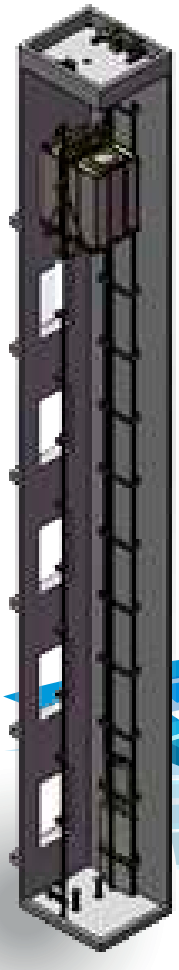
OMEGA ELEVATOR

Model ETG

ETG

The traditional elevator with machine room

Designed to be installed in new construction buildings for residential use, offices or hotels up to 2.5 m / s



The tailor-made solution
Maximum flexibility and performance

Main characteristics

Load / Capacity	320 / 450 / 630 / 800 / 1.000 / 1.250 / 1.350 / 1.500 / 2.000 kg | 4 / 6 / 8 / 10 / 13 / 16 / 18 / 20 / 26 persons
Speed	Up to 2,5 m/s
Maximum travel	Up to 100 meters
Maximum number of stops	Up to 40 stops
Shipments	Simple entrance | Two entrance 180º
Conditioning system	Electric suspensión 1:1 ó 2:1
Maneuver	VVVF controled by electronic board
Door types	Automatics
Free passage of doors	700 / 800 / 900 / 1.000 / 1.100 / 1.200 / 1.300 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 (other available)
Feeding	380 (3 ∿) | 220 (1 ∿) (up to 8 persons)

Thecnological advantages

ECO DESIGN

- The ETG lift uses a hight-performance permanent magnet synchronous gearless machine for its traction during operation. The added incorporation of the VVVF 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 drive pulleys of different diameters allows designing the optimal solution for each project
- 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
- The acoustic level of the machine (45 dB) makes the noise generated during operation imperceptible to the user

SAFETY

- Electrical rescue system that allows 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 position of the counterweight can be lateral or at the bottom, optimizing the necessary space in each case
- The gap is reduced, leaving more space available for homes, offices, bedrooms, ...
- Return on investment as a result of existing energy saving on each trip
- Adaptable to existing holes

Standard Dimensions

Embarque simple

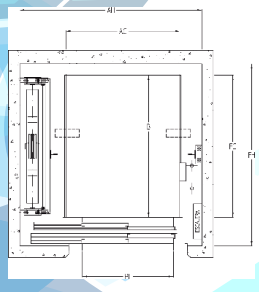
LOAD (kg)	PERSONS	CABIN	DOORS	SIDE COUNTERWEIGHT	COUNTERWEIGHT TO THE BOTTOM	PIT	FLIGHT
						EN 81-20	
320	4	900 x 1.000	AT2H - 700 AC2H - 700	1.400 x 1.475 1.580 x 1.475	1.400 x 1.500 1.580 x 1.455	1.200	3.600
450	6	1.000 x 1.250	AT2H - 800 AC2H - 800	1.550 x 1.570 1.780 x 1.570	1.500 x 1.750 1.780 x 1.700	1.200	3.600
630	8	1.100 x 1.400	AT2H - 900 AC2H - 900	1.650 x 1.700 1.980 x 1.720	1.650 x 1.900 1.980 x 1.850	1.200	3.460
800	10	1.300 x 1.400	AT2H - 900 AC2H - 900	1.850 x 1.700 1.980 x 1.720	1.750 x 1.950 1.980 x 1.930	1.200	3.600
1.000	13	1.400 x 1.600	AT2H - 900 AC2H - 900	1.980 x 1.950 1.980 x 1.900	1.850 x 2.200 1.980 x 2.130	1.200	3.600
1.000	13	1.100 x 2.100	AT2H - 900 AC2H - 900	1.650 x 2.450 1.950 x 2.450	1.700 x 2.700 1.980 x 2.650	1.200	3.600
1.250	16	1.500 x 1.750	AT2H - 1.000 AC2H - 1.000	2.350 x 2.150 2.350 x 2.150	1.950 x 2.350 2.200 x 2.300	1.200	3.600
1.350	18	1.500 x 1.900	AT2H - 1.100 AC2H - 1.100	2.350 X 2.300 2.400 X 2.300	1.950 x 2.500 2.400 x 2.500	1.200	3.600
1.500	20	1.500 x 2.100	AT2H - 1.200 AC2H - 1.200	2.350 x 2.500 2.600 x 2.500	2.100 x 2.500 -----	1.200	3.600
2.000	26	1.500 x 2.700	AT2H - 1.300 AC4H - 1.300	2.350 x 3.050 2.350 x 3.050	2.250 x 3.300	1.200	3.600

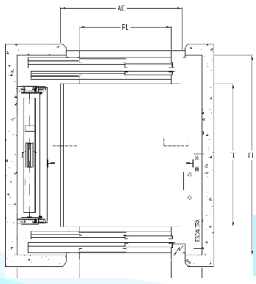
1.- Simple boarding. Hollow bottom with the tread fully completely flown into the hollow
2.- Double boarding. Hollow bottom with both treads completely flown into the hollow
3.- The cabin dimensions are configurable depending on the existing gap
4.- The pit and head measurements indicated in the table are for a speed of 1 m / s

