500 kg
<b>CAPACITY:</b>	26 to 86 persons
<b>SPEED:</b>	1 m/s up to 5000 kg 1.6 m/s up to 2500 kg 0.5 m/s from 5500 kg to 6500 kg
<b>TRAVEL RANGE:</b>	Up to 50 m
<b>STOPS:</b>	16 stops
<b>ENTRANCES</b>	Single entrance and double 180° entrance
<b>SERIES:</b>	"C" With a machine room "S" Machine room less

#### CAR

<b>MODEL:</b>	D-100 with curtain photocell Jamb arrow direction  (Optional: other car models, see catalogues)
<b>EXTERIOR:</b>	See table
<b>DIMENSIONS:</b>	2100 mm
<b>HEIGHT:</b>	(Optional: other heights)

#### CAR DOORS

<b>TYPE:</b>	Automatic: 2 side-opening panels / 4 central panels. 3VF (Optional: other models)
<b>FINISH:</b>	Stainless steel (X02)
<b>DIMENSIONS:</b>	See table x 2000 mm  (Optional: other heights)

#### LANDING DOORS

<b>TYPE:</b>	Automatic: 2 side-opening panels / 4 central panels  (Optional: other models)
<b>FINISH:</b>	Epoxy
<b>DIMENSIONS:</b>	See table x 2000 mm  (Optional: other heights)
<b>FIRE CLASSIFICATION:</b>	E120, EW60 according to EN 81-51  (Optional: other classifications)

#### SHAFT

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>HEADROOM:</b>	See table

#### CAR OPERATING PANEL

<b>MODEL:</b>	Full-height
<b>FINISH:</b>	Plastic coated steel  (Optional: Stainless steel X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit using Leds  (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>CAR INDICATOR:</b>	2 digit display with Leds made up of 7 segments  (Optional LCD display)
<b>SAFETY:</b>	Emergency light and telephone

#### LANDING OPERATING PANEL

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds.  (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>ENGRAVING:</b>	Black logo (done with laser)

#### CONTROLLER

<b>TYPE:</b>	Via Serie controller and inverter. Down collective or pick-up.
<b>LOCATION:</b>	In machine room for "C" series, located in upper layout of shaft. Cabinet on the top floor for "S" series Epoxy finish

#### ELECTRIC INSTALLATION

	Pre-assembled with "Plug & Play" connectors
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#### MACHINE

	Gearless. Permanent magnets with thermal safety cover for motor. Rescue operation: manual through unbalanced load
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#### BUFFERS

	Made from polyurethane with a metal pedestal included
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#### GUIDE RAILS

	Cold-Drawn / Machined  In accordance with ISO 7465
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#### FIXINGS

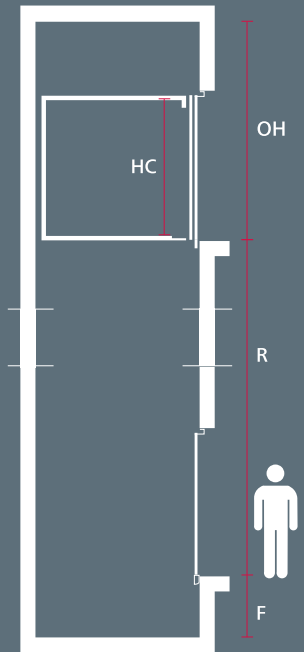
	Fixing brackets and plugs for concrete enclosure.
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#### ELECTRICAL FEATURES

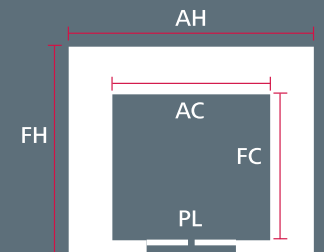
<b>POWER SUPPLY VOLTAGE:</b>	380 V three-phase  (Optional: 220 V, 400 V, 415 V three-phase)
<b>LIGHTING VOLTAGE:</b>	220 V
<b>FREQUENCY:</b>	50 Hz  (Optional: 60 Hz)

NOTE: Specifications correspond to the basic rate model.

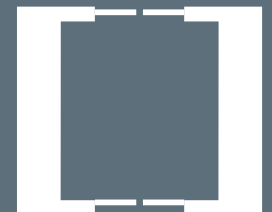
#### DIAGRAM



#### STANDARD ENTRANCE



#### DOUBLE 180° ENTRANCE







Gearless



26 to 86 persons



2000 to 6500 Kg



With machine room and machine roomless

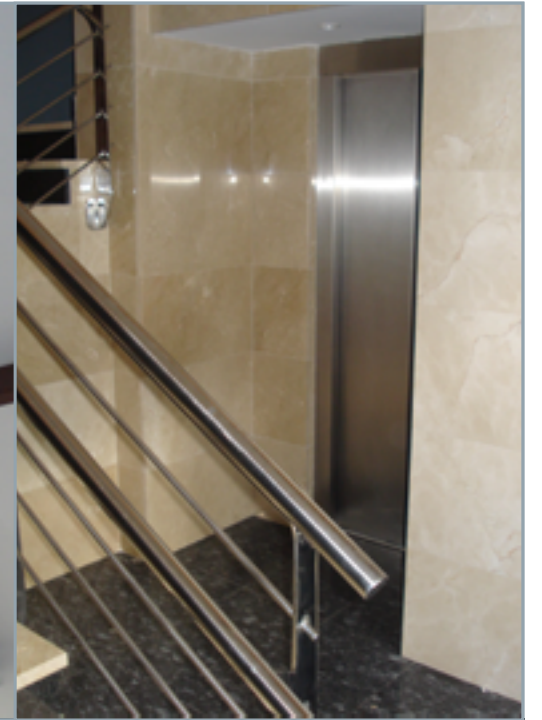


	C and S SERIES											
Capacity (persons)	26	26	33	33	40	46	53	60	66	73	80	86
Speed (m/s)	1	1,6	1	1,6	1	1	1	1	1	0,5	0,5	0,5
Starts per hour	180	180	180	180	180	180	180	180	180	180	180	180
Power (HP/kW)	21,8 / 16,2	35,4 / 26,3	21,8 / 16,2	40,8 / 30,3	43,5 / 32,3	43,5 / 32,3	43,5 / 32,3	57,1 / 42,4	57,1 / 42,4	40,8 / 30,3	40,8 / 30,3	40,8 / 30,3
Rated current (A)	43	68	43	80	80	80	80	98	98	82	82	82
Q capacity (kg)	2000	2000	2500	2500	3000	3500	4000	4500	5000	5500	6000	6500
PL clear opening (mm) (1)	(C4) 1400	(C4) 1400	(C4) 1400	(C4) 1400	(C4) 1400	(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800
AC car width (mm)	2000	2000	2000	2000	1850	2000	2100	2250	2500	2500	2600	2600
FC car depth (mm)	2100	2100	2500	2500	3000	3200	3400	3500	3500	3800	4000	4300
HC useful car height (mm)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	2950	2950	2950	2950	3150	3300	3400	3750	4000	4000	4100	4100
FH shaft depth (mm)	2400	2400	2800	2800	3300	3500	3700	3850	3850	4150	4350	4650
PL clear opening (mm) (1)	(T2) 1300	(T2) 1300	(T2) 1300	(T2) 1300	(C4) 1400	(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800	(C4) 1800
AC car width (mm)	1500	1500	1800	1800	2100	2350	2450	2600	3000	3100	3200	3300
FC car depth (mm)	2700	2700	2700	2700	2700	2700	2900	3000	3000	3100	3200	3300
HC useful car height (mm)	2100	2100	2100	2100	2180	2180	2180	2180	2180	2180	2180	2180
AH shaft width (mm)	2450	2450	2750	2750	3250	3600	3700	3850	4250	4600	4700	4800
FH shaft depth (mm)	3000	3000	3000	3000	3000	3000	3200	3300	3300	3400	3500	3600
F pit (mm)	1400	1600	1400	1600	1600	1600	1600	1600	1600	1600	1600	1600
OH headroom (mm)	3800	3800	3800	3800	4100	4100	4100	4100	4100	4200	4200	4500
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	9 x 10	10 x 10	10 x 10	10 x 10	10 x 10
Distance between guide rails (mm)	AC+200	AC+200	AC+200	AC+200	AC+200	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	2500	2200	2000	2000	2000
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	127/89/16	127/89/16	127/89/16	127/89/16	127/89/16
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	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9
Suspension	2:1	2:1	2:1	2:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	SCMG-10NA	SCMG-10NA	SCMG-10NA	SCMG-10NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA

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

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

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







**MP**GO!Flex

## Efficient Flexibility

Refurbishment solutions  
for buildings without lifts

### Accessibility and comfort

MP GO! Flex is the gearless technology solution able to be seamlessly adapted to any building, no matter how small or complicated the available shaft may be, as well as to self-supporting modular structures.

Versatility and comfort





PASSENGER LIFTS  
**mpgo!Flex**

**STANDARD**  
**EN 81-20/50**

#### FEATURES

<b>TYPE:</b>	Gearless Lift
<b>SUSPENSION:</b>	1:1
<b>LOAD:</b>	180 kg to 1000 kg
<b>CAPACITY:</b>	2 to 13 persons
<b>SPEED:</b>	1 m/s
<b>TRAVEL RANGE:</b>	Up to 50 m
<b>STOPS:</b>	16 stops
<b>ENTRANCES:</b>	Single entrance, double 180° entrance, double 90° entrance and triple entrance
<b>SERIES:</b>	"S" machine room less "C" with a machine room

#### CAR

<b>MODEL:</b>	D-100 with curtain photocell Jamb arrow direction (Optional: other car models, see catalogues)
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2100 mm (Optional: other heights)

#### CAR DOORS

<b>TYPE:</b>	Automatic. 2 side-opening panels 3VF (Optional: other models) BS: Automatic sliding folding door (BUS) (Optional: other models)
<b>FINISH:</b>	Epoxy RAL 7044
<b>DIMENSIONS:</b>	See table x 2000 mm (optional: other heights) (Optional: other heights)

#### LANDING DOORS

<b>TYPE:</b>	Automatic: 2 side-opening panels (Optional: other models) BS: Semiautomatic vision panel and opening detection (Optional: other models)
<b>FINISH:</b>	Epoxy RAL 7044
<b>DIMENSIONS:</b>	See table x 2000 mm (optional: other heights)
<b>FIRE CLASSIFICATION ACCORDING TO EN 81-51:</b>	E120, EW60 (Optional: other classifications)

#### SHAFT

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>HEADROOM:</b>	See table

#### CAR OPERATING PANEL

<b>MODEL:</b>	Full-height
<b>FINISH:</b>	Plastic coated steel (Optional: Stainless steel XO2)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit using Leds (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>CAR INDICATOR:</b>	Display made up of 2 digits with Leds of 7 segments (Optional LCD and TFT display)
<b>SAFETY:</b>	Emergency light and telephone

#### LANDING OPERATING PANEL

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>ENGRAVING:</b>	Black logo (done with laser)

#### CONTROLLER

<b>TYPE:</b>	Via Serie controller and DSP inverter. Down collective or universal
<b>CONTROLLER CABINET:</b>	On the highest floor. Epoxy finish for "S" series (Optional: cabinet may be located on any floor) For "C" Series, located in the upper projection.

#### ELECTRIC INSTALLATION

	Pre-assembled with "Plug & Play" connectors
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#### MACHINE

	Gearless. Permanent maGO magnets With thermal safety cover for motor. Automatic rescue with emergency electrical controller
--	---

#### BUFFERS

	Made from polyurethane with a metal pedestal included
--	---

#### GUIDE RAILS

	Cold-Drawn / Machined In accordance with ISO 7465
--	--

#### FIXINGS

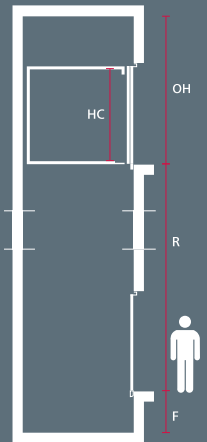
	Fixing brackets and plugs for concrete enclosure
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#### ELECTRICAL FEATURES

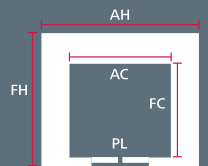
<b>POWER SUPPLY VOLTAGE:</b>	380 V three-phase (220 V single-phase option, see catalogue)
<b>LIGHTING VOLTAGE:</b>	220 V
<b>FREQUENCY:</b>	50 Hz

NOTE: Specifications correspond to the basic rate model.

#### DIAGRAM



#### STANDARD ENTRANCE



#### DOUBLE 180° ENTRANCE



#### DOUBLE 90° ENTRANCE



#### TRIPLE ENTRANCE





Gearless



2 to 13 persons



180 to 1000 kg



With machine room and machine roomless

MPGO!Flex



No. persons/Q/min. car area	2/180 kg/0,49 m <sup>2</sup>		3/225 kg/0,60 m <sup>2</sup>		4/320 kg/0,79 m <sup>2</sup>		5/375 kg/0,98 m <sup>2</sup>		6/450 kg/1,17 m <sup>2</sup>		8/630 kg/1,45 m <sup>2</sup>		10/800 kg/1,73 m <sup>2</sup>		13/1000 kg/2,15 m <sup>2</sup>	
Machine position	ON THE REAR WALL															
Shaft depth (mm)	1360	1440	Shaft width 900 mm	1380	Shaft width 1270 mm	1580	Shaft width 1270 mm	1580	Shaft width 1425 mm	1680	Shaft width 1575 mm	1930	Shaft width 1850 mm	1830	Shaft width 2450 mm	
Minimum car dimension (width x depth)	700 x 820	700 x 900		1100 x 800		1050 x 950		1250 x 1000		1400 x 1100		1500 x 1200		2100 x 1100		
Clear opening (mm) / Type of doors	600/BUS TYPE	600/BUS TYPE		700/T2		700/T2		800/T2		900/T2		1000/T2		1100/T2		
Machine position	ON A SIDE WALL															
Shaft width (mm)	1300	1500	Shaft depth 930 mm	1330	Shaft depth 1350 mm	1480	Shaft depth 1300 mm	1530	Shaft depth 1500 mm	1630	Shaft depth 1630 mm	1920	Shaft depth 1800 mm	1830	Shaft depth 2400 mm	
Car dimension (width x depth)	780 x 750	820 x 750		800 x 1100		950 x 1050		1000 x 1250		1100 x 1400		1200 x 1500		1100 x 2100		
Clear opening (mm) / Type of doors	600/BUS TYPE	700/BUS TYPE		700/T2		800/T2		800/T2		900/T2		1000/T2		1000/T2		
Minimum pit in accordance with EN 81-20/50	1300	1300		1024		1024		1024		1024		1350		1350		
Minimum pit in accordance with EN 81-21	315	315		315		315		315		315		810		810		
Minimum headroom in accordance with EN 81-20/50	4325	4325		3400		3400		3400		3400		3800		3800		
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		2800 mm* S Series 2450 mm C Series		2800 mm* S Series 2450 mm C Series		3626 mm* S Series		3626 mm* S Series		
Power	1,5 kW / 2 HP	2 kW / 2,6 HP		2,5 kW / 3,3 HP		3 kW / 4 HP		3,5 kW / 4,6 HP		4,6 kW / 6,1 HP		6 kW / 8,1 HP		7,4 kW / 10 HP		
Nominal Intensity (A)	5,4	6,8		7,7		9,3		11		14		17		20		
Single-phase option	YES	YES		YES		YES		YES		NO		NO		NO		
90°/270°/180° double entrance option	PLEASE CONSULT	PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT		
Triple entrance option	PLEASE CONSULT	PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT		PLEASE CONSULT		
Option for adaptation to flat sliding folding door (Bus)	YES	YES		YES		YES		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.

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range







**MPGO!** Flex XL

## Flexibility and efficiency

Refurbishment solutions for buildings without lifts

### Adaptability and innovation

The XL CAR option is ideal to completely replace hydraulic lifts, offering the same car dimensions.

Gearless technology adapted to very small spaces and difficult shafts.

Optimise shaft dimensions to the maximum





PASSENGER LIFTS  
**mpgo!** Flex XL



**FEATURES**

<b>TYPE:</b>	Gearless Lift
<b>SUSPENSION:</b>	1:1
<b>LOAD:</b>	320 kg to 480 kg
<b>CAPACITY:</b>	4 to 6 persons
<b>SPEED:</b>	1 m/s
<b>TRAVEL RANGE:</b>	Up to 50 m
<b>STOPS:</b>	16 stops
<b>ENTRANCES:</b>	Single entrance, double 180° entrance, double 90° entrance and triple entrance
<b>SERIES:</b>	"S" machine roomless "C" with a machine room

**CAR**

<b>MODEL:</b>	D-100 with curtain photocell
	Jamb arrow direction
	(Optional: other car models, see catalogues)
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2100 mm
	(Optional: other heights)

**CAR DOORS**

<b>TYPE:</b>	Automatic. 2 side-opening panels. 3VF
	(Optional: other models)
	BS: Automatic sliding folding door (BUS)
	(Optional: other models)
<b>FINISH:</b>	Stainless steel (X02)
<b>DIMENSIONS:</b>	See table x 2000 mm
	(Optional: other heights)

**LANDING DOORS**

<b>TYPE:</b>	Automatic: 2 side-opening panels
	(Optional: other models)
	BS: Semiautomatic vision panel and opening detection
	(Optional: other models)
<b>FINISH:</b>	Epoxy RAL 7044
<b>DIMENSIONS:</b>	See table x 2.000 mm
	(Optional: other heights)
<b>FIRE CLASSIFICATION ACCORDING TO EN 81-51:</b>	E120, EW60
	(Optional: other classifications)

**SHAFT**

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>SAFETY FREE VERTICAL DISTANCE:</b>	See table

**CAR OPERATING PANEL**

<b>MODEL:</b>	Full-height
<b>FINISH:</b>	Plastic coated steel
	(Optional: Stainless steel X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit using Leds.
	(Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>CAR INDICATOR:</b>	Display made up of 2 digits with Leds of 7 segments
	(Optional LCD and TFT display)
<b>SAFETY:</b>	Emergency light and telephone

**LANDING OPERATING PANEL**

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds
	(Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>ENGRAVING:</b>	Black logo (done with laser)

**CONTROLLER**

<b>TYPE:</b>	Via Serie controller and DSP inverter. Down collective or universal
	"S" series: On the highest floor. (Optional: cabinet may be located on any floor)
<b>CONTROLLER CABINET:</b>	"C" series: In the machine room, located at the top
	Epoxy finish

**ELECTRIC INSTALLATION**

	Pre-assembled with "Plug & Play" connectors
--	---

**MACHINE**

	Gearless. Permanent maGO magnets
	With thermal safety cover for motor.
	Automatic rescue with emergency electrical controller

**BUFFERS**

	Made from polyurethane with a metal pedestal included
--	---

**COLD-DRAWN / MACHINED**

	Guide rails
	In accordance with ISO 7465

**FIXINGS**

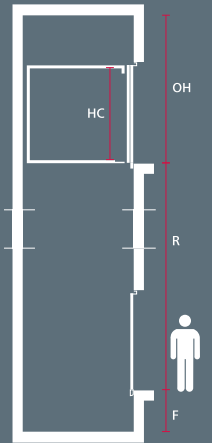
	Fixing brackets and plugs for concrete enclosure
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**ELECTRICAL FEATURES**

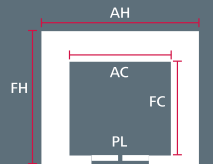
<b>POWER SUPPLY VOLTAGE:</b>	380 V three-phase
	(220 V single-phase option, see catalogue)
<b>LIGHTING VOLTAGE:</b>	220 V
<b>FREQUENCY:</b>	50 Hz

NOTE: Specifications correspond to the basic rate model.

