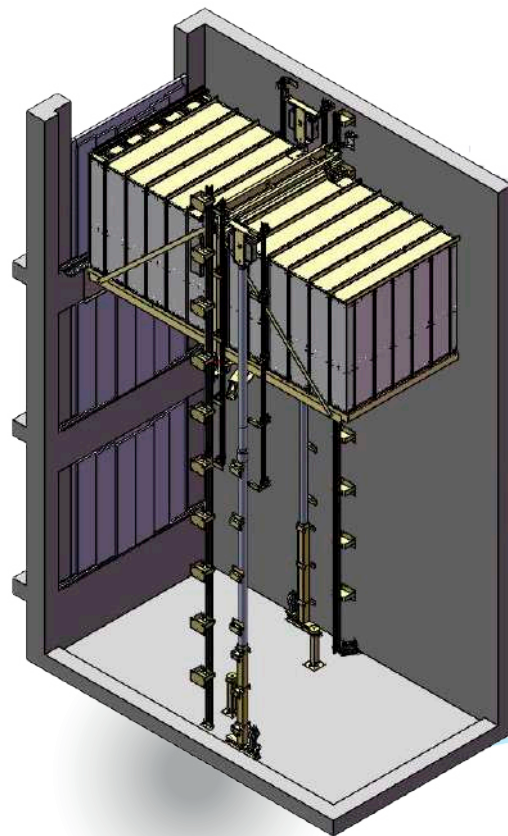


**OMEGA**  
ELEVATOR

*Model HM*



*Car lift specially designed to lift vehicles with  
their occupants in parking lots of hospitals,  
hotels, shopping centers, office and industrial  
buildings*





# The tailor-made solution

## Maximum flexibility and performance

### Main characteristics

Load (kg)	3.000 / 3.500 / 4.000 kg
Speed	0,20/0,30 m/s
Travel	Up to 20 meters
Stops	Up to 6 stops
Shipments	Single entrance   Two entrance 180°
Conditioning system	Hydraulic 1:1 ó 2:1 according to travel
Valve group	2V or electronic
Door types	Automatics
Free passage of doors	2.300 / 2.400 / 2.500 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
Feeding	380 (3 ~) 50/60 Hz

### Technological advantages

#### ECO DESIGN



- Using DRY control units combined with star-delta starting devices, the installed power and consumption are reduced by up to 40%
- Reduction of electricity consumption and noise level using soft-starter devices
- Environmentally friendly
- Optimized hydraulics for the use of ecological fluid

#### CONFORT



- The movements made are smooth, comfortable and silent
- The starts and stops are progressive and with great precision
- Stop precision:  $\pm 5$ mm
- Possibility of adjusting the stop by using the soft-stop device that allows regulating the deceleration, thus providing a higher level of comfort to users

#### SAFETY



- Parachute valve with CE marking that acts in case of overspeed, system failure or hydraulic hose break
- Maximum and minimum oil pressure detection system in the hydraulic circuit
- Emergency valve to perform the rescue maneuver in descent
- Manual pump to carry out the rescue maneuver on the rise
- Two-way communication system in the cabin
- Mechanical safety device to stop the cab from falling during loading and unloading operations

#### OPTIMIZATION



- Higher performance than other valve groups
- The space destined for the machine room can be reduced by using a cabinet in which both the hydraulic unit and the electrical control panel are housed



