MpGO!evolution

LIFTING IMPROVEMENTS TO THE NEXT LEVEL

mp moving people

mplifts.com

MpGO!evolution

Eco-efficient (class A) | Gearless | 4-21 people | 320-1600 kg | Machine roomless

NEXT LEVEL
GIVING THE WORD 'IMPROVEMENT' A WHOLE NEW MEANING

1. MAXIMUM SAFETY FOR USERS

Our **Mp ecoGO** controller and inverter come with three safety systems as standard:

- **Automatic rescue**: this ensures that, in the event of a power supply failure, the lift makes its way to the nearest landing and opens its doors, thereby avoiding users becoming trapped.
- **MES electromanual rescue operation**: this allows rescue operations to be carried out from command panel located in the controller cabinet.
- **Electromanual rescue operation (unbalanced load)**: automatic position and speed control allows rescue operations to be safely carried out from the controller, even without power.

2. OPTIMISED MAINTENANCE

The remote control and monitoring platform **sigma4lifts** features technology that provides you with a wealth of information on your lifts, gives you greater control over them and their functions, improves the service you offer your clients, and avoids unnecessary call-outs. What's more, real-time safety is ensured, something that involves your lifts being constantly monitored and you being sent automatic notifications of incidents. By remotely connecting to and communicating with your lift, the ultimate result is more uptime.

The **Mp ecoGO** controller software includes specific features designed to make maintenance easier:

- **Test mode** for carrying out simulations during maintenance
- **Maintenance calls** for aligning the car roof with the landing
- Software for carrying out **the periodic tests in a guided way**
- **Battery status monitoring** to ensure, in real time, that they are working correctly
- We also offer **safety features** for reduced headroom and pits which comply with **EN 81-21. These are** activated **automatically** and ensure the highest levels of safety for maintenance staff, as well as a rescue system when moving in inspection mode, which ca be used in the event of a power failure

3. EXPERTS IN TAILORED SOLUTIONS, TO DESIGN AND BUILD WITH COMPETITIVE ADVANTAGE

- **Reduced headroom and/or pit** for existing buildings in accordance with European standard **EN 81-21.**
- Safety gear system on the counterweight for **areas under the lift's pit transited by people**.
- **Reduced headroom** for **new buildings** by way of our EDE-014-certified solution.
- Solutions for **irregular shafts** as well as **customised car dimensions and decoration.**

4. LESS WAITING TIME

New features reduce the lift's waiting times by up to 8 seconds compared to other traditional systems. These include quick **pre-start**, which reduces the time it takes the lift to start moving, **direct approach** of the car at floor level, which reduces stopping times by doing away with slow or approach speed, and **pre-opening of doors**, which minimises the time spent waiting for them to open.

5. SIMPLE, USER-FRIENDLY INSTALLATION AND COMPREHENSIVE DESIGN

The **PLUG & PLAY** design means easier and faster installation, enabling assembly time to be saved.

The **technical drawings include all electrical components,** meaning minimal time and effort is needed for assembly, and mistakes are not made in terms of wiring.

The controller **software** includes an **automatic learning** system for the shaft, something which makes configuration much easier.

MP ecoGOPCTools installation **software** includes an application for carrying out **guided commissioning tests**.

6. 230 V SINGLE-PHASE CONNECTION OPTION

A 230 V connection option is available. This involves a single-phase inverter connected directly to the mains, something which means high energy efficiency, simple maintenance and no limits in terms of number of trips.

MP GO! Evolution is a lift constantly updated to maintain the highest level of technology and comfort, as well as energy efficiency. This is endorsed by level **A CERTIFICATION** in the VDI 4707 and ISO 25745-2 energy classification.

*Class A certification according to ISO 25745-2, categories 1 and 2, with category 2 consumption of only 516 kWh/year. Measurements performed on a 630 kg lift, 6 stops, 1 m/s with standard fittings.