DIAGRAM



STANDARD ENTRANCE



DOUBLE 180° ENTRANCE



DOUBLE 90° ENTRANCE



TRIPLE ENTRANCE





Gearless



4 to 6 persons



320 to 480 kg



With machine room and machine roomless



	4 / 320 kg / 0.79 m <sup>2</sup>		5 / 375Kg / 0.98m <sup>2</sup>		6 / 480 kg / 1.17 m <sup>2</sup>	
No. persons/Q/min. car suspension	4 / 320 kg / 0.79 m <sup>2</sup>		5 / 375Kg / 0.98m <sup>2</sup>		6 / 480 kg / 1.17 m <sup>2</sup>	
Machine position	ON THE REAR WALL					
Shaft depth (mm)	1235	Shaft width 1275mm	1385	Shaft width 1265 mm	1435	Shaft width 1425 mm
Car dimension (width x depth) (mm)	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)	1190	Shaft depth 1360 mm	1340	Shaft depth 1300 mm	1420	Shaft depth 1480 mm
Car dimension (width x depth) (mm)	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.







## MPGO!C

### Modernisation

The ideal solution for modernisation or replacement

### Eco-efficiency

The MP GO! C is a lift with gearless technology and machine room, designed to improve energy efficiency both for existing lifts as well as new installationst.

In addition, it offers the possibility to be adapted to a single-phase 220V supply.

A forward-looking lift





PASSENGER LIFTS  
**MPGO!C**



#### FEATURES

<b>TYPE:</b>	Gearless lift
<b>LOAD:</b>	320 kg to 1125 kg
<b>CAPACITY:</b>	4 to 15 persons
<b>SPEED:</b>	1 m/s and 1.6 m/s
<b>SUSPENSION:</b>	2:1
<b>TRAVEL RANGE:</b>	Up to 50 m
<b>STOPS:</b>	16 stops
<b>ENTRANCES:</b>	Single entrance, double 180° entrance
<b>SERIES:</b>	"C" With machine room

#### CAR

<b>MODEL:</b>	D-100 with single beam photocell (Optional: curtain photocell) Jamb arrow direction (Optional: other car models, see catalogues)
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2100 mm (Optional: other heights)

#### CAR DOORS

<b>TYPE:</b>	Automatic: 2 side-opening panels. 3VF (Optional: other models)
<b>FINISH:</b>	Stainless steel (X02)
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)

#### LANDING DOORS

<b>TYPE:</b>	Automatic: 2 side-opening panels (Optional: other models)
<b>FINISH:</b>	Epoxy RAL 7044
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)
<b>FIRE CLASSIFICATION:</b>	E120, EW60 according to EN 81-58 (Optional: other classifications)

#### SHAFT

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>HEADROOM:</b>	See table

#### CAR OPERATING PANEL

<b>MODEL:</b>	Full-height (Column)
<b>FINISH:</b>	Plastic coated steel (Optional: Stainless steel X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit using Leds (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>CAR INDICATOR:</b>	Display made up of 2 digits with Leds of 7 segments (Optional: LCD and TFT display)
<b>SAFETY:</b>	Emergency light and telephone

#### LANDING OPERATING PANEL

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds. (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>ENGRAVING:</b>	Black logo (done with laser)

#### CONTROLLER

<b>TYPE:</b>	Via Serie controller and inverter. Down collective or Pick-up
<b>LOCATION:</b>	In the machine room, located at the top

#### ELECTRIC INSTALLATION

	Pre-assembled with "Plug & Play" connectors
--	---

#### MACHINE

	Gearless. Permanent maGO with thermal protection for motor. Rescue operation: Automatic rescue in addition to emergency electrical operation
--	--

#### BUFFERS

	Made from polyurethane with a metal pedestal included
--	---

#### GUIDE RAILS

	Cold-Drawn / Machined
	In accordance with ISO 7465
	Suspended

#### FIXINGS

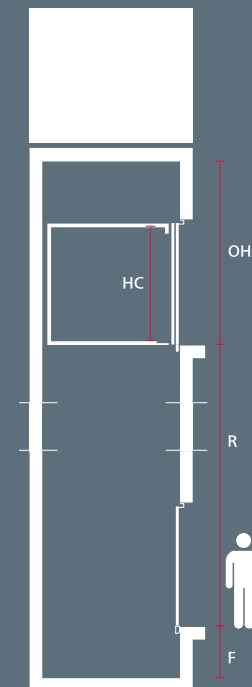
	Fixing brackets and plugs for concrete enclosure
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#### ELECTRICAL FEATURES

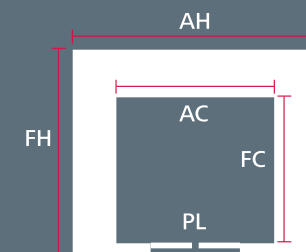
<b>POWER SUPPLY VOLTAGE:</b>	380 V three-phase 220 V, 400 V, 415 V three-phase
<b>LIGHTING VOLTAGE:</b>	220 V
<b>FREQUENCY:</b>	50 Hz (Optional: 60 Hz)

NOTE: Specifications correspond to the basic rate model.

#### DIAGRAM



#### STANDARD ENTRANCE



#### DOUBLE 180° ENTRANCE







Gearless



4 to 15 persons



320 to 1125 kg



With machine room



	C SERIES													
	4	4	5	5	6	6	8	8	10	10	13	13	15	15
Capacity (persons)	4	4	5	5	6	6	8	8	10	10	13	13	15	15
Speed (m/s)	1	1,6	1	1,6	1	1,6	1	1,6	1	1,6	1	1,6	1	1,6
Starts per hour	180	180	180	180	180	180	180	180	180	180	180	180	180	180
Power (HP/ kW)	4/3	4,5/3,4	4/3	7,7/5,8	5,4/4	7,7/5,8	6,8/5	10,3/7,7	8,2/6,1	13,2/9,8	9,5/7,1	17,3/12,8	10,8/8	17,3/12,8
Current (A)	9,1	11	9,1	17,3	11,2	17,3	14,1	21,3	17,3	27,9	17,6	34,9	21,3	34,9
Q capacity (kg)	320	320	375	375	450/480	450/480	630	630	750/800	750/800	1000	1000	1125	1125
PL clear opening (mm)	700	700	800	800	800	800	900	900	1000	1000	900	900	1000	1000
AC car width (mm)	800	800	950	950	1000	1000	1100	1100	1200	1200	1100	1100	1200	1200
FC car depth (mm)	1100	1100	1050	1050	1250	1250	1400	1400	1500	1500	2100	2100	2150	2150
HC useful internal car height (mm)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1350	1350	1500	1500	1550	1550	1650	1650	1800	1800	1650	1650	1800	1800
FH shaft depth (mm)	1350	1350	1300	1300	1500	1500	1650	1650	1800	1800	2350	2350	2450	2450
F minimum pit (mm)	1050	1155	1050	1155	1050	1155	1050	1155	1050	1300	1050	1400	1050	1400
OH minimum headroom (mm)	4400	4400	3400	3600	3400	3600	3400	3650	3400	3650	3400	3650	3400	3650
No. ropes x diameter (mm)	4x6,5	4x8	5x6,5	5x8	6x6,5	6x8	6x6,5	6x6,5	7x6,5	7x6,5	8x6,5	8x6,5	9x6,5	9x6,5
Max. distance between brackets (mm)	3000	3000	3000	3000	3000	3000	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	T90-16	T90-16	T90-16	T90-16	T125-16	T125-16
Counterweight guide rails (sections of 5 m)	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T65-8	T65-8
Suspension	2:1	2:1	2:1	2:1	2:1	2:1	2:1	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	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	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.







## MP|V

 **Installations**  
A functional and strong classic

### Electric technology

With electric technology and a geared machine, the MP V has machine rooms to make easier the maintenance works.  
The proven versatility and the easy maintenance turn it into a reliable, efficient and economical lift.

Versatility and reliability







## PASSENGER LIFTS MP|V

### FEATURES

<b>TYPE:</b>	Electric lift
<b>LOAD:</b>	320 kg to 3000 kg
<b>CAPACITY:</b>	4 to 40 persons
<b>SPEED:</b>	1 m/s and 1.6 m/s
<b>SUSPENSION:</b>	1:1 and 2:1
<b>TRAVEL RANGE:</b>	Up to 45 m
<b>STOPS:</b>	16 stops
<b>ENTRANCES:</b>	Single entrance, double 180° entrance
<b>SERIES:</b>	"C" With a machine room

### CAR

<b>MODEL:</b>	D-100 with single beam photocell (Optional: curtain photocell) Jamb arrow direction (Optional: other car models, see catalogues)
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2100 mm. (Optional: other heights)

### CAR DOORS

<b>TYPE:</b>	Automatic: 2 side-opening panels. 3VF (Optional: other models)
<b>FINISH:</b>	Stainless steel (X02)
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)

### LANDING DOORS

<b>TYPE:</b>	Automatic: 2 side-opening panels (Optional: other models)
<b>FINISH:</b>	Epoxy RAL 7044
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)
<b>FIRE CLASSIFICATION:</b>	E120, EW60 according to EN 81-58 (Optional: other classifications)

### SHAFT

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table

### CAR OPERATING PANEL

<b>MODEL:</b>	Full-height
<b>FINISH:</b>	Plastic coated steel (Optional: Stainless steel X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit using Leds. (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>CAR INDICATOR:</b>	Display made up of 2 digits with Leds of 7 segments (Optional: LCD display)
<b>SAFETY:</b>	Emergency light and telephone

### LANDING OPERATING PANEL

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds. (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>ENGRAVING:</b>	Black logo (done with laser)

### CONTROLLER

<b>TYPE:</b>	Microbasic controller. Down collective or universal. (Optional: Via Serie)
<b>LOCATION:</b>	In the machine room, located at the top.

### ELECTRIC INSTALLATION

	Pre-assembled with "Plug & Play" connectors
--	---

### MACHINE

	Worm-ring reducer
	Rescue operation: manual, directly on the machine.

### BUFFERS

	Made from polyurethane with a metal pedestal included
--	---

### GUIDE RAILS

	Cold-Drawn / Machined
	In accordance with ISO 7465
	Suspended

### FIXINGS

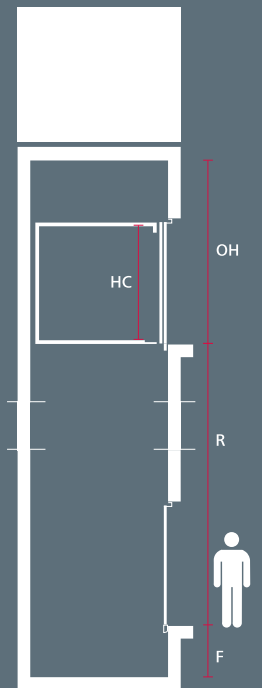
	Fixing brackets and plugs for concrete enclosure.
--	---

### ELECTRICAL FEATURES

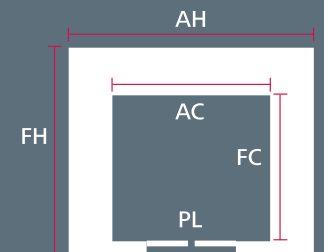
<b>POWER SUPPLY VOLTAGE:</b>	380 V three-phase
<b>LIGHTING VOLTAGE:</b>	220 V
<b>FREQUENCY:</b>	50 Hz (Optional: 60 Hz)

(\*) NOTE: Specifications correspond to the basic rate model.

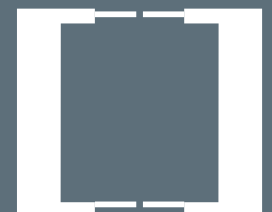
### DIAGRAM



### STANDARD ENTRANCE



### DOUBLE 180° ENTRANCE





Geared



4 to 21 persons



320 to 1600 kg



With machine room

	C SERIES												
	4	6	6	8	8	10	10	13	13	17	17	21	21
Capacity (persons)	4	6	6	8	8	10	10	13	13	17	17	21	21
Speed (m/s)	1	1	1,6	1	1,6	1	1,6	1	1,6	1	1	1	1,6
Starts per hour	120	120	120	120	120	180	180	180	180	180	180	180	180
Power (HP/kW)	5,5 / 4	7,5 / 5,5	12 / 8,9	9,5 / 7	16 / 11,9	12 / 8,9	19 / 14,1	16 / 11,9	25 / 18,6	18 / 13,4	20 / 14,9	21,8 / 16,2	27,2 / 20,2
Q capacity (kg)	320	450 / 480	450 / 480	630	630	750 / 800	750 / 800	1000	1000	1275	1275	1600	1600
PL clear opening (mm)	700	800	800	800	800	900	900	900	900	900	900	1300	1300
AC external car width (mm)	1000	1000	1000	1100	1100	1350	1350	1100	1100	1200	1200	1700	1700
FC external car depth (mm)	900	1200/1250	1200/1250	1400	1400	1400	1400	2100	2100	2300	2300	2000	2000
HC useful car height (mm)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1400	1525	1525	1550	1550	1800	1800	1750	1750	1800	1800	2500	2500
FH shaft depth (mm)	1350	1700	1700	1850	1850	1850	1850	2350	2350	2600	2600	2300	2300
F pit (mm)	1025	1025	1300	1025	1300	1025	1300	1025	1400	1025	1400	1400	1500
OH headroom (mm) (1)	3400	3400	3600	3400	3600	3400	3600	3400	3600	3400	3600	3400	3600
No. ropes x diameter (mm)	3 x 10	4 x 10	4 x 10	6 x 10	6 x 10	6 x 10	6 x 10	6 x 12	6 x 12	6 x 12	6 x 12	8 x 12	8 x 12
Distance between guide rails (mm)	1150	1150	1150	1250	1250	1500	1500	1250	1250	1350	1350	1900	1900
Max. distance between brackets (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
Car guide rail (sections of 5 m)	T70-9	T70-9	T70-9	T90-16	T90-16	T90-16	T90-16	T90-16	T90-16	T125-16	T125-16	T125-16	T125-16
Counterweight guide rail (sections of 5 m)	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T45-5	T65-8	T65-8	T65-8	T65-8
Suspension	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	2:1	2:1
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	E04	E04	E05	E04	E05	E04	E05	E04	E05	E04	E05	E09	E09

(1) Minimum headroom in accordance with EN 81-1 (without applying compensatory safety measures)

## NOTES:

- For a speed of 1,6 m/s and compliance with A3 Amendment. Please consult feasibility.
- The values included in this table correspond to pre-established conditions and may be modified, according to the specific characteristics of each installation.







Geared



26 to 40 persons



2000 to 3000 kg



With machine room

	C SERIES					
	26	26	33	33	40	40
Capacity (persons)	26	26	33	33	40	40
Speed (m/s)	1	1.6	1	1.6	1	1.6
Starts per hour	120	120	120	120	120	120
Power (HP)	24.5	40.8	28	40.8	28.5	50.3
Nominal Intensity (A)	36	64	36	64	49	76
Q capacity (kg)	2000	2000	2500	2500	3000	3000
PL clear opening (mm) (1)	1400	1400	1400	1400	1400	1400
AC car width (mm)	2000	2000	2000	2000	2100	2100
FC car depth (mm)	2100	2100	2500	2500	2700	2700
HC useful car height (mm)	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	2950	2950	2950	2950	3050	3050
FH shaft depth (mm)	2400	2400	2800	2800	3000	3000
PL clear opening (mm) (2)	1300	1300	1300	1300	1300	1300
AC car width (mm)	1500	1500	1800	1800	1900	1900
FC car depth (mm)	2700	2700	2700	2700	3000	3000
HC useful car height (mm)	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	2450	2450	2750	2750	2850	2850
FH shaft depth (mm)	3000	3000	3000	3000	3300	3300
F pit (mm)	1400	1500	1400	1500	1400	1500
OH headroom (mm) (3)	3600	3700	3600	3700	3600	3700
No. ropes x diameter (mm)	8 x 10	8 x 10	6 x 12	6 x 12	8 x 12	8 x 12
Distance between brackets (mm)	3000	3000	3000	3000	2500	2500
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
Counterweight guide rail (sections of 5 m)	65/54/8	65/54/8	70/65/9	70/65/9	70/65/9	70/65/9
Suspension	2:1	2:1	2:1	2:1	2:1	2:1
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	E-09	E-09	E-09	E-09	E-09	E-09

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

(1) Door type C4

(2) Door type T2

(3) Minimum headroom in accordance with EN 81-1 (without applying compensatory safety measures)

NOTES:

- For a speed of 1.6 m/s and compliance with A3 Amendment. Please consult feasibility.

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

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range







## MP|H

### Installations

Reliable adaptability

### Hydraulic lifts

This is the ideal solution for low-rise buildings and those with a medium-low level of traffic.

Flexible and adaptable, both for new buildings as well as for modernisations and refurbishments. Excellent performance in shaft and respectful in terms of environment (electronic valve).

Its adaptability enables to achieve maximum performance from reduced shaft spaces, allowing wide cars in small spaces.

