

OTIS Genesis

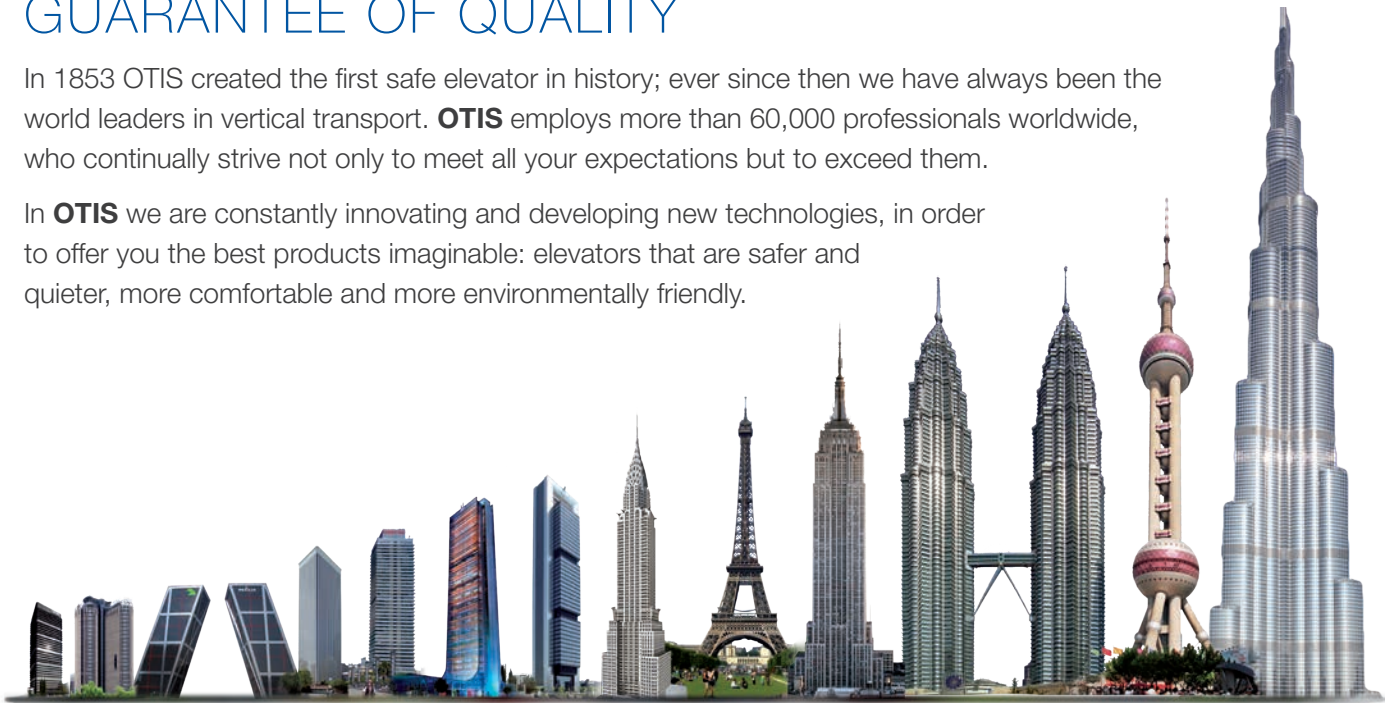


THE WAY TO GREEN™

GUARANTEE OF QUALITY

In 1853 OTIS created the first safe elevator in history; ever since then we have always been the world leaders in vertical transport. **OTIS** employs more than 60,000 professionals worldwide, who continually strive not only to meet all your expectations but to exceed them.

In **OTIS** we are constantly innovating and developing new technologies, in order to offer you the best products imaginable: elevators that are safer and quieter, more comfortable and more environmentally friendly.



RESPECT FOR THE ENVIRONMENT

Environment-responsibility is one of the fundamental pillars of **OTIS**' philosophy. We are determined to make a "green" future a reality and to set a benchmark for the elevator industry by developing clean, low energy consumption technologies.

We also apply this philosophy to our manufacturing processes and to our maintenance operations.



MAXIMUM ENERGY EFFICIENCY RATING IN ALL CATEGORIES

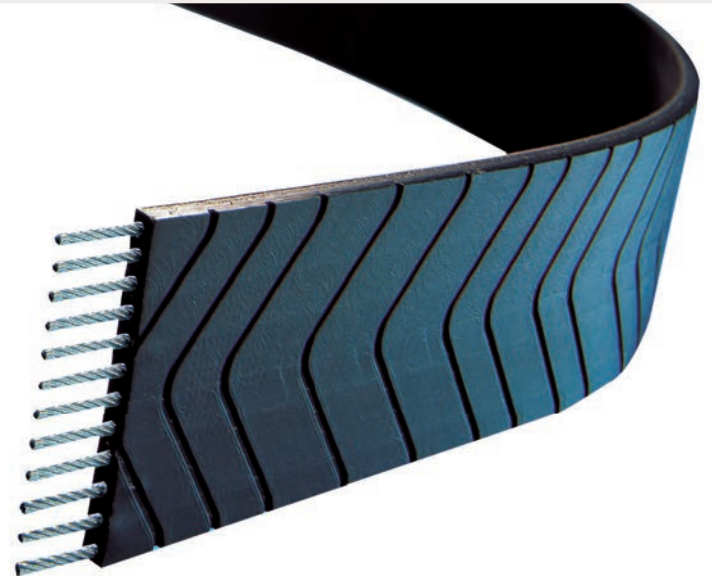
Our elevators have obtained the maximum rating in energy efficiency according to the VDI4707 standard for all five usage intensity categories. AAAAA

A STATE-OF-THE-ART ELEVATOR

The **OTIS** Genesis uses flat polyurethane-coated steel belts instead of the traditional steel ropes.