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ESQUEMA

Guide rails
Cold drawn / machined according to calculations and as per **ISO 7465**

Car doors
Automatic and telescopic with 2 stainless-steel panels (X02*), a height of 2000 mm and an aluminium door sill

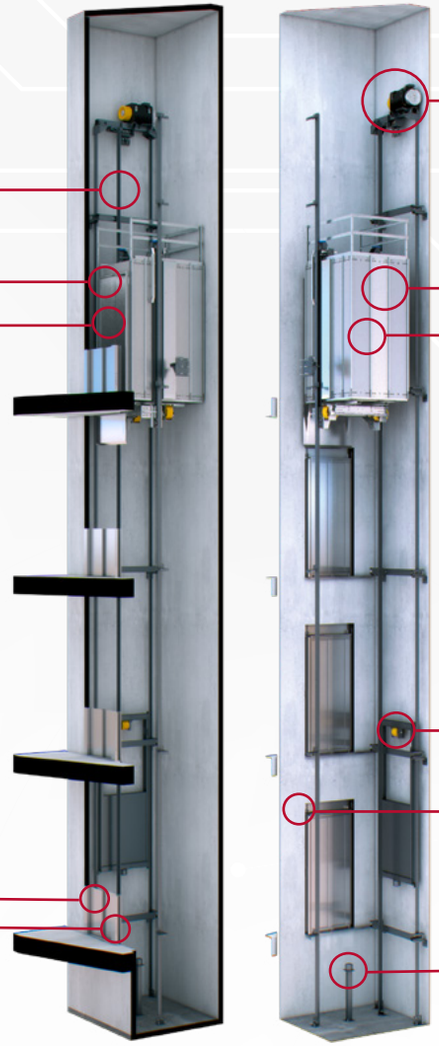
Controller cabinet
Painted **RAL 7044**, with a compact design measuring 350 x 150 x 2160 mm, and E120 fire resistance, located next to the landing door on the top floor

Plug & play Mp ecoGO controller with inverter and stand-by mode

Mp ecoGO prepared for **connectivity** and featuring a digital, built-in emergency telephone line in accordance with EN 81-218
Firmware prepared for remote maintenance

Landing doors
Automatic and telescopic, with 2 steel panels with **RAL 7044** primer, a height of 2000 mm, an aluminium door sill and fire resistance in accordance with **EN 81-58** (E120 and EW60)

Landing operating panel
Door frame LOP (flush), P type, made from stainless steel (X02) and with a laser-engraved logo. **IMPULSE** overmolded button with blue or white light



Gearless machine
Highly efficient and with thermal motor protection

MP CARevolution passenger car
With direction and next departure arrows; a **gong** on the car ceiling; smart, energy-efficient LED lighting (see catalogue)

Car operating panel
FULL HEIGHT COLUMN, made from stainless steel (X02), with a 7-inch blue LCD car display and voice syntheziser in accordance with **EN 81-70**

Counterweight
with a steel frame painted in primer RAL 7044

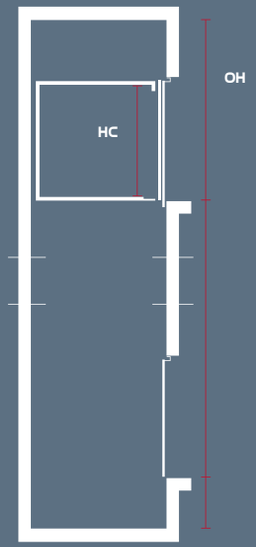
Shaft lighting
Using an **IP68 LED** strip

Pit ladder
With electrical safety contact

Buffers
Made from polyurethane with a metal pedestal included for a speed of 1 m/s

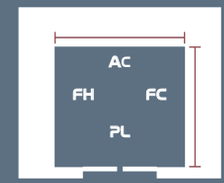
Hydraulic buffers for speeds > 1 m/s

DRAWING



STANDARD ACCESS

AH



DOUBLE ACCESS 180°

Comfort and noise levels comply with all applicable standards.
For more information, please see our noise measurement document.