Big cars in small spaces







PASSENGER LIFTS  
**MP|H**



**FEATURES**

<b>TYPE:</b>	Hydraulic lift
<b>LOAD:</b>	320 kg to 6000 kg for "C" Series and 320 kg to 1000 kg for "S" Series
<b>CAPACITY:</b>	4 to 86 persons
<b>SPEED:</b>	0.4 m/s, 0.63 m/s and 0.52 m/s
<b>TRAVEL RANGE:</b>	Up to 27m
<b>STOPS:</b>	10 stops
<b>ENTRANCES:</b>	Single entrance, double 180° entrance, double 90° entrance and triple entrance
<b>SERIES:</b>	"S" Machine roomless and "C" with machine room

**CAR**

<b>MODEL:</b>	D-100 with curtain photocell Jamb arrow direction  (Optional: other car models, see catalogues)
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2.100 mm (Optional: other heights)

**CAR DOORS**

<b>TYPE:</b>	Automatic: 2 side-opening panels. 3VF From 2000 kg on, 4-centre opening panels  (Optional: other models)
<b>FINISH:</b>	Stainless steel (X02)
<b>DIMENSIONS:</b>	See table x 2.000 mm (Optional: other heights)

**LANDING DOORS**

<b>TYPE:</b>	Automatic: 2 side-opening panels From 2000 kg on, 4-centre opening panels  (Optional: other models)
<b>FINISH:</b>	Epoxy RAL 7044
<b>DIMENSIONS:</b>	See table x 2.000 mm  (Optional: other heights)
<b>FIRE CLASSIFICATION:</b>	E120, EW60 according to EN 81-21  (Optional: other classifications)

**SHAFT**

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>HEADROOM:</b>	See table

**CAR OPERATING PANEL**

<b>MODEL:</b>	Full-height
<b>FINISH:</b>	Plastic coated steel (Optional: Stainless steel X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit using Leds  (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>CAR INDICATOR:</b>	Display made up of 2 digits with Leds of 7 segments  (Optional: LCD and TFT display)
<b>SAFETY:</b>	Emergency light and telephone

**LANDING OPERATING PANEL**

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds  (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>ENGRAVING:</b>	Black logo (done with laser)

**CONTROLLER**

<b>TYPE:</b>	Via Serie controller. Down collective or universal.
<b>LOCATION:</b>	In the machine room for "C" series; it may be located anywhere in the machine room. In the cabinet for "S" series. Epoxy finish  Recommended distance < 10 m

**ELECTRIC INSTALLATION**

Pre-assembled with "Plug & Play" connectors

**HYDRAULIC POWER UNIT**

Manometer - Motor thermistor Thermal contact for oil  
Electromechanical valve block MP sava3  
Manual pump. Oil  
(Optional: power unit with electronic valve)  
Automatic rescue

**JACK**

In 1 section up to 9800 mm travel range, 2 sections from 9800 mm upwards

**BUFFERS**

Made from polyurethane with a metal pedestal included

**GUIDE RAILS**

Cold-Drawn / Machined  
In accordance with ISO 7465

**FIXINGS**

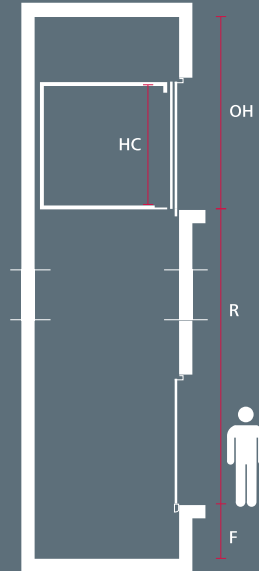
Fixing brackets and plugs for concrete enclosure

**ELECTRICAL FEATURES**

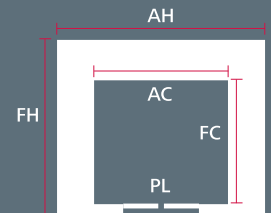
<b>VOLTAGE:</b>	380 V three-phase  (Optional: 380 V, 400 V, 415 V three-phase, 220 V single-phase)
<b>LIGHTING:</b>	220 V
<b>FREQUENCY:</b>	50 Hz  (Optional: 60 Hz)

NOTE: Specifications correspond to the basic rate model.

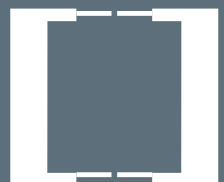
DIAGRAM



STANDARD ENTRANCE



DOUBLE 180° ENTRANCE



TRIPLE ENTRANCE





Hydraulic



4 to 13 persons



320 to 1000 kg



Machine room less

MP|H



## S SERIES

	4	5	6	8	10	13
Capacity (persons)	4	5	6	8	10	13
Speed (m/s)	0.63	0.63	0.63	0.63	0.52	0.52
Starts per hour	60	60	60	60	45	45
Power (HP/ kW)	10.5 / 7.7	10.5 / 7.7	13 / 9.5	15 / 11	17.5 / 13	20 / 14.7
Rated current (A)*	17.5	17.5	21.8	25	28.5	31
Q capacity (kg)	320	375	450 / 480	630	750 / 800	1000
PL clear opening (mm)	700	700	800	800	900	900
AC car width (mm)	800	950	1000	1100	1200	1100
FC car depth (mm)	1100	1050	1250	1400	1500	2100
HC useful car height (mm)	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1270	1370	1420	1520	1620	1600
FH shaft depth (mm)	1350	1300	1500	1650	1750	2350
F pit (mm)	(1) 1050 / 470	(1) 1050 / 470	1050	1050	1050	1300
OH headroom (mm)	(1) 3350 / 3020	(1) 3350 / 3020	3350	3350	3350	3350
S Cabinet Width x Depth x Height (mm) / type	800 x 390 x 1900 / MP pro-eco 1	800 x 390 x 1900 / MP pro-eco 1	800 x 390 x 1900 / MP pro-eco 1	800 x 390 x 1900 / MP pro-eco 1	970 x 600 x 2100 / MP pro-eco 2	970 x 600 x 2100 / MP pro-eco 2
Max. travel range (m) Hydraulic Power Unit C1 (max. speed = 0.63 m/s)	15	15	15	12	18	18
Nr. ropes and diameter (mm)	4 x 8	4 x 8	4 x 10	4 x 10	6 x 10	6 x 10
Jack: Number - Position	1 - side	1 - side	1 - side	1 - side	1 - side	1 - side
Distance between guide rails (mm)	750	750	950	1100	1200	1800
Max. distance between brackets (mm)	1500	1500	1500	1500	1500	1500
Car guide rails (sections of 5 m)	T70-70-9	T70-70-9	T70-70-9	T70-70-9	T70-70-9	T90-16
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	SCMH01	SCMH01	SCMH01	SCMH01	SCMH01	SCMH01

\* Current data for 400 V mains voltage.

(1) In accordance with EN 81-20 (without compensatory safety measures) / In accordance with EN 81-21

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

Please see specifications for 1.0 m/s hydraulic lifts.

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range



Hydraulic



4 to 20 persons



320 to 1500 kg



With machine room



	C SERIES							
	4	5	6	8	10	13	17	20
Capacity (persons)	4	5	6	8	10	13	17	20
Speed (m/s)	0.63	0.63	0.63	0.63	0.52	0.52	0.52	0.52
Starts per hour	60	60	60	60	60	45	45	45
Power (HP / kW)	10.5 / 7.7	10.5 / 7.7	13 / 9.5	15 / 11	17.5 / 13	20 / 14.7	27 / 19.8	40 / 25
Rated current (A)*	17.5	17.5	21.8	25	28.5	31	42	64
Q capacity (kg)	320	375	450/480	630	800	1000	1275	1500
PL clear opening (mm)	700	700	800	800	900	900	1000	1000
AC car width (mm)	800	950	1000	1100	1200	1100	1700	1900
FC car depth (mm)	1100	1050	1250	1400	1500	2100	1500	1750
HC useful car height (mm)	2100	2100	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1270	1370	1420	1520	1620	1600	2500	2700
FH shaft depth (mm)	1350	1300	1500	1650	1750	2350	1950	2050
F pit (mm)	(1) 1050 / 470	(1) 1050 / 470	1050	1050	1050	1300	1300	1300
OH headroom (mm)	(1) 3350 / 3020	(1) 3350 / 3020	3350	3350	3350	3350	3600	3600
Nr. ropes and diameter (mm)	4 x 8	4 x 8	4 x 10	4 x 10	6 x 10	6 x 10	5 x 12	5 x 12
Jack: Number - Position	1 - side	1 - side	1 - side	1 - side	1 - side	1 - side	1 - side	1 - side
Distance between guide rails (mm)	750	750	950	1100	1200	1800	1900	2100
Max. distance between brackets (mm)	1500	1500	1500	1500	1500	1500	1500	1500
Car guide rails (sections of 5 m)	T70-70-9	T70-70-9	T70-70-9	T90-16	T90-16	T90-16	T125-16	T125-16
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
design dossier	H06/H01	H06/H01	H06/H01	H06/H01	H06/H01	H06/H01	H07/H02	H07/H02

\* Current data for 400 V mains voltage.  
Please see specifications for 1.0 m/s hydraulic lifts.

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

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range





Hydraulic



26 to 86 persons



2000 to 6500 kg



With machine room

MP | H



	C SERIES									
	26	33	40	46	53	60	66	73	80	86
Capacity (persons)	26	33	40	46	53	60	66	73	80	86
Speed (m/s)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0,4
Starts per hour	30	30	30	30	30	30	30	30	30	30
Power (HP / kW)	40 / 29,44	54 / 39,74	54 / 39,74	70 / 51,52	80 / 58,9	80 / 58,9	80 / 58,9	70 / 51,52	80 / 58,9	80 / 58,9
Rated current (A)*	64	84	94	117.9	134	134	134	117.9	134	134
Q capacity (kg)	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500
PL clear opening C4 (mm)	1400	1400	1800	1800	1800	1800	1800	1800	1800	1800
AC car width (mm)	2000	2000	2300	2500	2600	2600	2600	2600	2600	2600
FC car depth (mm)	2100	2500	2500	2600	2800	3100	3400	3700	4000	4300
HC useful internal car height (mm)	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180
AH shaft width (mm) suspension 1:1	2800	2800	3100	3300	3400	3400	3400	3400	3400	3400
AH shaft width (mm) suspension 2:1	2900	2900	3200	3400	3500	3500	3500	3500	3500	3500
FH shaft depth (mm)	2450	2850	2850	2950	3150	3450	3750	4050	4350	4650
PL clear opening C4 (mm)	1400	1400	1800	1800	1800	1800	1800	1800	1800	1800
AC car width (mm)	1500	1800	2100	2100	2100	2100	2100	2300	2300	2300
FC car depth (mm)	2700	2700	2700	3100	3400	3700	4000	4100	4400	4700
HC useful internal car height (mm)	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180
AH shaft width (mm) suspension 1:1	2300	2600	2900	2900	2900	2900	2900	3100	3100	3100
AH shaft width (mm) suspension 2:1	2400	2700	3000	3000	3000	3000	3000	3200	3200	3200
FH shaft depth (mm)	3072	3072	3072	3472	3772	4072	4372	4472	4772	5072
F pit (mm)	1400	1400	1200	1400	1400	1400	1400	1400	1400	1400
OH headroom (mm)	3700	3700	4000	4000	4000	4000	4000	4000	4000	4000
Nr. ropes and diameter (mm)	5 x 10	6 x 10	6 x 10	6 x 12	6 x 12	8 x 12	8 x 12	8 x 12	8 x 12	6 x 13
Jack: Number - Position	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side
Distance between guide rails (mm)	AC + 200	AC + 200	AC + 200	AC + 200	AC + 200	AC + 200	AC + 200	AC + 200	AC + 200	AC+200
Max. distance between brackets (mm)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Car guide rails (sections of 5 m)	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16	1405/82/16	140/82/16	140/82/16	140/82/16
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
design dossier	H04/H07	H04/H07	H04/H07	H04/H07	H04/H07	H04/H07	H04/H07	H04/H07	H04/H07	H04/H07

\* Current data for 400 V mains voltage.

For double 180° entrance FH + 75 mm  
Shaft depths with 30 mm door overhangNOTE: The values included in this table correspond to pre-established conditions and may be modified,  
according to the specific characteristics of each installation.Configuration 1:1 for travel ranges ≤ 3 m  
Configuration 2:1 for travel ranges > 3 m

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range





## MP|ARES

### Refurbishment work

Solutions for buildings without lift

#### MP flexibility

It avoids complicated work on the existing building structure as, thanks to the novel SAB safety system (patented by MP), it requires minimum pit and headroom dimensions, thus avoiding annoying and expensive work. This hydraulic lift can be adapted to difficult shafts or of complex geometry, complying with the most demanding safety levels which the European regulation for new lifts in existing buildings requires.

MP Ares can also be adapted to self-supporting modular structures.

Technology serving people







PASSENGER LIFTS  
**MP|ARES**



**FEATURES**

<b>TYPE:</b>	Hydraulic lift
<b>LOAD:</b>	180 kg to 630 kg
<b>CAPACITY:</b>	2 to 8 persons
<b>SPEED:</b>	0.63 m/s
<b>TRAVEL RANGE:</b>	Up to 23 m
<b>STOPS:</b>	6 stops
<b>SERIES:</b>	"C" With machine room and "S" machine roomless
<b>ENTRANCES:</b>	Single entrance, double 180° entrance, double 90° entrance and triple entrance

**CAR**

<b>MODEL:</b>	D-100 with curtain photocell Jamb arrow direction  (Optional: other car models, see catalogues)
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2100 mm  (Optional: other heights)

**CAR DOORS**

<b>TYPE:</b>	Automatic: 2 side-opening panels. 3VF  (Optional: other models)
<b>FINISH:</b>	Stainless steel (X02)
<b>DIMENSIONS:</b>	See table x 2000 mm  (Optional: other heights)

**LANDING DOORS**

<b>TYPE:</b>	Automatic: 2 side-opening panels.  (Optional: other models)
<b>FINISH:</b>	Epoxy RAL 7044  (Optional: Stainless steel X02)
<b>DIMENSIONS:</b>	See table x 2000 mm  (Optional: other heights)
<b>FIRE CLASSIFICATION ACCORDING TO EN 81-51:</b>	E120, EW60  (Optional: other classifications)

**SHAFT**

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>SAFETY FREE VERTICAL DISTANCE:</b>	See table

**CAR OPERATING PANEL**

<b>MODEL:</b>	Full-height
<b>FINISH:</b>	Plastic coated steel  (Optional: Stainless steel (X02))
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit using Leds  (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>CAR INDICATOR:</b>	Display made up of 2 digits with Leds of 7 segments  (Optional: LCD and TFT display)
<b>SAFETY:</b>	Emergency light and telephone

**LANDING OPERATING PANEL**

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds  (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>ENGRAVING:</b>	Black logo (done with laser)

**CONTROLLER**

<b>TYPE:</b>	Via Serie controller. Down collective or universal
<b>LOCATION:</b>	Free location in the machine room for "C" series.  In the cabinet for "S" series. Epoxy finish  Recommended distance < 10 m

**ELECTRIC INSTALLATION**

	Pre-assembled with "Plug & Play" connectors
--	---

**HYDRAULIC POWER UNIT**

	Manometer - Motor thermistor Thermal contact for oil
	Electromechanical valve block MP sava3
	Manual pump. Oil
	Automatic rescue

**JACK**

	In 1 section up to 9800 mm travel range, 2 sections from 9800 mm upwards
--	--

**BUFFERS**

	Made from polyurethane with a metal pedestal included
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**GUIDE RAILS**

	Cold-Drawn / Machined In accordance with ISO 7465
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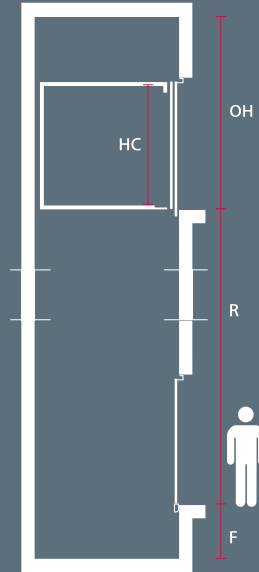
**FIXINGS**

	Fixing brackets and plugs for concrete enclosure
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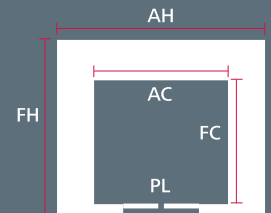
**ELECTRICAL FEATURES**

<b>POWER SUPPLY VOLTAGE:</b>	380 V three-phase  (Optional: 380 V , 400 V, 415 V three-phase, 220 V single-phase)
<b>LIGHTING VOLTAGE:</b>	220 V
<b>FREQUENCY:</b>	50 Hz  (Optional: 60 Hz)

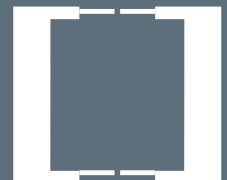
DIAGRAM



STANDARD ENTRANCE



DOUBLE 180° ENTRANCE



TRIPLE STANDARD ENTRANCE



NOTE: Specifications correspond to the basic rate model.



Hydraulic



2 to 8 persons



180 to 630 kg



With and machine roomless



	S and C SERIES					
	2	3	4	5	6	8
Capacity (persons)	2	3	4	5	6	8
Speed (m/s)	0.63	0.63	0.63	0.63	0.63	0.63
Starts per hour	60	60	60	60	60	60
Power (HP / kW)	8 / 6	8 / 6	10. / 7.7	10.5 / 7.7	13 / 9.5	15 / 11
Current (A)*	14.5	14.5	17.5	17.5	21.8	25
Q capacity (kg)	150 / 180	225	320	375 / 400	450 / 480	630
PL clear opening (mm)	600	600	600	700	800	800
AC car width (mm)	700	700	800	950	1000	1100
FC car depth (mm)	820	900	1100	1050	1250	1400
HC useful internal car height (mm)	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1100	1100	1200	1350	1420	1500
FH shaft depth (mm)	1020	1100	1350	1300	1500	1650
F minimum pit (mm) (1)	1025 / 315	1025 / 315	1025 / 315	1025 / 315	1025 / 315	1025 / 315
OH minimum headroom (mm) (2)	4400/ 2715	4400 / 2715	3400 / 715	3400 / 2715	3400 / 2715	3400 / 2715
No. ropes and diameter (mm)	4 x 8	4 x 8	4 x 8	4 x 8	4 x 8	4 x 8
Jack: Number - Position	1 - side	1 - side	1 - side	1 - side	1 - side	1 - side
Distance between guide rails (mm)	550	550	550	700	700	900
Max. distance between brackets (mm)	1500	1500	1500	1500	1500	1500
Car guide rails	T70-70-9	T70-70-9	T70-70-9	T70-70-9	T70-70-9	T70-70-9
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
EC-type examination	0056/AEH/0051	0056/AEH/0051	0056/AEH/0051	0056/AEH/0051	0056/AEH/0051	0056/AEH/0051

\* Current data for 400 V mains power

(1) In accordance with EN 81-20 (without compensatory safety measures) / In accordance with EN 81-21

(2) In accordance with EN 81-20 (without compensatory safety measures) / In accordance with EN 81-21 (optional 2475 mm headroom with sliding folding door (Bus))

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







BED Lifts









## BED LIFTS

### Innovation in the interest of well-being

Vertical transport  
for stretchers and beds

The work carried out in these buildings involves a series of very specific requirements and specifications to be taken into account when installing a lift.

If, in these cases, size and passenger comfort are important, aspects such as agility, freedom of movement, reliability and hygiene may be quite literally a matter of life or death.

When the response capacity to offer solutions becomes a matter of life or death.







## BED LIFTS

### Technology

INNOVATIONS FOR HEALTH

BED lifts is the optimum solution for the vertical transport of beds and stretchers, whatever the specific needs may be.

The range includes various options which can be adapted to all kinds of requirements such as the usefulness of the product, the space necessary, load capacity and even the accuracy required. Our guidance guarantees you will make the best choice in terms of your requirements. And it goes without response, in compliance with current regulations.

### Electric and Impulsion Technology

Choosing between various options in terms of electric / impulsion technology will depend on variables related to the intended use of the lift, such as number of stops, level of traffic, capacity etc.

Making the right choice, in this regard, will provide optimum accuracy for the lift in terms of stop level. This translates into an improved response in terms of performance and comfort.

ELECTRIC	
H (hydraulic)	G (Gearless)
0,5 m/s	1,0 m/s 1,6 m/s

MODELS	CAPACITY
CA 60	1000 kg
CR 90	1275 kg
CH 90	1600 kg
CH 100	2000 kg
CH 100-IM	2500 kg

Innovation for health



## Cars

### OPTIONS FOR INTERNAL FITTINGS

#### Finishes adapted to each requirement

In terms of the BED lifts, the car options are much more than simply a question of aesthetics. The finishes have been selected to achieve more practical and long-lasting interiors. They also offer additional advantages in terms of aspects such as hygiene, patient comfort and ease of cleaning. You can choose between three car models, which bring together different options.