# Standard Dimensions

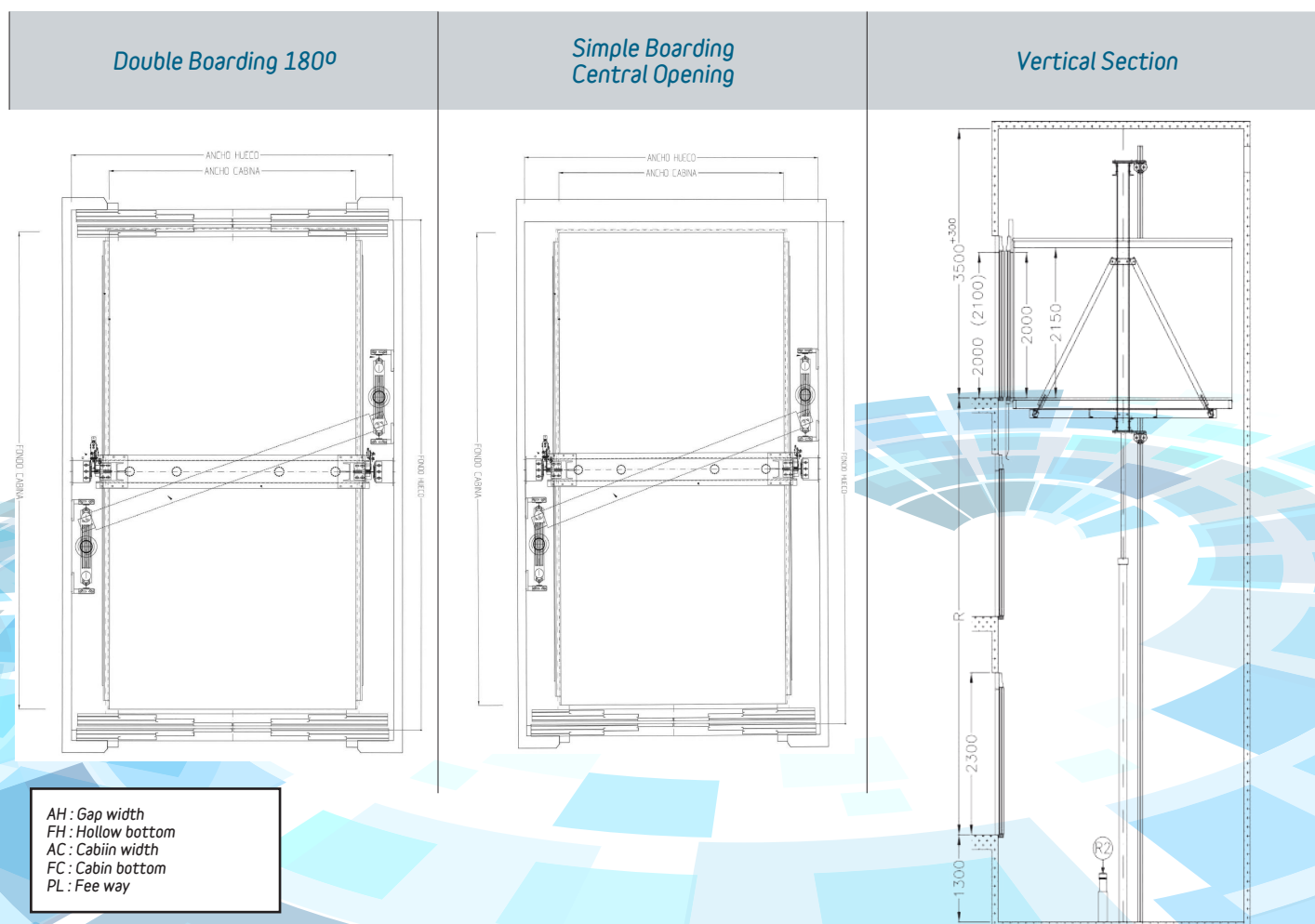
## Single / double 180

LOAD (kg)	SURFACE * m <sup>2</sup>	CABIN * (mm)	DOOR	HOLE		PIT  EN 81-20	FLIGHT
				SINGLE BOARDING (mm)	BOARDING 180° (mm)		
3.000	≤10,6	2.150 x 4.900	AC6H - 2.000	2.950 x 5.250	2.950 x 5.330	1.200	3.400
3.500	10,7 ÷ 12,6	2.400 x 5.200	AC8H - 2.300	3.200 x 5.550	3.200 x 5.630	1.200	3.400
4.000	12,7 ÷ 14,6	2.600 x 5.600	AC6H - 2.500	3.600 x 5.950	3.600 x 6.050	1.200	3.400

Measures with supported sill

\* According to table 7 of at 81-20

## Setting





# More about the HM 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 81-58
	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 accuracy	+/- 5 mm	
	Aceleration	0,5 m/s²	
	Deceleration	0,5 m/s²	
	Noise level	less than 45 dB	
	Start frequency	30 starts / hour	