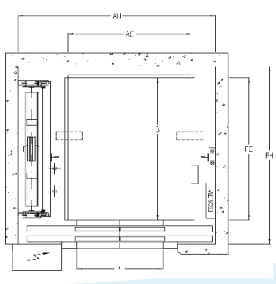
(Only some examples are shown in the table)

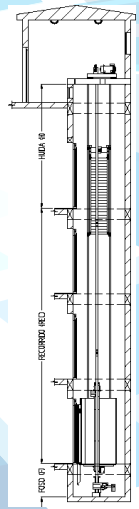
Configuration

Simple Boarding Side Opening	Double Boarding 180º	Simple Boarding Central Opening	Vertical Section









AH : Gap width
FH : Hollow bottom
AC : Cabin width
FC : Cabin bottom
PL : Free way

More about the ETG Model

Regulations	**The lift complies with :**		
	European Directive of lifts 2014/33/UE	EN 81-20	EN 81-50
	EN 81-21	EN 81-28	EN 81-70
	EN 12015	EN 12016	
Conditions	**Operating**		
	Temperature range	of 5-40º in the machinery space according to (EN 81-20:2014)	
	Humidity	up to 95%	
Performance			
	Capacity	125% of rated load	
	Stopping accuracy	+/- 5 mm	
	Aceleration	0,5 m/s^2	
	Deceleration	0,5 m/s^2	
	Noise level	less than 45 dB on landing	
	Start frecuency	120 - 180 stars / hour	

ROPPING

- Ropping 1:1 ó 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 210, 240 mm. according to lifting loads and speeds
- 380V-3 phases (220V-1F up to 8 persons)

BRAKE

- Of double effect according to EN 81-20:2014

ENCODER

- Absolute Encoder BISS-C
- Absolute Encoder Endat 1313

Optional

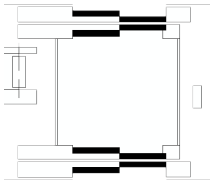
TIMER CAR LIGHT

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

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

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

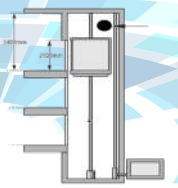
AUTOTRANSFORMER

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

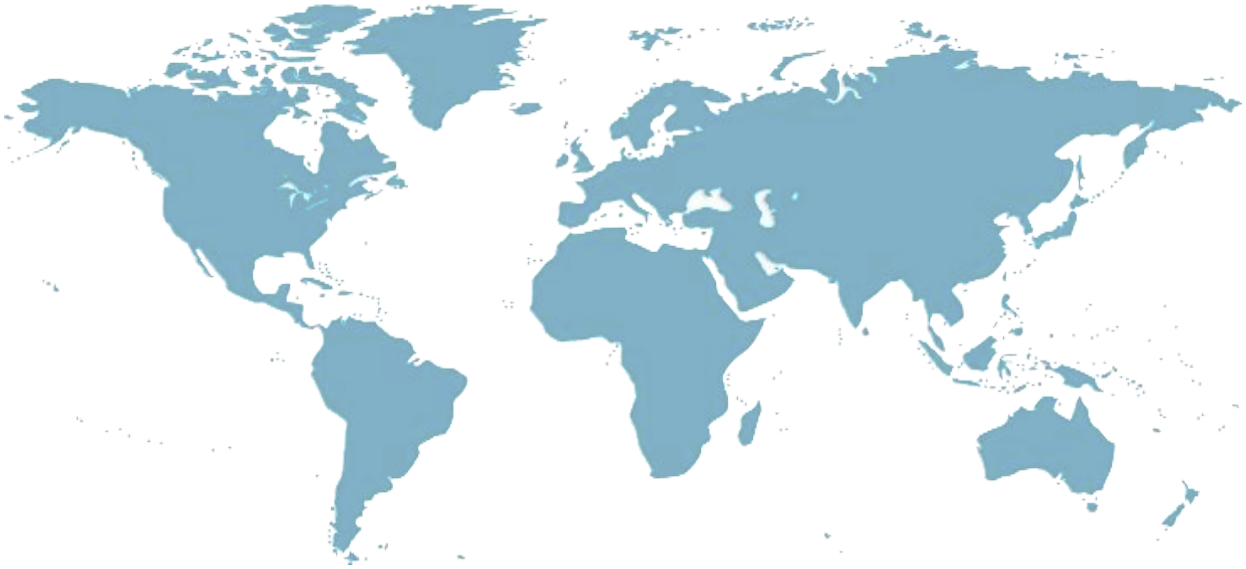
REDUCED PIT KIT

It is used when it is impossible, for architectural or other issues, to obtain a regulatory pit for maintenance by qualifies personnel.
It is 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 is consists of :
Mechanical stop / System for detecting people on ceiling



OMEGA ELEVATOR

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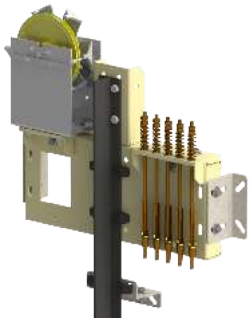
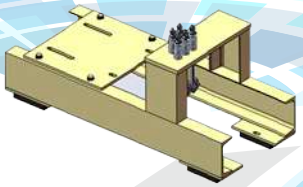
Chassis



Counterweight



Bench with machine room

www.omegaelevator.com