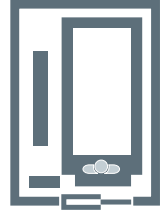
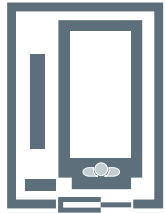

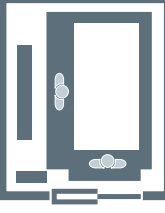
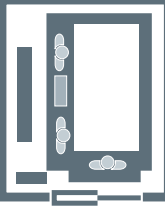
ION-X

WALLS: AISI304.X01 satin-finish stainless steel  
 PROTECTION OF WALLS: Plastic plates  
 FLOOR: Non-skid rubber in dappled colours / grooved plate  
 CANOPY: Lighting through florescent tubes.  
 Car soffit in satin-finish stainless steel xo1, a design which shields patients' eyes from direct light.  
 MIRROR: no.  
 HANDRAILS: 1 tubular handrail at the back  
 SKIRTING AND ENTRANCES: Xo1 stainless steel



SKANNER

WALLS: White K01 plastic coated steel  
 PROTECTION OF WALLS: Plastic plates  
 FLOOR: Non-skid rubber in dappled colours  
 CANOPY: Lighting through florescent tubes. Car soffit in satin-finish stainless steel xo1, a design which shields patients' eyes from direct light.  
 MIRROR: no.  
 HANDRAILS: 1 tubular handrail at the back  
 SKIRTING AND ENTRANCES: Xo1 stainless steel

<p>CA 60</p> 	<p>STRETCHERS WITH A 600 mm REMOVIBLE HANDBAR.</p> <p>Car width 1100 mm and car depth 2100 mm.</p>
<p>CR 90</p> 	<p>BEDS IN RESIDENCES 900X2000 mm.</p> <p>Car width 1200 mm. The passenger may only go at the head or at the foot of the bed.</p>
<p>CH90</p> 	<p>HOSPITAL BEDS 900X2000 mm.</p> <p>Car width 1400 mm. This allows a second passenger to go at the side of the bed.</p>
<p>CH 100</p> 	<p>HOSPITAL BEDS 1000x2300 mm.</p> <p>Car width 1500 mm. This allows passengers to go at the side and at the front of the bed.</p>
<p>CH 100-IM</p> 	<p>HOSPITAL BEDS 1000x2300 mm.</p> <p>Car width 1800 mm. This allows for passengers and medical apparatus.</p>



## BED lifts

GEARLESS

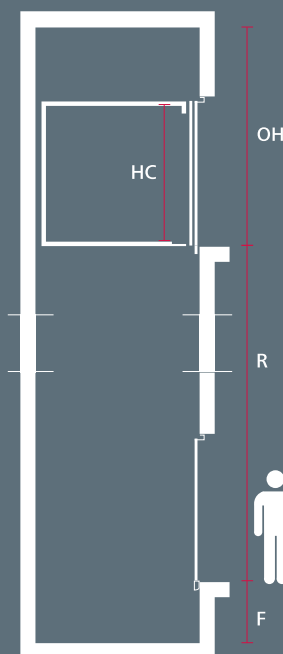
FEATURES	
TYPE:	Gearless Lift
LOAD:	1000 kg to 2500 kg
CAPACITY:	13 to 33 personas
SPEED:	1 m/s, 1.6 m/s and 2.5 m/s
SUSPENSION:	2:1
TRAVEL RANGE:	Up to 45 m (for a speed of 1 and 1.6 m/s) and 90 m (for a speed of 2.5 m/s)
STOPS:	16 stops (for a speed of 1 and 1.6 m/s) and 32 stops (for a speed of 2.5 m/s)
ENTRANCES:	Single entrance, double 180° entrance
SERIES:	"S" Machine room less and "C" with machine room
CAR	
MODEL:	SKANNER with single beam photocell (Optional: curtain photocell) Jamb arrow direction (Optional: other car models, see catalogues)
EXTERIOR DIMENSIONS:	See table
HEIGHT:	2100 mm (Optional: other heights)
CAR DOORS	
TYPE:	Automatic: 2 side-opening panels / 4 central-opening panels. 3VF (Optional: other models)
FINISH:	Stainless steel (X02)
DIMENSIONS:	See table x 2000 mm (Optional: other heights)

LANDING DOORS	
TYPE:	Automatic: 2 side-opening panels/ 4 central panels. (Optional: other models)
FINISH:	Epoxy RAL 7044
DIMENSIONS:	See table x 2000 mm (Optional: other heights)
FIRE CLASSIFICATION:	E120, EW60 according to EN 81-58 (Optional: other classifications)
SHAFT	
DIMENSIONS:	See table
PIT:	See table
HEADROOM:	See table
CAR OPERATING PANEL	
MODEL:	Full-height (column)
FINISH:	Stainless steel (X02)
PUHSBUTTON:	Mechanical, polycarbonate plastic, fireproof pushbutton lit using Leds (Optional: Mechanical, stainless steel pushbutton with halo lighting)
CAR INDICATOR:	LCD display (Optional: Display made up of 2 digits of Leds with 7 segments)
SAFETY:	Emergency light and telephone
LANDING OPERATING PANEL	
MODEL:	P001, door frames
FINISH:	Stainless steel plate (X02)
PUHSBUTTON:	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds. (Optional: Mechanical, stainless steel pushbutton with halo lighting)
ENGRAVING:	Black logo (done with laser)

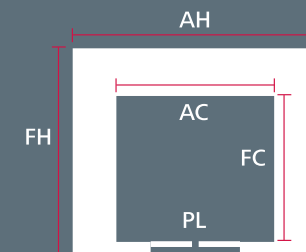
CONTROLLER	
TYPE:	Via Serie controller 3VF-DSP inverter. Down collective. (Optional: Microbasic)
LOCATION:	In the machine room, located at the shaft top for "C" series  In the cabinet on the top floor for "S" series. Epoxy finish
ELECTRIC INSTALLATION	
Pre-assembled with "Plug & Play" connectors	
MACHINE	
GEARLESS with permanent magnets.  Manual rescue operation directly on the machine for "C" series or manual rescue through unbalanced load / automatic for "S" series, depending on the model	
BUFFERS	
Made from polyurethane with a metal pedestal included	
GUIDE RAILS	
Cold-Drawn / Machined  In accordance with ISO 7465	
FIXINGS	
Fixing brackets and plugs for concrete enclosure	
ELECTRICAL FEATURES	
POWER SUPPLY VOLTAGE:	380 V three-phase  (Optional: 220 V, 400 V, 415 V three-phase)
LIGHTING VOLTAGE:	220 V
FREQUENCY:	50 Hz  (Optional: 60 Hz)

NOTE: Specifications correspond to the basic rate model.

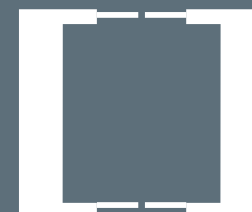
### DIAGRAM



### STANDARD ENTRANCE



### DOUBLE 180° ENTRANCE







Gearless



13 to 33 persons



1000 to 2500 kg



Machine room less

## BED LIFTS

	S SERIES									
Capacity (persons)	13	13	16	16	21	21	26	26	33	33
Speed (m/s)	1	1,6	1	1,6	1	1,6	1	1,6	1	1,6
Starts per hour	180	180	180	180	180	180	180	180	180	180
Power (HP)	9,5	17,4	13,9	17,7	19	27,2	21,8	35,4	21,8	40,8
Rated current (A)	18,9	31	29,7	33	42	53,5	43	68	43	80
Q capacity (kg)	1000	1000	1275	1275	1600	1600	2000	2000	2500	2500
PL clear opening (mm) <sup>(1)</sup>	(T2) 900	(T2) 900	(T2) 1000	(T2) 1000	(C4) 1300	(C4)1300	(C4) 1300	(C4) 1300	(C4) 1300	(C4) 1300
AC car width (mm)	1100	1100	1200	1200	1400	1400	1500	1500	1800	1800
FC car depth (mm)	2100	2100	2400	2400	2400	2400	2700	2700	2700	2700
HC car height (mm)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1700	1700	1800	1800	2400	2400	2450	2450	2750	2750
FH shaft depth (mm)	2450	2450	2750	2750	2750	2750	3050	3050	3050	3050
F pit (mm)	1200	1350	1200	1350	1400	1500	1400	1500	1400	1500
OH headroom (mm)	3600	3700	3600	3700	3700	3900	3700	3900	3700	3900
No. ropes x diameter (mm)	10 x 6,5	10 x 6,5	10 x 6,5	10 x 6,5	10 x 8	10 x 8	8 x 10	8 x 10	10 x 10	10 x 10
Distance between guide rails (mm)	1200	1200	1300	1300	1600	1600	1700	1700	2000	2000
Max. distance between brackets (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
Car guide rails	120/76/9	120/76/9	120/76/9	120/76/9	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16
Counterweight guide rails	65/54/8	70/70/9	70/70/9	70/70/9	65/54/8	70/70/9	65/54/8	70/70/9	70/65/9	70/70/9
Suspension	2:1	2:1	2:1	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	Concrete
Design dossier	ACIN3 1000	ACIN3 1000	ACIN3 1000	ACIN3 1000	SCMG-10NA	SCMG-10NA	SCMG-10NA	SCMG-10NA	SCMG-10NA	SCMG-10NA

For double 180° entrance, the shaft depth is increased to 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.



Gearless



13 to 33 persons



1000 to 2500 kg



With machine room

	C SERIES									
Capacity (persons)	13	13	16	16	21	21	26	26	33	33
Speed (m/s)	1	1,6	1	1,6	1	1,6	1	1,6	1	1,6
Starts per hour	180	180	180	180	180	180	180	180	180	180
Power (HP)	9,5	17,4	13,9	17,7	19	27,2	21,8	35,4	21,8	40,8
Rated current (A)	18,9	31	29,7	33	42	53,5	43	68	43	80
Q capacity (kg)	1000	1000	1275	1275	1600	1600	2000	2000	2500	2500
PL clear opening (mm) <sup>(1)</sup>	(T2) 1000	(T2) 1000	(T2) 1000	(T2) 1000	(C4) 1300	(C4) 1300	(C4) 1300	(C4) 1300	(C4) 1300	(C4)1300
AC car width (mm)	1100	1100	1200	1200	1400	1400	1500	1500	1800	1800
FC car depth (mm)	2100	2100	2400	2400	2400	2400	2700	2700	2700	2700
HC car height (mm)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1900	1900	2050	2050	2250	2250	2400	2400	2700	2700
FH shaft depth (mm)	2400	2400	2700	2700	2700	2700	3000	3000	3000	3000
F pit (mm)	1200	1350	1200	1350	1200	1350	1400	1500	1400	1500
OH headroom (mm)	3600	3700	3600	3700	3600	3700	3600	3700	3600	3700
No. ropes x diameter (mm)	10 x 6,5	10 x 6,5	8 x 8	8 x 8	10 x 8	10 x 8	8 x 10	8 x 10	10 x 10	10 x10
Distance between guide rails (mm)	1200	1200	1400	1400	1600	1600	1700	1700	2000	2000
Max. distance between brackets (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
Car guide rails	120/76/9	120/76/9	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16	125/82/16
Counterweight guide rails	65/54/8	70/70/9	65/54/8	70/70/9	65/54/8	70/70/9	65/54/8	70/70/9	70/65/9	70/70/9
Suspension	2:1	2:1	2:1	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	Concrete
Design dossier	E-9	E-9	E-9	E-9	E-9	E-9	E-9	E-9	E-9	E-9

For double 180° entrance, the shaft depth is increased to 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.

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range



Gearless



13 to 33 persons



1000 to 2500 kg



Machine room less

## BED LIFTS

	S SERIES				
	13	16	21	26	33
Capacity (persons)	13	16	21	26	33
Speed (m/s)	2,5	2,5	2,5	2,5	2,5
Starts per hour	180	180	180	180	180
Power (HP)	27,2	43,5	43,5	57,1	57,1
Rated current (A)	53	80	80	103	103
Q capacity (kg)	1000	1275	1600	2000	2500
PL clear opening (mm) <sup>(1)</sup>	(T2) 900	(T2) 1000	(C4) 1300	(C4) 1300	(C4) 1300
AC car width (mm)	1100	1200	1400	1500	1800
FC car depth (mm)	2100	2400	2400	2700	2700
HC car height (mm)	2100	2100	2100	2100	2100
AH shaft width (mm)	1850	1950	2250	2250	2550
FH shaft depth (mm)	2400	2700	2700	3000	3000
F pit (mm)	1700	1700	1700	1700	1700
OH headroom (mm)	5100	5100	5100	5100	5100
No. ropes x diameter (mm)	4 x 10	4 x 10	4 x 10	4 x 10	4 x 10
Distance between guide rails (mm)	1300	1400	1600	1700	2000
Max. distance between brackets (mm)	3000	3000	3000	3000	3000
Counterweight guide rails	125/82/16	125/82/16	125/82/16	125/82/16	127/89/16
Suspension	82/68/9	82/68/9	82/68/9	82/68/9	82/68/9
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	MPGO!ONE	MPGO!ONE	MPGO!ONE	MPGO!ONE	MPGO!ONE

For double 180° entrance, the shaft depth is increased to 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.

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range







Gearless



13 to 33 persons



1000 to 2500 kg



With machine room

## BED LIFTS

	SERIE C				
	13	17	21	26	33
Capacity (persons)	13	17	21	26	33
Speed (m/s)	2,5	2,5	2,5	2,5	2,5
Starts per hour	180	180	180	180	180
Power (HP)	27,2	43,5	43,5	57,1	57,1
Rated current (A)	53	80	80	103	103
Q capacity (kg)	1000	1275	1600	2000	2500
PL clear opening (mm) <sup>(1)</sup>	(T2) 900	(T2) 1000	(C4) 1300	(C4) 1300	(C4) 1300
AC car width (mm)	1100	1200	1400	1500	1800
FC car depth (mm)	2100	2300	2400	2700	2700
HC car height (mm)	2100	2100	2100	2100	2100
AH shaft width (mm)	1850	2050	2250	2250	2550
FH shaft depth (mm)	2400	2600	2700	3000	3000
F pit (mm)	1700	1700	1700	1700	1700
OH headroom (mm)	4100	4100	4100	4100	4100
No. ropes x diameter (mm)	4 x 10	5 x 10	6 x 10	8 x 10	10 x 10
Distance between guide rails (mm)	1300	1400	1600	1700	2000
Max. distance between brackets (mm)	3000	3000	3000	3000	3000
Counterweight guide rails	125/82/16	125/82/16	125/82/16	125/82/16	127/89/16
Suspension	82/68/9	82/68/9	82/68/9	82/68/9	82/68/9
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	MPGO!ONE	MPGO!ONE	MPGO!ONE	MPGO!ONE	MPGO!ONE

For double 180° entrance, the shaft depth is increased to 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.

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range



## BED lifts

HYDRAULIC

### FEATURES

<b>TYPE:</b>	Hydraulic lift
<b>LOAD:</b>	1000 kg to 2500 kg
<b>CAPACITY:</b>	13 to 33 personas
<b>SPEED:</b>	0.5 m/s
<b>TRAVEL RANGE:</b>	Up to 24 m
<b>STOPS:</b>	9 stops
<b>ENTRANCES:</b>	Single entrance, double 180° entrance
<b>SERIES:</b>	"S" Machine room less and "C" with machine room

### CAR

<b>MODEL:</b>	SKANNER with single beam photocell (Optional: curtain photocell)
	Jamb arrow direction.  (Optional: other car models, see catalogues)
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2100 mm (Optional: other heights)

### CAR DOORS

<b>TYPE:</b>	Automatic: 2 side-opening panels/ 4 Central -opening panels. 3VF. (Optional: other models)
<b>FINISH:</b>	Stainless steel (X02)
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)

### LANDING DOORS

<b>TYPE:</b>	Automatic: 2 side-opening panels Automatic: 4 central-opening panels (Optional: other models)
<b>FINISH:</b>	Epoxy RAL 7044
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)
<b>FIRE CLASSIFICATION:</b>	E120, EW60 according to EN 81-58 (Optional: other classifications)

### SHAFT

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>HEADROOM:</b>	See table

### CAR OPERATING PANEL

<b>MODEL:</b>	Full-height
<b>FINISH:</b>	Stainless steel (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit using Leds  (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>CAR INDICATOR:</b>	Display made up of 2 digits with Leds of 7 segments  (Optional: LCD display)
<b>SAFETY:</b>	Emergency light and telephone

### LANDING OPERATING PANEL

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds  (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>ENGRAVING:</b>	Black logo (done with laser)

### CONTROLLER

<b>TYPE:</b>	Microbasic controller. Down collective or Pick-up.  (Optional: Via Serie)
<b>LOCATION:</b>	In the machine room for "C" series; the machine room may be located wherever.  In the cabinet for "S" series. Epoxy finish Recommended distance < 10 metres

### ELECTRIC INSTALLATION

Pre-assembled with "Plug & Play" connectors

### HYDRAULIC POWER UNIT

	Manometer - Motor thermistor Thermal contact for oil
	Electromechanical block of valves MP sava3
	Hand pump. Oil
	Automatic rescue

### JACK

	1 side-jack for 1000, 1275 and 1600 kg 2 side-jacks for 2000 and 2500 kg
	In 1 section up to 9800 mm travel range, in 2 sections from 9800 mm upwards

### BUFFERS

Made from polyurethane with a metal pedestal included

### GUIDE RAILS

Cold-Drawn / Machined  
In accordance with ISO 7465

### FIXINGS

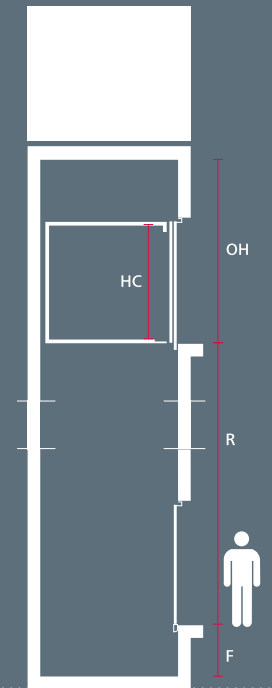
Fixing brackets and plugs for concrete enclosure

### ELECTRICAL FEATURES

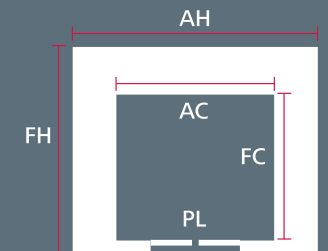
<b>POWER SUPPLY VOLTAGE:</b>	Three-phase 380 V
<b>LIGHTING VOLTAGE:</b>	220 V
<b>FREQUENCY:</b>	50 Hz

NOTE: Specifications correspond to the basic rate model.

