

Model MHL2



Specially designed to lift heavy loads in hospitals, hotels, shopping malls; as well as buildings for office and industrial use



The tailor-made solution Maximum flexibility and performance

Main characteristics

Loəd (kg)	2.500 / 3.000 / 3.500 / 4.000 kg	1	32 / 40 / 46 / 53 persons
Speed	Up to 1,00 m/s		
Travel	Up to 60 meters		
Stops	Up to 20 stops		
Shipments	Single entrance Two entrance 1800		
Conditioning system	Electric suspension 4:1		
Maneuver	VVVF controled by electronic board		
Door types	Automatics		
Free passage of doors	1.400 / 1.600 / 1.800 / 2.200 / 2.400 mm		
Door clearance	2.000 / 2.100 / 2.200 mm		
Cabin dimensions	Customized according to project		
Interior cabin height	2.100 / 2.200 / 2.300 mm (others available	e)	
Feeding	380 (3 \sim)		

Thecnological advantages ECO DESSIGN

the user



- The MEC2 lift uses a high-performance permanent magnet synchronous gearless machine for its traction during operation. The added incorporation of the VVF frequency inverter further optimizes energy consumition
- The use of a 2:1 traction system also reduces the necessary energy demand
- No lubrication or refrigeration oils are used as a consequence of using a gearless machine
- The use of a perfectly designed drive pulley reduces the driving torque and as a result the energy demanded by the system
- Polyamide deflection pulleys reduce the moment of inertia and the energy demand of the system is less

CONFORT



The movements made are smooth, comfortable and quiet The starts and stops are progressive and with great precision

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The acoustic level of the machine (45 dB) makes the noise generated during operation imperceptible to

SAFETY



- Electrical rescue system that allows the automatic evacuation of the user in case of being trapped and with no electrical tension in the building. The elevator is automatically positioned on the ground floor, opening the doors and releasing the user
- Two-way communication system in the cabin
- Prevention system for uncontrolled movement of the cabin up and down

OPTIMIZATION

- The spaces in the building are optimized without needing a machine room
- The gap is reduced, leaving more space available for the building
 - Return on investment as a result of existing energy saving on each trip



Standard Dimensions

	V	Single					
LOAD (kg)	PERSONS	CABIN (mm)	DOOR	SINGLE BOARDING (mm)	BOARDING 180º (mm)	PIT EN 8	FLIGHT 1-20
2.500	MHL2 / 32 P	1.750 x 2.700	AC4H - 1.400	2.050 x 3.050	2.550 x 3.270	1.300 (recommended 1.500 mm)	4.200 (recommended 4.500 mm)
3.000	MHL2 / 40 P	1.800 x 2.900	AC4H - 1.400	2.800 x 3.250	2.800 x 3.470	1.300 (recommended 1.500 mm)	4.200 (recommended 4.500 mm)
3.500	MHL2 / 46 P	2.150 x 3.000 2.500 x 6.000 **	AC4H - 1.600 AC4H - 2.200	3.150 x 3.350 3.600 x 6.350	3.150 x 3.570 3.600 x 6.560	1.300 (recommended 1.500 mm)	4.200 (recommended 4.200 mm)
4.000	MHL 2 / 53 P	2.350 x 3.000 2.700 x 6.000 **	AC4H - 1.800 AC4H - 2.400	3.350 x 3.350 3.800 x 6.350	3.350 x 3.570 3.800 x 6.560	1.300 (recommended 1.500 mm)	4.200 (recommended 4.500 mm)

* Measures with pisadera flown in hollow. With a foot resting on the floor, the size of the bottom of the hole could be reduced.

The preparation of niches in the upper part of the hole is necessary for the support of the benches on the front and rear walls; or, the placement by the builder of two beams, on the door of the last floor and on the back wall.





More about the MHL2 Model

Regulations	The lift complies with :			
	European Directive of lifts 2014/33/UE	EN 81-20	EN81-50	
	EN 81-21	EN 81-28	EN 81-70	
	EN 12015	EN 12016		
Conditions	Operating			
	Temperature range	of 5-40° in the machinery space according to (EN81-20:2014)		
	Humidity	up to 95%		
Performance				
	Capacity	125% of rated load		
	Stopping accurancy	+/- 5 mm		
	Aceleration	0,5 m/s²		
	Deceleration	0,5 m/s²		
	Noise level	less than 45 dB on landing		
	Start frecuency	120 - 180 starts / hour		

ROPPING

Ropping 2:1

MACHINE

- GEARLESS synchronous permanent magnets machine
- Low energetic consumition
- Does not use oil
 - Soft running and low noise (45 dB)
- Reduced diameter sheaves 320 mm
- 380V-3 fases

BRAKE

Of double effect according to EN 81-20:2014

ENCODER

- Absolute Encoder BISS-C
- Absolute Encoder Endat 1313





Optional

TIMER CAR LIGHT



The turning off the car light can be timed so that after a certain time, an there is automatic shut-off

MECHANICAL LOCK DEVICE



This is a device that allows the locking of landing doors preventing its opening, unless the car door and the landing door are facing

FIRE ALARM

SELECTIVE OPENING OF DOORS



Option that allows lift cabins having double entrance on the same floor, to configure the door you want to be open

FIRE ALARM



When the switch fire or fire sensors are activated, the elevator will return to the designated floor, opening doors and allowing the release of all passengers. All existing calls will be canceled and the elevator will be out of service (according to standard EN 81-73)



In addition to the fire emergency, the elevator allows it to be used by firefighters to evacuate people.

For this, they have a panel for exclusive use that allows the elevator to move using keys and as long as the emergency fire alarm has been activated

EARTHQUAKE ALARM



When the seismic sensor is activated, the cabin will stop at the next floor, will open doors and remain still with open doors

AUTOTRANSFORMER

REDUCED PIT KIT

REDUCED HEADROOM KIT



Electrical device that increases the input voltage, maintaining power. It is used to feed 380 V/3F engines or motors when the voltage is 208 V/3F or 220 V/3F



It is used when it is impossible, for architectural or other issues, to obtain a regulatory pit for maintenance by qualifies personnel. It is consists of : Mechanical stop / System for detecting people in pit / Retractable spoiler with safety contact It is used when it is not possible to obtain superior security space on top of the shaft (headroom). It is consists of : Mechanical stop / System for detecting people on ceiling







OMEGA ELEVATOR



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Counterweight



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Cab chassis

Flight

Pit

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