*X02: AISI 441 SB stainless steel

STANDARD EN 81-20/50

	S SERIES															
	MP410GO!	MP510GO!	MP610GO!	MP616GO!	MP810GO!	MP816GO!	MP1010GO!	MP1016GO!	MP1310GO!	MP1316GO!	MP1510GO!	MP1516GO!	MP1710GO!	MP1716GO!	MP2110GO!	MP2116GO!
Capacity (people)	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/hour	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
Power (metric horsepower/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
Rated current (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 (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 exterior car width (mm)	800	950	1000	1000	1100	1100	1200	1200	1100	1100	1200	1200	1200	1200	1400	1400
FC exterior car depth (mm)	1100	1050	1250	1250	1400	1400	1500	1500	2100	2100	2150	2150	2300	2300	2400	2400
HC interior car 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)	1000	1000	1000	1155	1000	1155	1000	1300	1000	1400	1000	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. 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 (5-m sections)	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 (5-m sections)	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	Cement	Cement	Cement
Design dossier	ACIN3 2010	ACIN3 2010	ACIN3 2010	ACIN3 2010	ACIN3 2010	ACIN3 2010	ACIN3 2010	ACIN3 1000	ACIN3 2010	ACIN3 1000	ACIN3 2010	ACIN3 1000	AC2050-18	AC2050-18	AC2050-18	AC2050-18

PRODUCT OPTIONS:

- **Reduced headroom** (minimum **3000 mm**). Where headroom is between 3000 mm and 3400 mm, the level of safety required by EN 81-21 is applied. For 4 passengers, please ask about feasibility. **Special solutions** involving **headroom of down to 2500 mm** will be looked at upon request. Please ask for more information.
- **Reduced headroom** (minimum **2900 mm**) for new buildings and lifts with a capacity of more than 8 people thanks to our solution which is certified by EU-design examination EQSAH 014 EDE 014.
- **Reduced pit** (minimum **695 mm**). In pits measuring between 695 mm and 1050 mm, the level of safety required by EN 81-21 is applied. For 4 passengers, please ask about feasibility. **Special solutions** involving **pits measuring a minimum of 400 mm** will be looked at upon request. Please ask for more information.
- May be adapted to **single-phase** power

  Capacity of up to 450 kg / 6 passengers and a rated speed of 0.5 m/s: 2.2 kW / 11 A inverter
  Capacity of up to 450 kg / 6 passengers and a rated speed of 1 m/s, or a capacity of up to 630 kg / 8 passengers and a rated speed of 0.5 m/s: 4 kW / 18 A inverter
- Safety gear on counterweight for all models. From 4 to 6 passengers, please ask about feasibility.
- All models can **be adapted to modular self-supporting structures**. Please ask about feasibility.
- **Optional: speed of 2.5 m/s.** Please ask for more information.

- Start-up current = 1.8* rated current
- Data for a door height of 2000 mm

***PLEASE NOTE**: The values included in this table are based on a set of predefined conditions and may undergo changes in accordance with the specific characteristics of each installation. The number of ropes depends on the total weight of the lift.*

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

LANDING OPERATING PANEL

Door frame operating panel (flush), P type, made from stainless steel (X02) and with a laser-engraved logo	S
IMPULSE overmolded button with blue or white light	S
C-type wall box operating panel	O
R-type surface-mounted operating panel	O
Other finishes for operating panel and logo	O
2.8-inch TFT display on operating panel	O
4.3-inch TFT display on lintel	O
Direction and next departure arrows	O
Key switch for preferential service	O
Access control by way of a card reader	O
Key switch for firefighters	O
Operating panels for firefighters (EN 81-72)	O
Additional alarm on landing	O
Gong on landing displays	O
Vandal resistant operating panels (EN 81-71)	O
STYLE metal Braille button with red/blue light	O
DARDO overmolded metal Braille button with blue light (EN 81-72)	O