### DIAGRAM



STANDARD ENTRANCE



DOUBLE 180° ENTRANCE







Hydraulic



13 to 33 persons



1000 to 2500 kg



With machine room and machine room less

## BED LIFTS

	C and S SERIES			C SERIES	
Capacity (persons)	13	17	21	26	33
Speed (m/s)	0,5	0,5	0,5	0,5	0,5
Starts per hour	45	45	45	45	45
Power (HP/ kW)	20/14,7	27/20	33/24	34/29	54/40
Rated current (A)	31	42	51	64	84
Q capacity (kg)	1000	1275	1600	2000	2500
PL clear opening (mm) <sup>(1)</sup>	(T2) 1000	(T2) 1100	(C4) 1300	(C4) 1300	(C4) 1300
AC car width (mm)	1100	1200	1400	1500	1800
FC car depth (mm)	2100	2300	2400	2700	2700
HC useful car height (mm)	2100	2100	2100	2100	2100
AH shaft width (mm)	1750	1850	2300	2400	2700
FH shaft depth (mm)	2400	2600	2700	3000	3000
F pit (mm)	1450	1400	1400	1400	1400
OH headroom (mm)	3600	3600	3600	3600	3600
Nr. ropes x diameter (mm)	6 x 10	6 x 10	4 x 10	5 x 10	6 x 10
Jack: Number - Position	1 - side	1 - side	2 - side	2 - side	2 - side
Distance between guide rails (mm)	1500	1500	1500	1700	2000
Max. distance between brackets (mm)	1500	1500	1500	1500	1500
Car guide rails (sections of 5 m)	125/82/16	125/82/16	90/75/16	90/75/16	125/82/16
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier for "C" Series (D.L./2:1)	H06/H01	H06/H01	H07/H02	H07/H02	H07/H02

Suspension 1:1 for travel ranges ≤ 3 m

Suspension 2:1 for travel ranges &gt; 3 m

(SE/DE): Simple Entrance / Double 180° Entrance

For double 180° entrance, the shaft depth is increased to 75 mm

Shaft depths with 30 mm door overhang

(1) According to the 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.

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range





GOODS LIFTS and  
CAR LIFTS







## GOODS LIFTS AND CAR LIFTS

## CAR LIFTS GOOD LIFTS

### Big solutions for big challenges

MP has developed a wide range of lifts to offer vertical high-load transport solutions, which can adapt perfectly to the various capacities and speeds which you may require.

Strength, capacity, space and technology are brought together in an attractive and modern design, becoming essential working tools for you.







## Load transport

Great capacity of load and response

When dealing with special cases, the solution must also be special. For this reason, MP has developed specific ranges of lifts aimed at the vertical transport of high-volume loads. Through this, we offer solutions adapted to the specific needs of these types of goods: strength, spaciousness and capacity are examples of basic characteristics.

Moreover, in this case, as with all of MP's lifts, flexibility is much higher than in a standard one. Therefore, two specifically developed ranges can be adapted perfectly to two types of needs: The CAR lift, designed for transporting cars, and the GOOD lift, developed for transporting load. Both options have specific details, extras and finishes in order to optimise the performance and efficiency of these lifts, destined to become essential tools for your work.



## GOODS LIFTS AND CAR LIFTS

## CAR LIFTS

At MP, we specialise in adaptability. For this reason, we develop products for very specific uses, such as the vertical transport of motor vehicles. Solutions which don't only go in search of reliability, but also take up the minimum amount of space in buildings. CAR LIFT is the ideal option for this type of requirement as it has been specially designed taking into account the specific characteristics of these kinds of loads.

Strength and aesthetics come together with the latest advances in technology to produce the CAR lift. This lift guarantees capacity, flexibility and efficiency.

**Flexibility, safety and efficiency**



# Advanced technology for greater comfort

With the MP PARKING lift, the latest technology and capacity have come together to achieve optimum results in terms of accuracy and efficiency.

IMPULSION	Hydraulic with a machine room. Suspension 1:1 and 2:1
CONTROLLER	This is electronic and uses a simple, universal microprocessor with the latest technology
EXCEPTIONAL LEVELLING	This is used to facilitate the entry and exit of vehicles
SPEED	0.2 m/s (standard). 0.5 m/s (optional)
EXCESS LOAD CONTROL	This is used to facilitate the entry and exit of vehicles. Loads of 3000, 3500, 4000 and 4500 kg (*)
AUTOMATIC DOORS	With VWF monitoring, 4 and 6 central panels with speed regulation

CAR DEPTHS	USE
MODEL CO: 4600 mm	For COMPACT vehicles
MODEL BE: 5500 mm	For SALOON vehicles
MODEL GB: 5850 mm	For LARGE SALOON vehicles
MODEL LM: 6000 MM	For LIMOUSINES

WIDTH AND HEIGHT OF DOORS
Automatic central doors with 4 or 6 panels for a more optimum use of the shaft.
Door clearance of between 2200 - 2500 mm (*)
Clear height of between 2000 - 2500 mm (*)

(\*) Please ask us for greater measurements. Customised studies may also be carried out by our engineering department.

SPECIAL OPTIONS	
INFRARED CURTAINS	Infrared curtains (recommended) Barrier with multiple photocells which allow for complete protection of the vehicle during entry and exit into and out of the car.
REMOTE CONTROLS	This means it's not necessary to get out of the car to call the lift.
INSPECTION TRAPS	These measure 350 x 500 mm and are located on the car roof.
AUTOMATIC RESCUE	Automatic rescue in the event of the mains power failing. Once the car is positioned automatically at the level of the floor, a device with a built-in battery opens the car and landing doors, allowing the vehicle to exit.
INTERCOM	An intercom which allows communication with the outside terminal at all times.
TRAFFIC LIGHTS	These mean that the movement of traffic entering and leaving the car park is smoother.
INTELLIGENT LIGHTING SYSTEM	Use of Led technology and time-control in order to achieve great savings in the energy used by the lift.
PROTECTION BANDS	Bumpers made from natural pine, rubber, which is either stainless or galvanised on the car's walls. These can be easily replaced.

CAR FINISHES						
WALLS				FLOORS		
FORTE-CAR cabin with a variety of finishes				Variety of materials and designs to choose from		
						

- 1.(G) Galvanised plate (standard)
- 2.(E) RAL Epoxy 7044 (beige)
- 3.(K) Plastic-coated steel
- 4.(X) Stainless steel
- 1. Grooved plate RAL 7044
- 2. Aluminium checker plate
- 3. Stainless steel

Double car control station module	Two control stations assembled diagonally which allow vehicles to enter the car in both directions. Stainless Steel pushbuttons assembled in a flush manner which are solid and vandal-proof. Position indicator and emergency light.
Landing control station with key	All the landing pushbuttons are keys which record calls from authorized persons.
Permanent two-way telephone (95/16/EC)	This allows communication with a rescue service in the event of breakdown.
Flush lighting	This uses fluorescent lighting and is at the same diaphanous height throughout the car.





## CAR lifts

### FEATURES

<b>TYPE:</b>	Hydraulic lift
<b>LOAD:</b>	3000 kg to 4500 kg
<b>SPEED:</b>	0.2 m/s (Optional: 0.5 m/s)
<b>SUSPENSION:</b>	1:1 and 2:1
<b>TRAVEL RANGE:</b>	Up to 12 m
<b>STOPS:</b>	5 stops
<b>ENTRANCES:</b>	Single entrance, double 180° entrance
<b>SERIES:</b>	"C" With a machine room

### CAR

<b>MODEL:</b>	FORTE-CAR in galvanised plate with a single-beam photocell. (Optional: curtain photocell)
	Jamb arrow direction
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2180 mm (Optional: other heights)

### CAR DOORS

<b>TYPE:</b>	Automatic: 4 or 6 centre-opening panels. 3VF
<b>FINISH:</b>	Epoxy
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)

### LANDING DOORS

<b>TYPE:</b>	Automatic: 4 or 6 centre-opening panels
<b>FINISH:</b>	Epoxy
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)
<b>FIRE CLASSIFICATION:</b>	E120, according to EN 81-58 (Optional: other classifications)

### SHAFT

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>HEADROOM:</b>	See table

### CAR OPERATING PANEL

<b>MODEL:</b>	Full-height control station Stainless steel (XO2)
<b>PUHSBUTTON:</b>	Stainless Steel mechanical pushbutton with the halo lit up and with numbers included in Braille
<b>CAR INDICATOR:</b>	Display made up of 2 digits of Leds with 7 segments (Optional: LCD display)
<b>SAFETY:</b>	Emergency light and telephone

### LANDING OPERATING PANEL

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (XO2)
<b>PUHSBUTTON:</b>	Stainless Steel mechanical pushbutton with the halo lit up and with a key
<b>ENGRAVING:</b>	Black logo (done with laser)

### CONTROLLER

<b>TYPE:</b>	Microbasic controller. Down collective or pick-up (Optional: Via Serie)
<b>LOCATION:</b>	In the machine room; it may be located anywhere in the machine room

### ELECTRICAL INSTALLATION

Pre-assembled with "Plug & Play" connectors

### HYDRAULIC POWER UNIT

Motor Manometer-Thermistor Thermal contact for oil  
Electromechanical valve block MP sava3  
Manual pump. Oil  
Automatic rescue

### JACK

In 1 section up to 9800 mm of travel range; from 9800 mm, in 2 sections

### BUFFERS

Made from polyurethane with a metal pedestal included

### GUIDE RAILS

Cold-drawn / machined  
In accordance with ISO 7465  
Bracketed

### FIXINGS

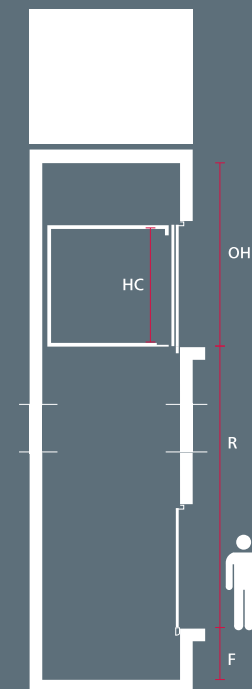
Fixing brackets and plugs for concrete enclosure

### ELECTRICAL FEATURES

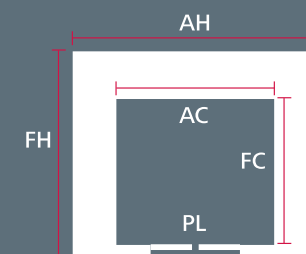
**VOLTAGE:** 380 V three-phase  
(Optional: 220 V, 400 V, 415 V three-phase)  
**LIGHTING VOLTAGE:** 220 V  
**FREQUENCY:** 50 Hz  
(Optional: 60 Hz)

NOTE: Specifications correspond to the basic rate model.

### DIAGRAM



### STANDARD ENTRANCE



### DOUBLE 180° ENTRANCE





Hydraulic



3000 to 4500 kg



With machine room

## CAR LIFTS

C SERIES								
	3000		3500		4000		4500	
Q capacity (kg)	3000		3500		4000		4500	
Maximum area (m <sup>2</sup> )	10,64		12,64		14,64		16,64	
Speed (m/s)	0,2		0,2		0,2		0,2	
Starts per hour	17		17		17		17	
Power (HP/kW)	27/20		27/20		33/24		40/29	
Type of entrance	Single	2 x 180	Single	2 x 180	Single	2 x 180	Single	2 x 180
PL clear opening C4 (mm)	2200		2200		2400		2500	
Door height (mm)	2000		2000		2000		2100	
AC car width (mm)	2300		2300		2500		2700	
FC car depth (mm)	4600		5450		5850		6000	
HC useful car height (mm)	2180		2180		2180		2280	
AH shaft width (mm)	3510		3510		3810		3960	
FH shaft depth (mm)	4850	4980	5700	5830	6100	6230	6250	6380
PL clear opening C6 (mm)	2200		2200		2400		2500	
Door height (mm)	2000		2000		2000		2100	
AC car width (mm)	2300		2300		2500		2700	
FC car depth (mm)	4600		5450		5850		6000	
HC useful car height (mm)	2180		2180		2180		2280	
AH shaft width (mm)	3100		3100		3350		3550	
FH shaft depth (mm)	4890	5070	5740	5920	6140	6320	6290	6470
F pit (mm)	1400		1400		1400		1400	
OH headroom (mm)	3600		3600		3600		3600	
Jack: Number - Position	2 - side		2 - side		2 - side		2 - side	
Distance between guide rails (mm)	2500		2500		2700		2900	
Max. distance between brackets	1500		1500		1500		1500	
Car guide rails (sections of 5 m)	90/75/16		90/75/16		90/75/16		90/75/16	
Shaft enclosure	Concrete		Concrete		Concrete		Concrete	
Design dossier (1:1)	H08		H08		H08		H08	

SUSPENSION 1:1 for TRAVEL RANGES ≤ 3 m  
Shaft depths with 30mm door overhang

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

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range

C SERIES								
	3000		3500		4000		4500	
Q capacity (kg)	3000		3500		4000		4500	
Maximum area (m <sup>2</sup> )	10,64		12,64		14,64		16,64	
Speed (m/s)	0,2		0,2		0,2		0,2	
Starts per hour	17		17		17		17	
Power (HP/kW)	27/20		27/20		33/24		40/29	
Type of entrance	Simple	2 x 180	Simple	2 x 180	Simple	2 x 180	Simple	2 x 180
PL clear opening C4 (mm)	2200		2200		2400		2500	
Door height (mm)	2000		2000		2000		2100	
AC car width (mm)	2300		2300		2500		2700	
FC car depth (mm)	4600		5450		5850		6000	
HC useful car height (mm)	2180		2180		2180		2280	
AH shaft width (mm)	3510		3510		3810		3960	
FH shaft depth (mm)	4850	4980	5700	5830	6100	6230	6250	6380
PL clear opening C6 (mm)	2200		2200		2400		2500	
Door height (mm)	2000		2000		2000		2100	
AC car width (mm)	2300		2300		2500		2700	
FC car depth (mm)	4600		5450		5850		6000	
HC useful car height (mm)	2180		2180		2180		2280	
AH shaft width (mm)	3100		3100		3350		3550	
FH shaft depth (mm)	4890	5070	5740	5920	6140	6320	6290	6470
F pit (mm)	1400		1400		1400		1400	
OH headroom (mm)	3600		3600		3600		3600	
Jack: Number - Position	2 - lateral		2 - lateral		2 - lateral		2 - lateral	
Distance between guide rails (mm)	2500		2500		2700		2900	
Max. distance between brackets	1500		1500		1500		1500	
Car guide rails (sections of 5 m)	90/75/16		90/75/16		90/75/16		90/75/16	
Shaft enclosure	Concrete		Concrete		Concrete		Concrete	
Design dossier (2:1)	H08		H08		H08		H08	

SUSPENSION 2:1 for TRAVEL RANGES > 3 m  
Shaft depths with 30mm door overhang

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

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range







## GOODS LIFTS

## GOOD LIFTS

### Solutions adapted to your pace of work

Because in our daily lives flexibility means profit, MP has designed the GOOD lifts range, aimed at offering solutions for the vertical transport of loads. A lift designed to withstand high levels of use, both in terms of frequency and volume. Its robust structure guarantees reliability when transporting large loads, a strength which is also flexible. Thus, a range of options means the GOOD lifts can be adapted to the requirements of a wide range of uses in all kinds of buildings, such as warehouses, hotels, factories, airports, supermarkets, large commercial establishments and hospitals.

Capacity and accuracy



# Advanced technology

It is possible to combine capacity and accuracy. The MP STRONGO lift incorporates the latest advances made in technology to guarantee the optimum functioning of the lift.

IMPULSION	Hydraulic with a machine room. Suspension 1:1 and 2:1 With electric using gearless technology or a geared machine
CONTROLLER	Electronic with a microprocessor. Universal or collective descent using the latest technology
EXCEPTIONAL LEVELLING	Designed to facilitate the loading and unloading of heavy goods
SPEED	0.2 m/s (hydraulic), 0.5, 1 and 1.6 m/s (gearless electric), 1 and 1.6 m/s (electric geared)
EXCESS LOAD CONTROL	This is used to facilitate the entry and exit of loads. Loads of between 1500 and 6500 kg
AUTOMATIC DOORS	With single-phase motorization or VVVF (optional)

TREMENDOUS FLEXIBILITY
Wide range in terms of loads. From 1500 to 6500 kg (*)
Flexible car dimensions. Width of between 1400 and 2600 mm. Depths of between 2000 and 4300 mm allow loads of various sizes and weights to be transported and even the use of an electric forklift.
Wide range of widths and heights for doors, which facilitate the loading and unloading of packages.
Automatic central doors with 4 or 6 panels for greater use of the shaft.
Door clearance of between 1300 - 2500 mm (*)
Clear height of door of between 2000 - 2500 mm (*)

(\*) Please ask us for greater measurements. Customised studies may also be carried out by our engineering department.

SPECIAL OPTIONS	
PROTECTION BANDS	Bumpers to protect walls. These can be easily replaced
INFRARED CURTAINS (RECOMMENDED)	Barrier with multiple photocells which allow total protection of the doors, thus facilitating loading and unloading
INSPECTION TRAPS	These measure 350 x 500 mm and are located on the roof of the car
INTELLIGENT LIGHTING	Use of Led technology and time-control in order to achieve great savings in the energy used by the lift

CAR FINISHES							
WALLS				FLOORS			
FORTE-CAR cabin with a variety of finishes				Variety of materials and designs to choose from			
							
1.(G) Galvanised plate (standard)	2.(E) RAL Epoxy 7044 (beige)	3.(K) Plastic-coated steel	4.(X) Stainless steel	1. Grooved plate RAL 7044	2. Non-skid rubber	3. Aluminium checker plate	4. Stainless brick steel

Sill types:	Select the most appropriate depending on the system and type of load to be transported: reinforced aluminium (standard), plate tubing, stainless steel tubing or solid plate.
Flush lighting:	This uses fluorescent tubes and is at the same diaphanous height throughout the car.
Vandal-resistant pushbuttons:	Stainless Steel pushbuttons assembled in a flush manner, which are solid and vandal-proof. These are mounted on a stainless steel plate.