## ROPPING

- Ropping 1:1 or 2:1

## HYDRAULIC POWER STATION

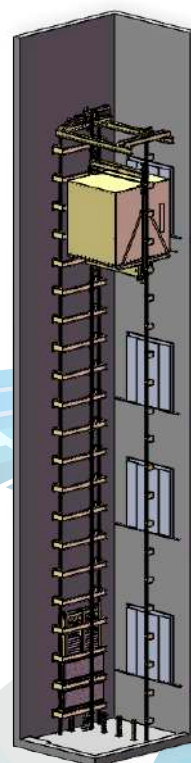
- 2v or electronic valve group
- Submerged motor with spindle pump
- Maximum pressure limiting valve
- Minimum pressure valve
- Rescue hand pump
- Emergency valve in descent to carry out rescues

## HYDRAULIC CYLINDERS

- With parachute valve

## HYDRAULIC HOSES

- Flexible or rigid according to en 81-20





# Optional

## TIMER CAR LIGHT



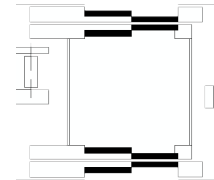
The turning off the car light can be timed so that after a certain time, an there is automatic shut-off

## MECHANICAL LOCK DEVICE



Mechanical anti-drift safety device. Its function is to provide greater safety in loading / unloading operations, always keeping the cabin-floor level.  
This device anchors the chassis to the guides when the cab is stopped and prevents its downward movement during the vehicle entry operation

## 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)

## FIRE ALARM



**Refrigerator** : Device that allows refrigerate the oil to ensure correct operation of the installation. Recommended for environments with very hot temperatures or very high traffic.

**Heater** : Device that guarantees that the oil is always at the correct proper operating temperature. Recommended for environments with very cold temperatures.

## 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



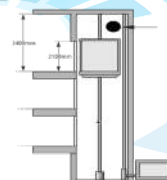
Electrical device that increases the input voltage, maintaining power.  
It is used to feed 380 V/3F engines or motors when the voltage is 208 V/3F or 220 V/3F

## REDUCED PIT KIT



It is used when it is impossible, for architectural or other issues, to obtain a regulatory pit for maintenance by qualified personnel.  
It consists of :  
Mechanical stop / System for detecting people in pit / Retractable spoiler with safety contact

## REDUCED HEADROOM KIT



It is used when it is not possible to obtain superior security space on top of the shaft (headroom).  
It consists of :  
Mechanical stop / System for detecting people on ceiling





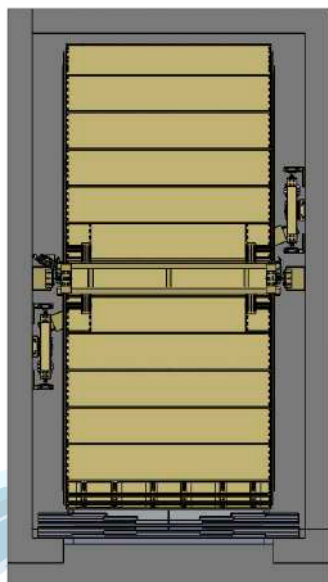
**OMEGA**  
ELEVATOR



## OMEGA ELEVATOR

*Polígono Industrial de Júndiz  
C/ Júndiz, 29  
01015 VITORIA-GASTEIZ  
(Spain)*

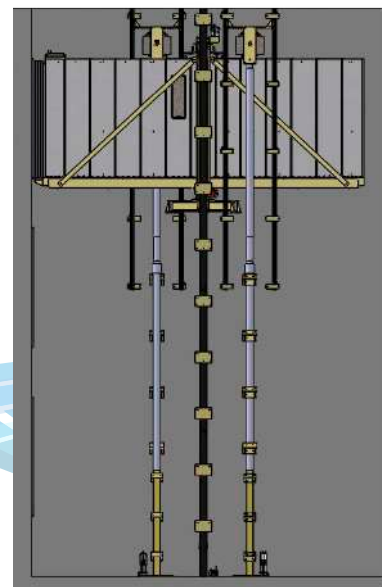
*Phone : +34 945 290 308*



*Floor*



[www.omegaelevator.com](http://www.omegaelevator.com)



*Elevation*