LANDING AND CAR DOORS

Automatic, telescopic landing doors with 2 steel panels with RAL 7044 primer, a height of 2000 mm, an aluminium door sill and fire resistance in accordance with EN 81-58 (E120 and EW60)	S
Automatic, telescopic car doors with 2 stainless-steel panels (X02), a height of 2000 mm and an aluminium door sill	S
Other landing door configurations: 2-panel centre opening, 3-panel telescopic or 4-panel centre opening	O
Other landing and car door finishes	O
Other door sill models	O
Door sill with drain	O
Façade and butt-joint	O
Other firefighting features certified to EN 81-58	O
Landing door sill cover	O
Other clear heights for car	O
Vandal resistant finishes (EN 81-71)	O
Doors with full-glass panels / large vision panels / vision panels measuring 150 x 900 mm	O

SHAFT ADAPTABILITY

Safety gear on counterweight	O
Reduced headroom (EN 81-21)	O
Reduced pit (EN 81-21)	O
Reduced headroom for new buildings (EU-design certifficate EQSAH 014 EDE 014)	O

CONTROL OPERATING PANEL

FULL HEIGHT COLUMN control operating panel, made from stainless steel (X02), with a 7-inch blue LCD car display and voice announcements in accordance with EN 81-70 (see car catalogue)	S
7-inch TFT colour car display	O
Audio induction loop for passengers wearing a hearing aid	O
Other finishes for the FULL HEIGHT COLUMN operating panel	O
Partial-height FUSION control operating panel with various finishes available	O
Key switch to stop an open door from closing	O
Key switch for preferential service	O
Key switch for authorised personnel	O
Access control by way of a card reader	O
Key switch for firefighters (EN 81-72 non compliant)	O
Key switch for putting the lift out of service	O
Vandal resistant operating panel (EN 81-71)	O

CAR

MP CARevolution passenger car (see catalogue), with direction and next departure arrows; a gong on the car roof; and smart, energy-efficient LED lighting	S
Car ventilation	O
Car exhaust fan	O
Folding seat	O
Panoramic finishes	O
Finishes for goods / bed lifts	O
Equipment for firefighters lifts (EN 81-72)	O
Vandal resistant finishes (EN 81-71)	O

CONTROLLER CABINET

Painted RAL 7044, with a compact design measuring 350 x 150 x 2160 mm and E120 fire resistance, and located next to the landing door on the top floor	S
Other cabinet finishes	O
Cabinet not located next to the top landing door	O

STANDARDS

EN 81-20/50 Passenger and goods passenger lifts	S
EN 81-1 Electric lifts	O
EN 81-21 Existing buildings	O
EN 81-70 Accessibility to lifts for persons with disability	O
EN 81-71 Vandal resistant lifts, categories 1 and 2	O
EN 81-72 Firefighters lifts	O
EN 81-73 Behaviour of lifts in the event of fire	O
EN 81-77 Lifts subject to seismic conditions, categories 1, 2 and 3	O

CONNECTIVITY

MP ecoGO is a connected lift by design and features a digital, built-in emergency telephone in accordance with EN 81-28 Firmware prepared for remote maintenance	S
Analogue emergency telephone line	O
Wi-Fi commissioning and maintenance tool	O

CONTROLLER FUNCTIONS

Pick-up or simple collective operation mode	S
Mixed collective or full collective operation mode	O
Operation mode in a group of up to four lifts	O
Automatic rescue to the nearest available landing iin the direction most favourable to the load	S
Emergency electrical operation	S
Electro-manual rescue through unbalanced load	S
Automatic rescue to the designated landing	S
Door pre-opening	S
Pre-start	S
Direct landing approach	S
Double landing, selective	O
Test mode	S
Shabbat mode	O
Night-time mode	S
Absolute positioning	O
Seismic sensor	O
Triphony	O

ENERGY-SAVING FEATURES

MP ecoGO controller with inverter	S
Gearless machine with permanent magnets and thermal motor protection	S
LED car lighting	S
Smart car lighting control	S
Standby	S
Energy recovery system with accumulators	O

S Standard
O Optional

Mp ecoGO
The Smart Controller

STANDARD EN 81-20/50

Data Sheets

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