## GOOD lifts

### FEATURES

<b>TYPE:</b>	Hydraulic lift Geared electric lift Gearless electric lift
<b>LOAD:</b>	1500 kg to 6000 kg (hydraulic) 1500 kg to 6500 kg (gearless electric) 1500 kg to 3000 kg (geared electric)
<b>SPEED:</b>	0.2 m/s (hydraulic) 0.5, 1 and 1.6 m/s (gearless electric) 1 and 1.6 m/s (geared electric)
<b>TRAVEL RANGE:</b>	Up to 15 m
<b>STOPS:</b>	6 stops
<b>ENTRANCES:</b>	Single entrance, double 180° entrance
<b>SERIES:</b>	"C" With a machine room "S" Machine room less

### CAR

<b>MODEL:</b>	FORTE-GOODS in galvanised plate with a single-beam photocell. (Optional: curtain photocell)
	Jamb arrow direction
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2180 mm (Optional: other heights)

### CAR DOORS

<b>TYPE:</b>	Automatic: 4 centre-opening panels. 3VF. (Optional: other models)
<b>FINISH:</b>	Epoxy
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)

### LANDING DOORS

<b>TYPE:</b>	Automatic: 4 centre-opening panels (Optional: other models)
<b>FINISH:</b>	Epoxy
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)
<b>FIRE CLASSIFICATION:</b>	E120, according to EN 81-58 (Optional: other classifications)

### SHAFT

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>HEADROOM:</b>	See table

### CAR OPERATING PANEL

<b>MODEL:</b>	Full-height control station Stainless steel (X02)
<b>PUHSBUTTON:</b>	Stainless Steel mechanical pushbutton with the halo lit up and with numbers included in Braille
<b>CAR INDICATOR:</b>	Display made up of 2 digits of Leds with 7 segments (Optional: LCD display)
<b>SAFETY:</b>	Emergency light and telephone

### LANDING OPERATING PANEL

<b>MODEL:</b>	P001, door frames
<b>FINISH:</b>	Stainless steel plate (X02)
<b>PUHSBUTTON:</b>	Stainless Steel mechanical pushbutton with the halo lit up
<b>ENGRAVING:</b>	Black logo (done with laser)

### CONTROLLER

<b>TYPE:</b>	Microbasic controller. Down collective or pick-up (Optional: Via Serie)
<b>LOCATION:</b>	In the machine room for "C" series. It may be located anywhere in the machine room Recommended distance < 10 m

### ELECTRICAL INSTALLATION

Pre-assembled with "Plug & Play" connectors

### HYDRAULIC POWER UNIT

Motor Manometer-Thermistor  
Thermal contact for oil  
Electromechanical valve block MP sava3  
Manual pump. Oil  
Automatic / manual rescue depending on model

### JACK

In 1 section up to 9800 mm of travel range; from 9800 mm , in 2 sections

### MACHINES

Gearless. maGO permanent magnets  
With thermal safety cover for motor.  
Rescue operation: Automatic rescue in addition to emergency electrical controller  
Worm-ring reducer

### BUFFERS

Made from polyurethane with a metal pedestal included

### GUIDE RAILS

Cold-drawn / machined  
In accordance with ISO 7465  
Bracketed

### FIXINGS

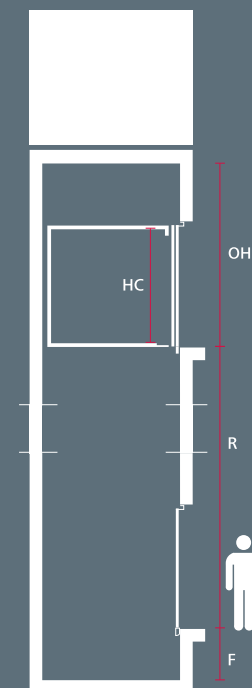
Fixing brackets and plugs for concrete enclosure

### ELECTRICAL FEATURES

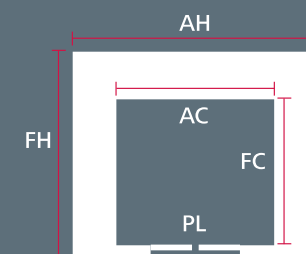
<b>VOLTAGE:</b>	380 V three-phase (Optional: 220 V, 400 V, 415 V three-phase)
<b>LIGHTING VOLTAGE:</b>	220 V
<b>FREQUENCY:</b>	50 Hz (Optional: 60 Hz)

NOTE: Specifications correspond to the basic rate model.

### DIAGRAM



### STANDARD ENTRANCE



### DOUBLE 180° ENTRANCE







Hydraulic



1500 to 6500 kg



With machine room

GOOD LIFTS

	C SERIES											
Speed (m/s)	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Starts per hour	30	30	30	30	30	30	30	30	30	30	30	30
Power (HP/kW)	13/9,5	15/11	17,5/1/23	20/15	20/15	33/24	40/29,4	40/29,4	50/36,8	50/36,8	50/36,8	50/36,8
Q capacity (kg)	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	6500
PL clear opening C4 (mm)	1400	1400	1400	1800	1800	1800	1800	1800	1800	1800	1800	1800
Door height (mm)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Maximum area (m <sup>2</sup> )	3,4	4,2	5	5,8	6,6	7,4	8,2	9	9,8	10,6	11,4	11,4
AC car width (mm)	1700	2000	2000	2300	2500	2600	2600	2600	2600	2600	2600	2600
FC car depth (mm)	2000	2100	2500	2500	2600	2800	3100	3400	3700	4000	4300	4300
HC useful car height (mm)	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180
AH shaft width (mm) suspension 1:1	2500	2800	2800	3100	3300	3400	3400	3400	3400	3400	3400	3400
AH shaft width (mm) suspension 2:1	3600	2900	2900	3200	3400	3400	3400	3400	3400	3400	3400	3400
FH shaft depth (mm)	2350	2450	2850	2850	2950	3150	3450	3750	4050	4350	4650	4650
PL clear opening C4 (mm)	1400	1400	1400	1800	1800	1800	1800	1800	1800	1800	1800	1800
Door height (mm)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Maximum area (m <sup>2</sup> )	3,4	4,2	5	5,8	6,6	7,4	8,2	9	9,8	10,6	11,4	11,4
AC car width (mm)	1500	1500	1800	2100	2100	2100	2100	2100	2300	2300	2300	2300
FC car depth (mm)	2200	2700	2700	2700	3100	3400	3700	4000	4100	4400	4700	4700
HC useful car height (mm)	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180
AH shaft width (mm) suspension 1:1	2300	2300	2600	2900	2900	2900	2900	2900	3100	3100	3100	3100
AH shaft width (mm) suspension 2:1	2400	2400	2700	3000	3000	3000	3000	3000	3200	3200	3200	3200
FH shaft depth (mm)	2622	3122	3122	3122	3522	3822	4122	4422	4522	4822	5072	5072
F pit (mm)	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
OH headroom (mm)	3600	3600	3600	3600	3600	3600	3600	3600	3600	3600	3600	3600
No. ropes x diameter (mm)	4 x 10	5 x 10	6 x 10	6 x 10	6 x 12	6 x 12	6 x 12	8 x 12	8 x 12	8 x 12	8 x 12	6 x 13
Jack: Number - Position	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side	2 - side
Distance between guide rails (mm)	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200
Max. distance between brackets	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Car guide rails (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	140/108/19	140/108/19	140/108/19	140/108/19	140/108/19
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Hormigón
Design dossier (1:1 / 2:1)	H04 / H07	H04 / H07	H04 / H07	H04 / H07	H04 / H07	H04 / H07	H04 / H07	H04 / H07	H04 / H07	H04 / H07	H04 / H07	H04 / H07

Suspension 1:1 for travel ranges ≤ 3 metres  
 Suspension 2:1 for travel ranges > 3 metres  
 For double 180° entrance, the shaft depth is increased to 75 mm.

Shaft depths with 30mm door overhang  
 OPTIONAL: Speed of 0,5 m/s (MP\_00K 05H)

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

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range



	C SERIES							
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)	21,8	27,2	24,5	40,8	28	40,8	28,5	50,3
Rated current (A)	31	43	36	64	36	64	49	76
Q capacity (kg)	1500	1500	2000	2000	2500	2500	3000	3000
PL clear opening C4 (mm)	1300	1300	1400	1400	1400	1400	1400	1400
AC car width (mm)	1700	1700	2000	2000	2000	2000	2100	2100
FC car depth (mm)	2000	2000	2100	2100	2500	2500	2700	2700
HC useful car height (mm)	2180	2180	2180	2180	2180	2180	2180	2180
AH shaft width (mm)	2500	2500	2950	2950	2950	2950	3050	3050
FH shaft depth (mm)	2300	2300	2400	2400	2800	2800	3000	3000
PL clear opening T2 (mm)	1100	1100	1300	1300	1300	1300	1300	1300
AC car width (mm)	1400	1400	1500	1500	1800	1800	1900	1900
FC car depth (mm)	2400	2400	2700	2700	2700	2700	3000	3000
HC useful car height (mm)	2180	2180	2180	2180	2180	2180	2180	2180
AH shaft width (mm)	2300	2300	2450	2450	2750	2750	2850	2850
FH shaft depth (mm)	2700	2700	3000	3000	3000	3000	3300	3300
F pit (mm)	1400	1500	1400	1500	1400	1500	1400	1500
OH headroom (mm)	3600	3700	3600	3700	3600	3700	3600	3700
No. ropes x diameter (mm)	6 x 10	6 x 10	8 x 10	8 x 10	6 x 12	6 x 12	8 x 12	8 x 12
Car guide rails (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	125/82/16
Counterweight guide rails (sections of 5 m)	65/54/8	65/54/8	65/54/8	65/54/8	70/65/9	70/65/9	70/65/9	70/65/9
Suspension	2:1	2:1	2:1	2:1	2:1	2:1	2:1	2:1
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	E-09	E-09	E-09	E-09	E-09	E-09	E-09	E-09

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

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



Gearless



1500 to 2500 kg



With machine room

GOOD LIFTS

	C SERIES					
Speed (m/s)	1	1,6	1	1,6	1	1,6
Starts per hour	180	180	180	180	180	180
Power (HP)	19	27,2	21,8	35,4	21,8	40,8
Rated current (A)	42	53,5	43	68	43	80
Q capacity (kg)	1500	1500	2000	2000	2500	2500
PL clear opening C4 (mm)	1300	1300	1400	1400	1400	1400
AC car width (mm)	1700	1700	2000	2000	2000	2000
FC car depth (mm)	2000	2000	2100	2100	2500	2500
HC useful car height (mm)	2180	2180	2180	2180	2180	2180
AH shaft width (mm)	2500	2500	2950	2950	2950	2950
FH shaft depth (mm)	2300	2300	2400	2400	2800	2800
PL clear opening T2 (mm)	1100	1100	1300	1300	1300	1300
AC car width (mm)	1400	1400	1500	1500	1800	1800
FC car depth (mm)	2400	2400	2700	2700	2700	2700
HC useful car height (mm)	2180	2180	2180	2180	2180	2180
AH shaft width (mm)	2300	2300	2450	2450	2750	2750
FH shaft depth (mm)	2700	2700	3000	3000	3000	3000
F pit (mm)	1400	1500	1400	1500	1400	1500
OH headroom (mm)	3600	3700	3600	3700	3600	3700
No. ropes x diameter (mm)	9 x 8	9 x 8	8 x 10	8 x 10	10 x 10	10 x 10
Distance between guide rails (mm)	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200
Distance between brackets (mm)	3000	3000	3000	3000	3000	3000
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
Counterweight guide rail (sections of 5 m)	65/54/8	70/70/9	65/54/8	70/70/9	70/65/9	70/70/9
Suspension	2:1	2:1	2:1	2:1	2:1	2:1
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	E-09	E-10	E-09	E-09	E-09	E-09

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

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

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range





Gearless



20 to 33 persons



1500 to 2500 kg



Machine room less

GOOD LIFTS

	S SERIES					
Speed (m/s)	1	1,6	1	1,6	1	1,6
Starts per hour	180	180	180	180	180	180
Power (HP)	19	27,2	21,8	35,4	21,8	40,8
Rated current (A)	42	53,5	43	68	43	80
Q capacity (kg)	1500	1500	2000	2000	2500	2500
PL clear opening C4 (mm)	1300	1300	1400	1400	1400	1400
AC car width (mm)	1700	1700	2000	2000	2000	2000
FC car depth (mm)	2000	2000	2100	2100	2500	2500
HC useful car height (mm)	2180	2180	2180	2180	2180	2180
AH shaft width (mm)	2600	2600	2950	2950	2950	2950
FH shaft depth (mm)	2300	2300	2400	2400	2800	2800
PL clear opening T2 (mm)	1100	1100	1300	1300	1300	1300
AC car width (mm)	1400	1400	1500	1500	1800	1800
FC car depth (mm)	2400	2400	2700	2700	2700	2700
HC useful car height (mm)	2180	2180	2180	2180	2180	2180
AH shaft width (mm)	2300	2300	2450	2450	2750	2750
FH shaft depth (mm)	2700	2700	3000	3000	3000	3000
F pit (mm)	1400	1500	1400	1500	1400	1500
OH headroom (mm)	3700	3800	3700	3800	3700	3800
No. ropes x diameter (mm)	9 x 8	9 x 8	8 x 10	8 x 10	10 x 10	10 x 10
Distance between guide rails (mm)	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200
Distance between brackets (mm)	3000	3000	3000	3000	3000	3000
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
Counterweight guide rail(sections of 5 m)	65/54/8	70/70/9	65/54/8	70/70/9	70/65/9	70/70/9
Suspension	2:1	2:1	2:1	2:1	2:1	2:1
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	SCMG-10NA	SCMG-10NA	SCMG-10NA	SCMG-10NA	SCMG-10NA	SCMG-10NA

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

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

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range



Gearless



3000 to 6500 kg



With machine room

	C SERIES													
Speed (m/s)	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1	0,5	0,5	0,5	
Starts per hour	180	180	180	180	180	180	180	180	180	180	180	180	180	
Power (HP)	21,8	43,5	21,8	43,5	21,8	43,5	40,8	57,1	40,8	57,1	40,8	40,8	40,8	
Rated current (A)	43	80	43	80	43	80	82	98	82	98	82	82	82	
Q capacity (kg)	3000	3000	3500	3500	4000	4000	4500	4500	5000	5000	5500	6000	6500	
PL clear opening C4 (mm)	1400	1400	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	
AC car width (mm)	1850	1850	2000	2000	2100	2100	2250	2250	2500	2500	2500	2600	2600	
FC car depth (mm)	3000	3000	3200	3200	3400	3400	3500	3500	3500	3500	3800	4000	4300	
HC useful car height (mm)	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	
AH shaft width (mm)	3000	3000	3250	3250	3300	3300	3500	3500	3750	3750	3750	3850	3850	
FH shaft depth (mm)	3300	3300	3500	3500	3700	3700	3850	3850	3850	3850	4150	4350	4650	
PL clear opening C4 (mm)	1400	1400	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	
AC car width (mm)	2100	2100	2350	2350	2450	2450	2600	2600	3000	3000	3100	3200	3300	
FC car depth (mm)	2700	2700	2700	2700	2900	2900	3000	3000	3000	3000	3100	3200	3300	
HC useful car height (mm)	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	
AH shaft width (mm)	3250	3250	3600	3600	3700	3700	3850	3850	4250	4250	4600	4700	4800	
FH shaft depth (mm)	3000	3000	3000	3000	3200	3200	3300	3300	3300	3300	3400	3500	3600	
F pit (mm)	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	
OH headroom (mm)	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	4500	
No. ropes x diameter (mm)	6 x 10	6 x 10	7 x 10	7 x 10	8 x 10	8 x 10	9 x 10	9 x 10	10 x 10	10 x 10	10 x 10	10 x 10	10 x 10	
Distance between guide rails (mm)	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	
Distance between brackets (mm)	2500	2500	2500	2500	2200	2200	2500	2500	2200	2200	2000	2000	2000	
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	125/89/16	125/89/16	127/89/16	127/89/16	127/89/16	127/89/16	127/89/16	
Counterweight guide rail(sections of 5 m)	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	
Suspension	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	

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

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

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range



Gearless



3000 to 6500 kg



Machine room less

GOOD LIFTS

	S SERIES													
	R		R		R		R		R		R		R	
Speed (m/s)	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1	0,5	1
Starts per hour	180	180	180	180	180	180	180	180	180	180	180	180	180	180
Power (HP)	21,8	43,5	21,8	43,5	21,8	43,5	40,8	57,1	40,8	57,1	40,8	40,8	40,8	40,8
Rated current (A)	43,	80	43	80	43	80	82	98	82	98	82	82	82	82
Q capacity (kg)	3000	3000	3500	3500	4000	4000	4500	4500	5000	5000	5500	6000	6500	
PL clear opening C4 (mm)	1400	1400	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
AC car width (mm)	1850	1850	2000	2000	2100	2100	2250	2250	2500	2500	2500	2600	2600	2600
FC car depth (mm)	3000	3000	3200	3200	3400	3400	3500	3500	3500	3500	3800	4000	4300	4300
HC useful car height (mm)	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180
AH shaft width (mm)	3150	3150	3300	3300	3400	3400	3750	3750	4000	4000	4000	4100	4100	4100
FH shaft depth (mm)	3300	3300	3500	3500	3700	3700	3580	3850	3850	3850	4150	4350	4650	4650
PL clear opening C4 (mm)	1400	1400	1800	1800	1800	1800	1800	1800	1800	1800	1800	H1800	1800	1800
AC car width (mm)	2100	2100	2350	2350	2450	2450	2600	2600	3000	3000	3100	3200	3300	3300
FC car depth (mm)	2700	2700	2350	2350	2450	2450	2600	2600	3000	3000	3100	3200	3300	3300
HC useful car height (mm)	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180
AH shaft width (mm)	3250	3250	3600	3600	3700	3700	3850	3850	4250	4250	4600	4700	4800	4800
FH shaft depth (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3300	3300	3400	3500	3600	3600
F pit (mm)	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
OH headroom (mm)	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	4500
No. ropes x diameter (mm)	6 x10	6 x10	7 x10	7 x10	8 x10	8 x10	9 x10	9 x10	10 x10	10 x10	10 x10	10 x10	10 x10	10 x10
Distance between guide rails (mm)	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200	AC+200
Distance between brackets (mm)	2500	2500	2500	2500	2200	2200	2500	2500	2200	2200	2000	2000	2000	2000
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	125/82/16	127/89/16	127/89/16	127/89/16	127/89/16	127/89/16	127/89/16
Counterweight guide rail(sections of 5 m)	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9	70/65/9
Suspension	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Design dossier	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA	SCMG-11NA

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

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

KEY AH Shaft width FH Shaft depth AC Car width HC Car height FC Car depth OH Headroom F Pit PL Standard clear entrance R Travel range







ACCESIBILITY









## MP|MOBI

### Accessibility

The user-friendly platform for all kinds of buildings

### Mobility without limits

As part of the ACCESSIBILITY range, MP MOBI was born as the hydraulic technology solution to overcome any type of architectural obstacle.

With the same features as a conventional lift in regard to safety, comfort and design, MP MOBI was developed to bring an added benefit in terms of accessibility in private and public buildings. Technological solutions designed with all construction limitations in mind.

Getting rid of architectural obstacles



## Tailored solutions

### Adaptability and Silence

The MP MOBI lift is a product developed and manufactured by MP.

It is the ideal accessibility solution for any kind of building with between 2 and 6 floors. MP MOBI has the latest technology identical to that used in our conventional lifts. This includes electronic controllers with microprocessors, automatic call register (pressing down constantly is not necessary), a hydraulic power unit with 2 speeds, very low sound levels and very low consumption levels. It is available with 230/400 V three-phase and 230 V single-phase electrical power. With this second option, the number of electric installations to be installed is reduced, meaning greater integration of the lift, above all in existing buildings.

Efficient and reliable solutions





## Safety and Reliability

Efficiency to the maximum

The reliability of the MP MOBI is vouched for by its compliance with the new Directive 2006/42/EC on machinery. Optionally, some models can be supplied with the necessary accessories for compliance with the technical criteria found in the EN81-70 accessibility regulation.

### MP MOBI SAFETY

Automatic sliding folding door in the car

Alarm pushbutton and pushbutton to open doors

Emergency car light for use in the event of a cut in the mains power.

Optical-acoustic overload control

Fonomac 3

Non-skid rubber floor

Automatic rescue in the event of there being no mains power

Manual rescue using the emergency pushbutton in the hydraulic power centre.

Rupture valve in the event of breakage in the hydraulic valve.

Mechanical block in the pit and overhead against uncontrolled car movements (for maintenance work in the shaft)

Two reset keyswitches (pit and overhead) on the controller

Out of order keyswitch on the landing operating panel



MP|MOBI

## Flexibility and Power

Freedom of movement

MP MOBI offers great flexibility in terms of its installation, assembling and aesthetic options, ensuring efficient solutions for all kinds of cases. It can be installed in new and existing buildings, both on the inside and out, as it complements the self-supporting structure MP STRUCTURA. This system, which replaces the conventional work shaft, allows direct fixing to the wall without subjecting the building to any loads.

Simplicity in terms of the assembly of the MP MOBI certainly does not reflect its immense potential. With a load capacity of 180 kg - 630 kg, it can carry up to 8 persons, thanks to its 4XL car measuring 1100 x 1400 mm.. And because silence means comfort, the MP MOBI works with sound levels which are less than 50 dB, thanks to its power unit submerged in oil, as well as its silent contactors on the controller.



## Details on a large scale

### Guaranteeing aesthetics and comfort

Unlike other residential lifts, MP MOBI will be installed in your own home, which is why the design takes on even greater importance.

MP MOBI offers a wide range of interior car designs (Series D and C). Furthermore, you can achieve even greater integration with the interior design of your home by customising the car with our MP AMBIENTUM range (AMBIENTUM COLOR with striking colours, AMBIENTUM JL with stunning photographs from our collection and AMBIENTUM INUKE with an image of your choice).

#### SERIES D AND C CARS

Walls:	White plastic-coated or stratified steel from the Classic and Timber ranges
Floor:	Non-skid rubber, granite or marble
Lighting:	Fluorescent lighting mounted on the false ceiling
Handrails:	Tubular
Command control:	Classic or Avant plate pushbutton panels with ROLLER SATURNE pushbuttons and characters in braille and a two-way emergency Fonomac II telephone.
Car doors:	Automatic sliding folding (bus) doors
Other options:	Automatic, side-opening station, full-height control station (full) with Compac pushbutton



CAR C400



CAR C600



CAR D100



LANDING DOORS



MODELS AND FINISHES

	WALLS			
D-100/300 CLOUD				
	K01. White	K04	K10	K17
C400				
	1646. Beech	7884. Blue	0414. Sand	
C600				
	1293. Sequoia	7520. Oak	1672. Tulipwood	2884. Pear wood

	FLOORS		
D-100/300 CLOUD C400			
	R24. Black circle-patterned rubber	R28. Grey circle-patterned rubber	R23. Blue circle-patterned rubber
C600			
	R61. Vinyl rubber	R73. Vinyl rubber	R42. Vinyl rubber
	R59. Vinyl rubber		

LANDING DOORS

- Semiautomatic swing doors with RAL 7044 Epoxy finish:
  - With a vision panel (standard)
  - With a large vision panel
- Automatic





ACCESSIBILITY  
**MP|MOBI**

**FEATURES**

<b>TYPE:</b>	Hydraulic lift platform
<b>LOAD:</b>	180 kg to 630 kg
<b>CAPACITY:</b>	2 to 8 persons
<b>SPEED:</b>	0.15 m/s
<b>TRAVEL RANGE:</b>	Up to 18 m
<b>ENTRANCES:</b>	Single entrance, double 180° entrance, double 90° entrance and tripe entrance
<b>SERIES:</b>	"C" With machine room and "S" machine room less

**CAR**

<b>MODEL:</b>	D-100 with single beam photocell (Optional: curtain photocell)
	Jamb arrow direction (Optional: other car models, see catalogues)
<b>EXTERIOR DIMENSIONS:</b>	See table
<b>HEIGHT:</b>	2100 mm (Optional: other heights)

**CAR DOORS**

<b>TYPE:</b>	Automatic: 2 side-opening panels. 3Vf (Optional: other models)
<b>FINISH:</b>	Stainless steel (X02)
<b>DIMENSIONS:</b>	Ver tabla x 2000 mm (Optional: other heights)

**LANDING DOORS**

<b>TYPE:</b>	Automatic: 2 side-opening panels (Optional: other models)
<b>FINISH:</b>	Epoxy RAL 7044 (Optional: Stainless steelX02)
<b>DIMENSIONS:</b>	See table x 2000 mm (Optional: other heights)
<b>FIRE RESISTANCE CLASSIFICATION:</b>	E120, EW60 according to EN 81-58 (Optional: other classifications)

**SHAFT**

<b>DIMENSIONS:</b>	See table
<b>PIT:</b>	See table
<b>HEADROOM:</b>	See table

**CAR OPERATING PANEL**

<b>MODEL:</b>	Plate
<b>FINISH:</b>	Plastic-coated steel (Optional: Stainless steel X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit using Leds (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>CAR INDICATOR:</b>	Optional: Mechanical, stainless steel pushbutton with halo lighting (Optional: Display LCD)
<b>SAFETY:</b>	Optional: Mechanical, stainless steel pushbutton with halo lighting

**LANDING OPERATING PANEL**

<b>MODEL:</b>	P001, on the door frame
<b>FINISH:</b>	Placa de acero inoxidable (X02)
<b>PUHSBUTTON:</b>	Mechanical, polycarbonate plastic, fireproof pushbutton lit up with Leds (Optional: Mechanical, stainless steel pushbutton with halo lighting)
<b>ENGRAVING:</b>	Black logo (done with laser)

**CONTROLLER**

<b>TYPE:</b>	Microbasic controller. Down collective or pick-up
<b>LOCATION:</b>	In the machine room for "C" series. It may be placed anywhere within the machine room  In the cabinet for "S" series. Epoxy finish.  Recommended distance < 10 metres

**ELECTRICAL INSTALLATION**

	Premontada con conectores "Plug & Play"
--	---

**HYDRAULIC POWER UNIT**

	Motor Manometer-Thermistor. Thermal oil contact
	Electromechanical valve block MP sava3
	Manual pump. Oil
	Automatic rescue

**JACK**

	In 1 section up to 9800 mm of travel range, in 2 sections from 9800 mm
--	--

**BUFFERS**

	Made from polyurethane with a metal pedestal included
--	---

**GUIDE RAILS**

	rawn in accordance with ISO 7465
--	----------------------------------

**FIXINGS**

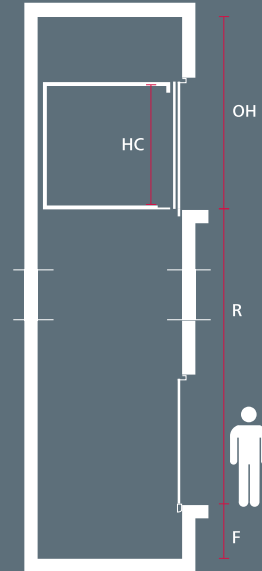
	Fixing brackets and plugs for concrete enclosure
--	--

**ELECTRICAL FEATURES**

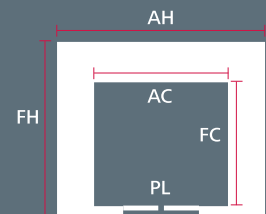
<b>POWER SUPPLY VOLTAGE:</b>	380 V three-phase
<b>LIGHTING VOLTAGE:</b>	220 V
<b>FREQUENCY:</b>	50 Hz

NOTE: Specifications corresponding to the basic rate model

DIAGRAM



STANDARD ENTRANCE



DOUBLE 180° ENTRANCE



TRIPLE ENTRANCE







Hydraulic



2 to 8 persons



180 to 360 kg



With machine room and machine room less

MP|MOBI

	S and C SERIES <sup>(1)</sup>					
	MP MOBI S	MP MOBI M	MP MOBI L	MP MOBI XL	MP MOBI 2XL	MP MOBI 4XL
Capacity (persons)	2	3	4	5	6	8
Speed (m/s)	0,15	0,15	0,15	0,15	0,15	0,15
Starts per hour	15	15	15	15	15	15
Power (HP/ kW)	2.7 / 2	2.7 / 2	2.7 / 2	4 / 3	4 / 3	4 / 3
Current (A) <sup>(2)</sup>	5,6	5,6	5,6	10	10	10
Q capacity (kg)	180	225	320	375	480	630
PL clear opening (mm)	600	700	700	800	800	800
AC car width (mm)	700	800	1000	1000	1000	1100
FC car depth (mm)	800	900	900	1100	1250	1400
HC useful internal car height (mm)	2100	2100	2100	2100	2100	2100
AH shaft width (mm)	1060	1160	1400	1360	1400	1500
FH shaft depth (mm)	1075	1100	1200	1360	1550	1700
F minimum pit (mm) <sup>(3)</sup>	150 / 645 / 875 / 1004	150 / 645 / 875 / 1004	150 / 645 / 875 / 1004	150 / 645 / 875 / 1004	150 / 645 / NA / 1004	150 / 645 / NA / 1004
OH minimum headroom (mm) <sup>(3)</sup>	2390 / 2814 / 2860 / 3330	2390 / 2814 / 2860 / 3330	2390 / 2814 / 2860 / 3330	2390 / 2814 / 2860 / 3330	2390 / 2814 / NA / 3330	2390 / 2814 / NA / 3330
No. ropes x diameter (mm)	4 x 8	4 x 8	4 x 8	4 x 8	4 x 8	4 x 8
Jack: Number - Position	1 - side	1 - side	1 - side	1 - side	1 - side	1 - side
Max. distance between brackets	1500	1500	1500	1500	1500	1500
Car guide rails	T70 / 70 / 9	T70 / 70 / 9	T70 / 70 / 9	T70 / 70 / 9	T70 / 70 / 9	T70 / 70 / 9
Shaft enclosure	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete

## NOTES:

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

(2) Current data for 400 V mains voltage. Optional single-phase power voltage at 230 V.

(3) With compensatory safety measures / Without compensatory safety measures / Economical option / Loft option. Dimensions of Pit and Headroom with automatic landing doors, MASSEN model.



## ESCALATORS and Moving WALKWAYS



ESCALATORS



Moving WALKWAYS











ESCALATORS  
AND MOVING  
WALKWAYS







ESCALATORS  
AND MOVING WALKWAYS

**MP|STEP**   
MP COLINA, MP SIERRA,  
MP PONT, MP PONT F, MP PONT H



Ideas which bring about progress





## A product for each requirement






### Range of MP products

The MP STEP range of escalators and moving walkways goes that one step further in terms of technology, efficiency and adaptability. A wide range of possibilities ensures that each choice fits perfectly, no matter what the specifics of each case may be.

Space, passenger traffic levels and conditions of use cease to be limitations, instead becoming our indicators to determine the best choices. Furthermore, the modular design ensures that the installation is optimised and the product is enjoyed to the full due to its capacity to respond to the specifications of the design.

It is a system which offers very different possibilities with common characteristics, reliability, comfort and optimum performance forming the best basis of the success for any product from the MP STEP range.

As it forms part of our philosophy of excellence and constant improvement, all our products comply with the European Standard EN115 as well as other international codes.

	ESCALATORS		MOVING WALKWAYS		
	MP COLINA 	MP SIERRA 	MP PONT 	MP PONT F 	MP PONT H 
	Commercial	Heavy duty	Trolley		Long way
Installation	Indoor/Outdoor (*)	Indoor/Outdoor (*)	Indoor/Outdoor (*)	Indoor/Outdoor (*)	Indoor/Outdoor (*)
Working hours (hours per day)	16	24	16	16	16
Slope (°)	30°/35°	30°/35°	10°,11°,12°	10°,11°,12°	0° - 6°
Speed (m/s)	0,5	0,5 / 0,65 (si 30°)	0,5	0,5	0,5 / 0,65
Capacity (persons per hour)	Up to 6000	Up to 7300	Up to 6000	Up to 6000	Up to 6000
Width of tread (mm)	600/800/1000	600/800/1000	800/1000	800/1000	1000/1200/1400
Difference in height	2,0m to 7,5m (30°)	2,0 to 12,0m (30°)	2,0 to 7,5m	2,0 to 7,5m	(L) 15 to 150m
	2,0m to 6,0m (35°)	2,0m to 6,0m (35°)			

(\*) Optional





## Safety and options

### Escalators and moving walkways

Do you now know what would be the best model for you? Complete it with our endless array of options designed to further optimise the efficiency, safety and aesthetics of your chosen product.

OPTIONS	INCLUDED SAFETY ELEMENTS
Safety brake on the main shaft	Electric chain contact (1 unit)
VVVF	Step chain contacts (2 units)
Automatic lubrication system	Handrail entry contacts (4 units)
Balustrade / skirting board lighting	Comb plate contacts (4 units)
Traffic lights	Skirting board contacts (4 units)
Handrail speed monitor	Contacts descent of stair (2 units)
Error display	Contacts - absence of stair (2 units)
Auto start-up (photocell or door track contact)	Contacts opening of door tracks (2 units)
Remote control	Emergency pushbuttons
Colour handrails	Stair shaft lighting
Colour steps	Yellow step outlines
Frame coating (rustproof or primer)	Phase monitoring relay
Preparation for outdoors (anti-rust nuts and screws, oil separator, flooding of shaft)	Other safety elements
	Detection of change in direction of gear (*)
	Anti-lift stair contact (*)
	Thermal relay for motor (*)

(\*) Optional



# Leadership and quality round the globe

The MP STEP range can be perfectly adapted to very different requirements and needs. The endless array of designs developed to an outstanding level all over the world clearly show this.



MP STEP  
Mercado de Colón. Valencia. Spain



MP STEP  
Seville's metro system Seville. Spain



MP STEP  
Merkamueble. Barakaldo - Vizcaya. Spain



MP STEP  
Poznan Airport Poznan. Poland

## Integration

The efficiency of MP STEP products helps us to offer solutions which are perfectly integrated into their surroundings.

## Efficiency

The number of passengers per hour is one of the fundamental parameters when choosing one of our products. Our range includes options which can support very high levels of traffic, offering optimum performance in extremely demanding conditions such as those at an airport or metro station.

## Adaptability

The advantages of the MP STEP range extend to other types of products. Each design is assessed as a whole, which allows us to combine different lift solutions, complementing each other to perfection. A team vision which also applies to the overall development of the design.

## Reliability

The MP STEP range is backed up by a team of experts who work on each stage of the design development and on the subsequent performance of the product, even from the design of each model. An comprehensive overview which guarantees much more than just a reliable solution, also ensuring happy customers.





ESCALATORS AND MOVING WALKWAYS  
ESCALATORS

**MP|COLINA**

MP COLINA 302, MP COLINA 352, MP COLINA 303

Escalators for shopping centres, department stores, supermarkets, hotels, office buildings, museums, hospitals and airports.

Adaptability and optimum performance



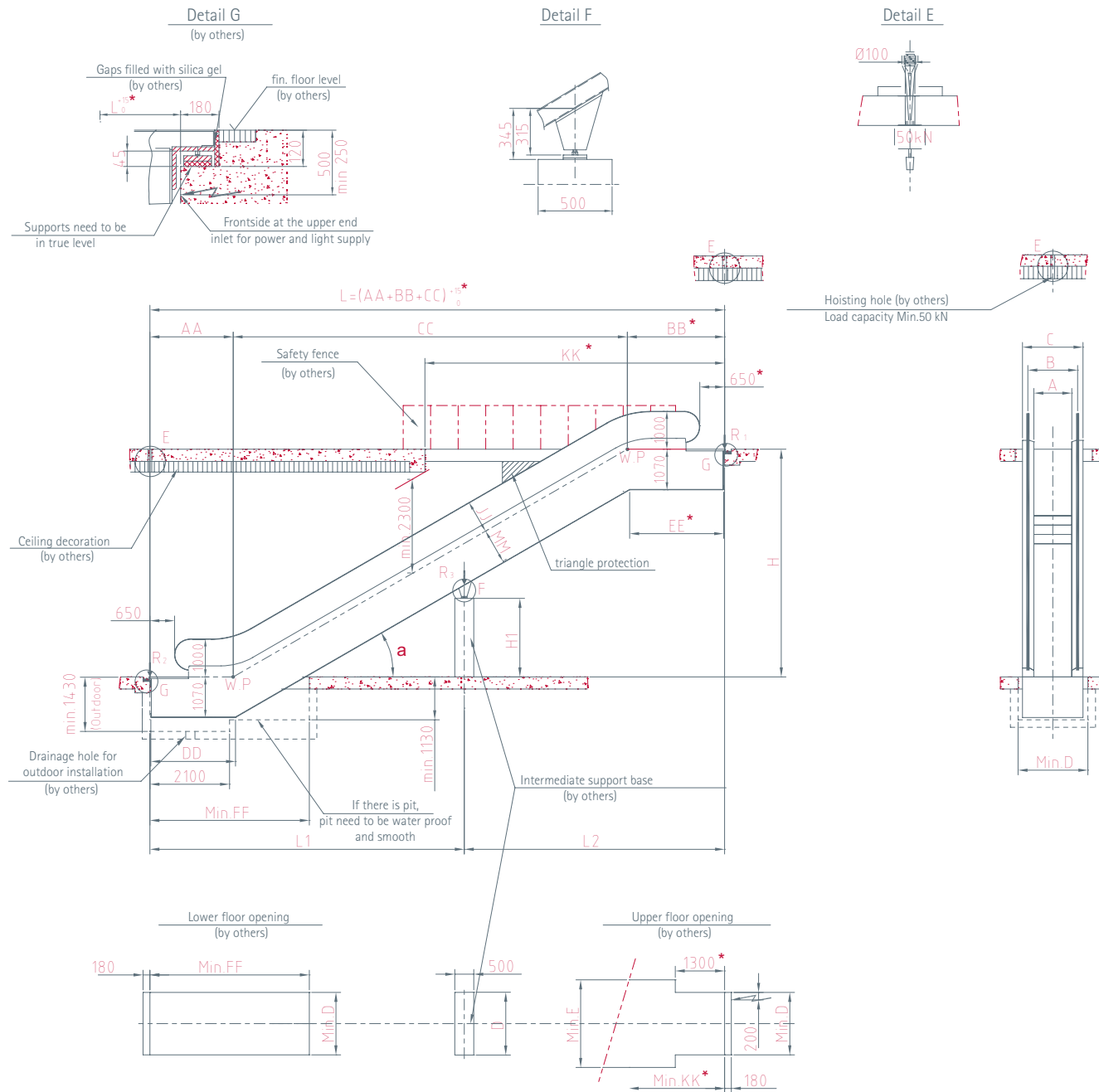
	MP COLINA 302	MP COLINA 352	MP COLINA 303
a	30°	35°	30°
AA	2195	2229	2595
BB	2449	2510	2964
CC	Hx1,732	Hx1,428	Hx1,732
DD	2230	2385	2630
EE	2355	2312	2870
FF	4200	4000	4600
JJ	870	850	870
KK	7800	7000	8300
MM	960	980	960

A	REACTION FORCE (KN)	
	Without intermediate support	With one intermediate support
600	$R1=3,35xL+15,5$	$R1=3,35xL2+11,5$
	$R2=3,35xL+10$	$R2=3,35xL1+4,5$
800	$R1=3,7xL+17$	$R1=3,7xL2+12$
	$R2=3,7xL+11$	$R2=3,7xL1+4,7$
1000	$R1=4,15xL+18,5$	$R1=4,15xL2+12,5$
	$R2=4,15xL+11,5$	$R2=4,15xL1+4,9$
		$R3=3,35xL+3,5$
		$R3=3,7xL+4$
		$R3=4,15xL+4,5$

Note: L, L1 y L2 are in meters

VERTICAL / INCLINED BALUSTRADE				
A	B	C	D	E
600	837	1145	1200	1720
800	1037	1345	1400	1920
1000	1237	1545	1600	2120





NOTES:

1. Height above sea level of the escalator place should not be higher than 1000m. In case of doubt, please contact MP.
2. If one of the following situations, the dimensions marked with \* shall be extended 500mm:
  - (1) 600 mm step width.
  - (2) Double drive.
  - (3) VVVF and power exceeds 11kW.
  - (4) 220V and power exceeds 7.5 kW.
3. Client should provide the intermediate support base, which can be made of reinforced concrete or metallic structure in right position, in case of horizontal distance L higher than 15 m.
4. The requirements of escalators and building interfaces must be according with the national standards (EN115-1:2008+A1:2010 ). In case of doubt, please contact MP.



ESCALATORS AND MOVING WALKWAYS  
**ESCALATORS**

**MP|SIERRA**

MP SIERRA 302, MP SIERRA 303, MP SIERRA 352,  
MP SIERRA 233, MP SIERRA 234, MP SIERRA 273,  
MP SIERRA 274, MP SIERRA 303, MP SIERRA 304

Escalators for metro stations, train stations and the like.

One step further in adaptability

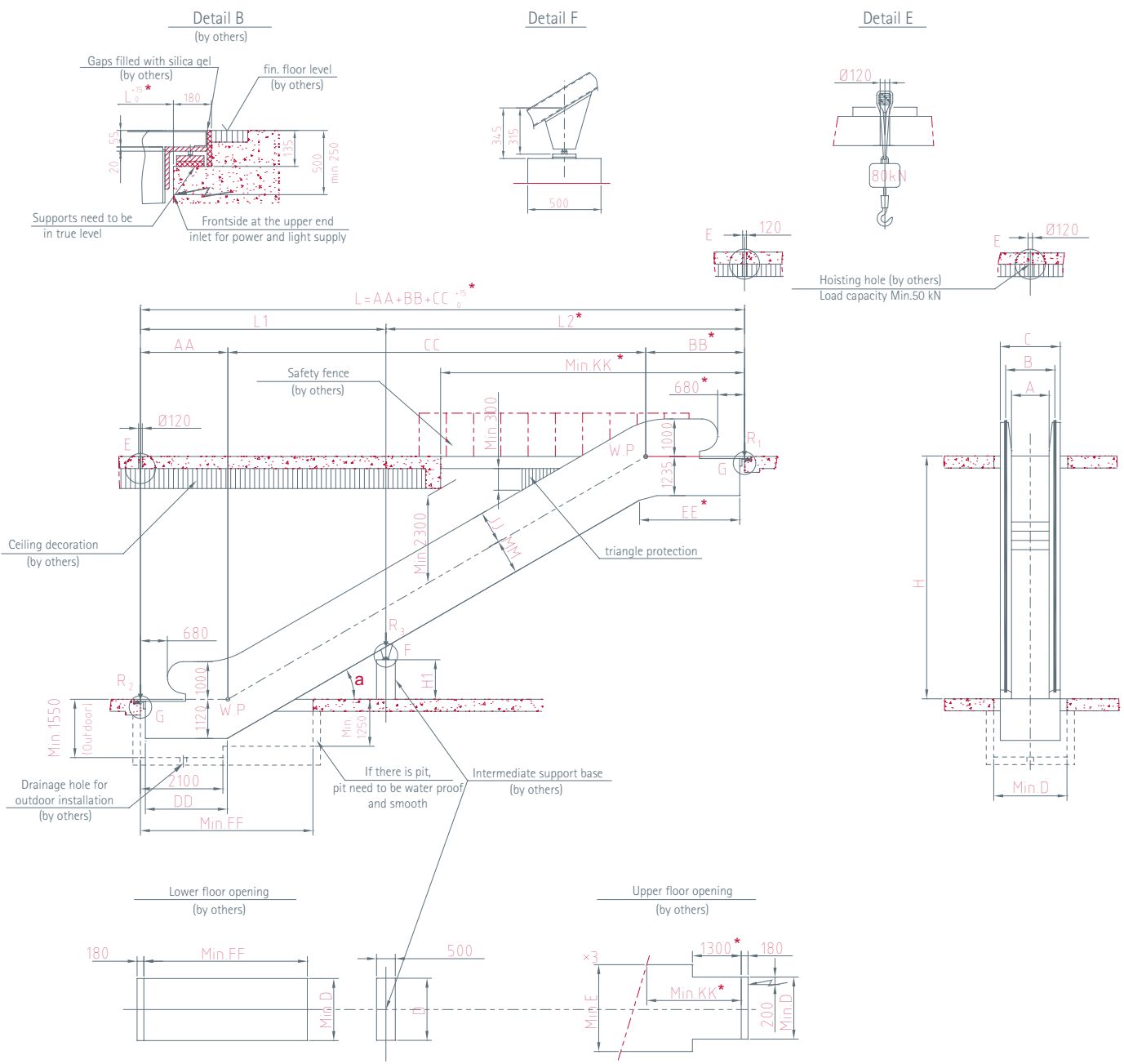
	MP SIERRA 302	MP SIERRA 303	MP SIERRA 352	MP SIERRA 233	MP SIERRA 234	MP SIERRA 273	MP SIERRA 274	MP SIERRA 303	MP SIERRA 304
a	30°	30°	35°	23,2°	23,2°	27,3°	27,3°	30°	30°
Upper radius	1500	1500	1500	2700	2700	2700	2700	2700	2700
AA	2231	2631	2266	2898	3298	2945	3345	2863	3263
BB	2598	2998	2682	3220	3620	3350	3750	3283	3683
CC	Hx1,732	Hx1,732	Hx1,428	Hx2,333	Hx2,333	Hx1,938	Hx1,938	Hx1,732	Hx1,732
DD	2370	2770	2505	2885	3285	3047	3447	3000	3400
EE	2815	3215	2780	3730	4130	3613	4013	3500	3900
FF	4530	4930	4420	5700	6100	5450	5850	5160	5560
JJ (V)	870	870	850	919	919	900	900	870	870
JJ (T)	870	870	850	901	901	882	882	870	870
MM	1060	1060	1080	1040	1040	1060	1060	1060	1060
KK	8000	8400	7200	10200	10600	9800	10200	8800	9220



A	REACTION (KN)	
	Without intermediate support	With one intermediate support
600	R1=4,05xL+16,3	R1=4,05xL2+14
	R2=4,05xL+8,5	R2=4,05xL1+7
800	R1=4,45xL+17	R1=4,45xL2+16
	R2=4,45xL+9,5	R2=4,45xL1+7,5
1000	R1=4,95xL+19,5	R1=4,95xL2+17,2
	R2=4,95xL+10,5	R2=4,95xL1+8,3
		R3=5,2xL+11,3

Notes:  
1. L, L1 y L2 are in meters  
2. L1 and L2 do not exceed 15 metres

VERTICAL BALUSTRADE					SLOPED BALUSTRADE				
A	B	C	D	E	A	B	C	D	E
600	910	1195	1270	1790	600	837	1195	1270	1790
800	1110	1395	1470	1990	800	1037	1395	1470	1990
1000	1310	1595	1670	2190	1000	1237	1595	1670	2190



- NOTES:
1. Height above sea level of the escalator place should not be higher than 1000m. In case of doubt, please contact MP.
  2. If one of the following situations, the dimensions marked with \* shall be extended 500mm:
    - (1) 600 mm step width.
    - (2) Double drive.
    - (3) VVVF.
    - (4) 220V and power exceeds 7.5 kW.
  3. Client should provide the intermediate support base, which can be made of reinforced concrete or metallic structure in right position, in case of horizontal distance L higher than 15 m.
  4. The requirements of escalators and building interfaces must be according with the national standards (EN115-1:2008+A1:2010 ). In case of doubt, please contact MP.





ESCALATORS AND MOVING WALKWAYS  
MOVING WALKWAYS

**MP|PONT**

MP PONT 10, MP PONT 11, MP PONT 12

Sloped moving walkways without smooth access for shopping centres, department stores, supermarkets and the like.

Needs which are transformed into solutions

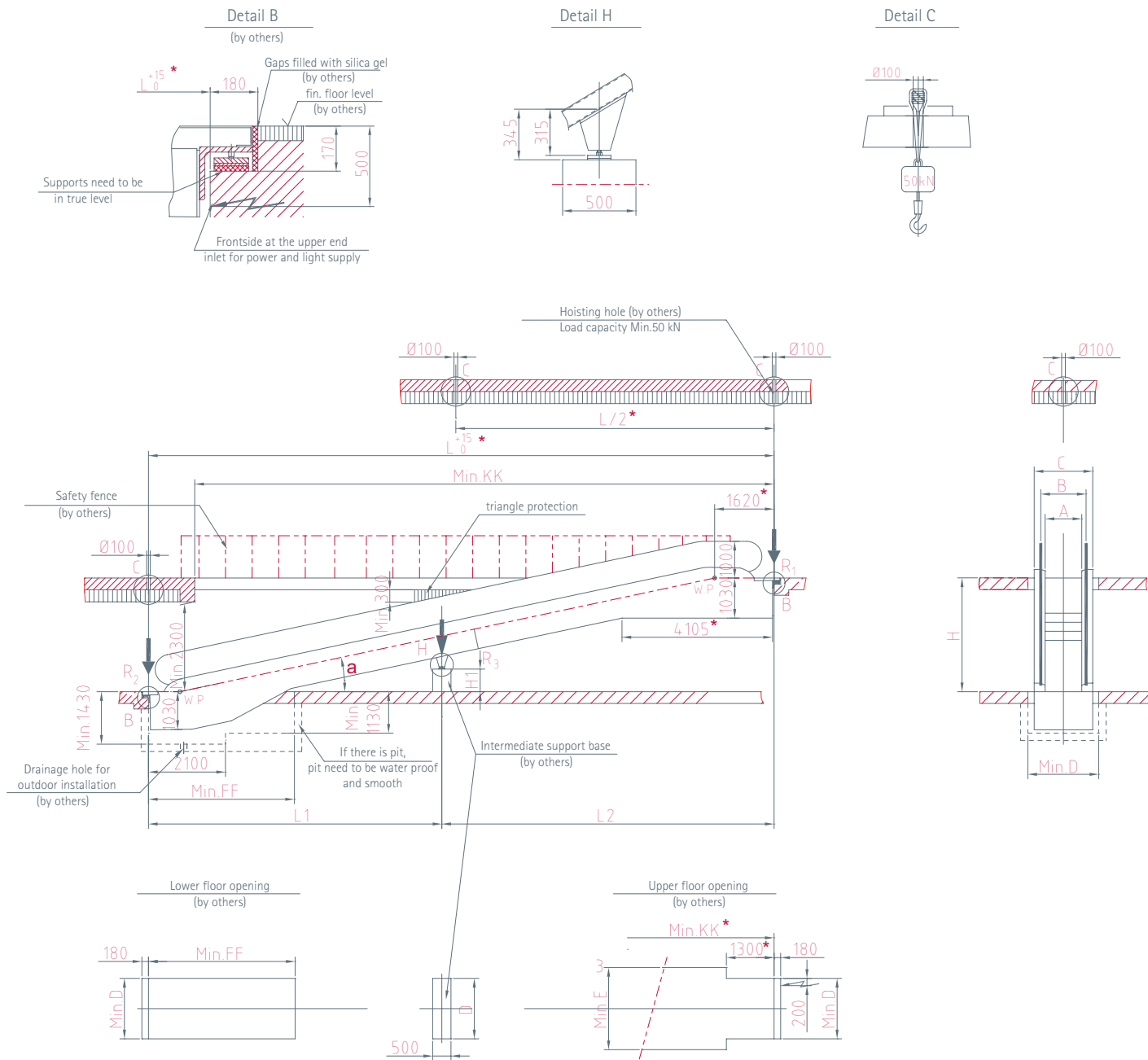


	MP PONT 10	MP PONT 11	MP PONT 12
a	10°	11°	12°
L	Hx5,671+2650	Hx5,145+2555	Hx4,705+2475
KK	17700	16700	15800
FF	4490	4230	3980

A	REACTION (KN)
800	R1=3,45xL2+14
	R2=3,45xL1+7
	R3=4xL+16
1000	R1=3,85xL2+15,5
	R2=3,85xL1+7,5
	R3=4,5xL+17

Notes:  
 1. L, L1 and L2 are in meters  
 2. L1 and L2 do not exceed 15 meters.  
 3. Applicable in case of one intermediate support. In case of doubt, please contact MP.

A	B	C	D	E
800	1037	1345	1400	1920
1000	1237	1545	1600	2120



NOTES:

1. Height above sea level of the escalator place should not be higher than 1000m. In case of doubt, please contact MP.
2. If one of the following situations, the dimensions marked with \* shall be extended 500mm:  
 (1) Double drive.  
 (2) VVVF.  
 (3) 220V and power exceeds 7.5 kW.
3. Client should provide the intermediate support base, which can be made of reinforced concrete or metallic structure in right position, in case of horizontal distance L higher than 15m.
4. The requirements of escalators and building interfaces must be according with the national standards (EN115-1:2008+A1:2010). In case of doubt, please contact MP.



ESCALATORS AND MOVING WALKWAYS  
MOVING WALKWAYS

**MP|PONT F**

MP PONT F 10, MP PONT F 11, MP PONT F 12

Sloped moving walkways with smooth access for shopping centres, department stores, supermarkets and the like.

Needs which are transformed into solutions



	MP PONT F 10	MP PONT F 11	MP PONT F 12
a	10°	11°	12°
L	Hx5,671+3945	Hx5,145+3755	Hx4,705+3595
KK	17700	16700	15800
FF	5740	5480	5230

A	REACTION (KN)
800	R1=3,45xL2+14
	R2=3,45xL1+7
	R3=4xL+16
1000	R1=3,85xL2+15,5
	R2=3,85xL1+7,5
	R3=4,5xL+17

Notes:  
 1. L, L1 and L2 are in meters  
 2. L1 and L2 do not exceed 15 meters.  
 3. Applicable in case of one intermediate support. In case of doubt, please contact MP.

A	B	C	D	E
800	1037	1345	1400	1920
1000	1237	1545	1600	2120







ESCALATORS AND MOVING WALKWAYS  
MOVING WALKWAYS

MP|PONT H

Horizontal moving walkways for airports and for carrying passengers over considerable distances.

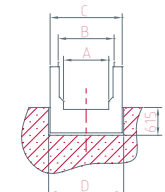
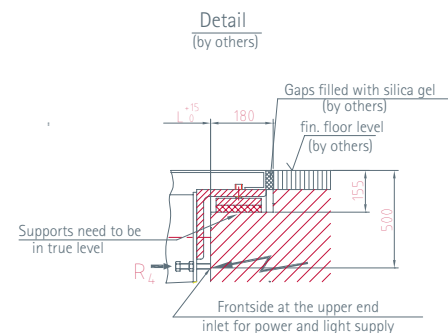
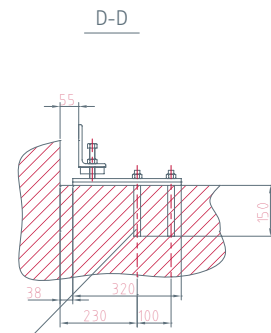
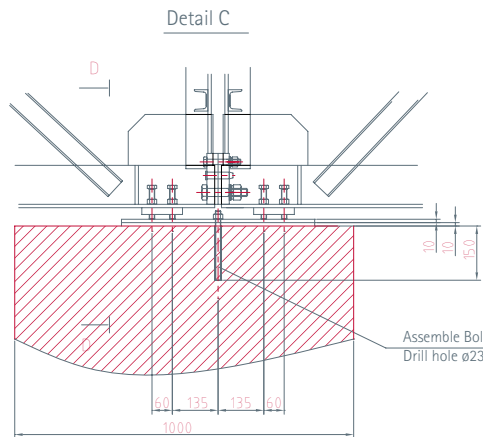
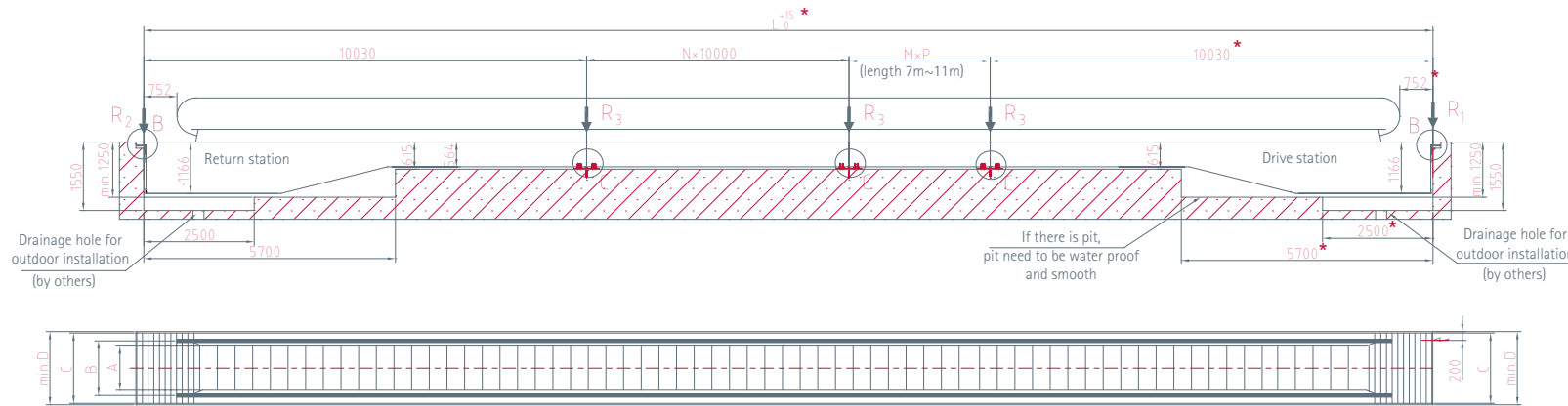
Pure movement technology



A	1400	1200	1000
REACTION (KN)			
R1	73	64	55
R2	69	61	53
R3	125	110	90
R4	5	5	5

VERTICAL BALUSTRADE			
A	B	C	D
1000	1237	1595	1670
1200	1437	1795	1870
1400	1637	1995	2070

SLOPED BALUSTRADE			
A	B	C	D
1400	1710	1995	2070
1200	1510	1795	1870
1000	1310	1595	1670



NOTES:

1. Height above sea level of the escalator place should not be higher than 1000m. In case of doubt, please contact MP.
2. If one of the following situations, the dimensions marked with \* shall be extended 500mm:
  - (1) Double drive
  - (2) VVVF
3. Client should provide the intermediate support base, which can be made of reinforced concrete or metallic structure in right position, in case of horizontal distance L higher than 10m.
4. The requirements of escalators and building interfaces must be according with the national standards (EN115-1:2008+A1:2010 ). In case of doubt









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