They are 20% lighter and last up to three times longer. Their superior flexibility allows the belts to bend around smaller diameter sheaves and makes it possible to use a more compact gearless machine which is 50% more efficient than a conventional machine.

Neither the belts nor the machine, with sealed bearings, require any type of lubricant.



SILENCE AND COMFORT

With our exclusive flat belt technology the metal-to-metal effect is eliminated, thus achieving a quiet operation

A closed-loop, variable-frequency drive with vector control eliminates sudden changes of car speed and enables consistently smooth acceleration and deceleration.

The stopping accuracy and car-to-floor levelling is practically perfect to within +/- 3mm.

SAFETY

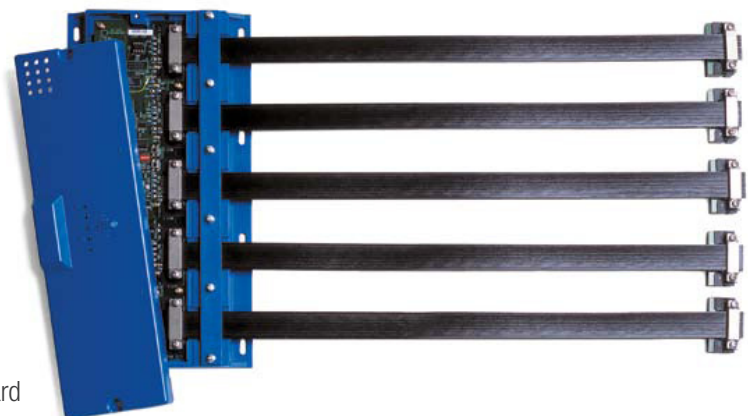
The **OTIS** Genesis is equipped with the Pulse electronic system which monitors the status of the belts 24 hours a day, 365 days a year.

In addition, it has advanced safety systems and devices such as:

- Protection systems for technicians on top of car and in pit.
- Passenger rescue system MRO
- Overload device
- Passenger protection system DTR
- System monitoring device
- Two-way communication system that ensures compliance with the standard EN81-28.

Safety can be further enhanced with optional devices such as:

- Light ray device or protective curtain of infrared beams at the entrances
- Package designed to comply with the EN81-70 accessibility standard
- Automatic passenger rescue ARO



RANGE OF AESTHETICS



- ▶ Flat ceiling with low energy consumption spot lighting. LED lighting and automatic switch-off of car lighting are optional.

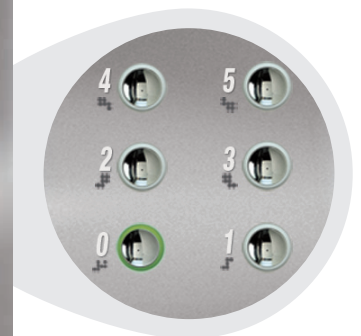
- ▶ Half mirror on rear wall optional.



- ▶ Hall position indicator

- ▶ Car operating panel in stainless steel flush with the car walls.

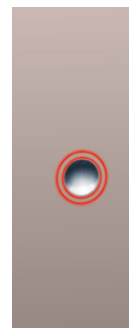
- ▶ Short stroke pushbuttons



Optional handrail opposite car operating panel or at the rear



Hall position indicator optional



Hall button incorporated directly into the door frame



Hall button box optional

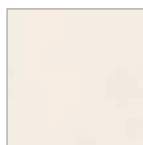


AESTHETICS

CAR PANELS IN SKINPLATE



SAND

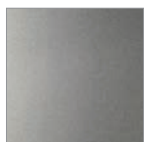


CREAM



ZIRCON
BLUE

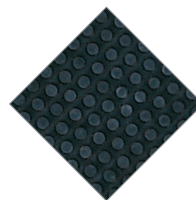
CAR PANELS IN STAINLESS STEEL



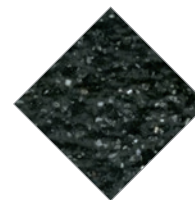
BRUSHED

FLOORING

RUBBER FLOORING SLIP-RESISTANT OR BLACK STUD

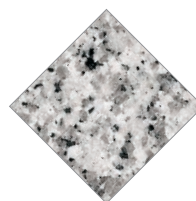


BLACK STUD

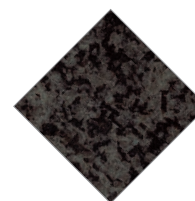


BLACK
SLIP-RESISTANT

LIGHTWEIGHT GRANITE FLOORING WHITE OR BLACK



WHITE



BLACK

If preferred, flooring prepared to be laid on site

TECHNICAL SPECIFICATIONS

TRACTION EQUIPMENT

- Gearless sealed machine and permanent magnet motor
- Traction by means of flat belts
- 2:1 configuration with lower suspension

CONTROL

- Closed loop, variable frequency drive

CONTROLLER

- Modular microprocessor control system, (MCS220), combined with an advanced variable frequency, variable voltage drive.
- Located in the frame of top floor landing door. As an option, it can be installed at a distance of up to 20 metres.
- Two-way communication and remote intervention system.

OPERATION

- Simple automatic or down collective.
- Up to 2 elevators in a group.

TYPES OF DOORS

- Automatic, telescopic doors
- Equipped with a variable speed, digital control system, self-cleaning slotted sill and aluminium door track with protected roller system.
- Stainless steel or prime finish for subsequent painting.

ENTRANCES

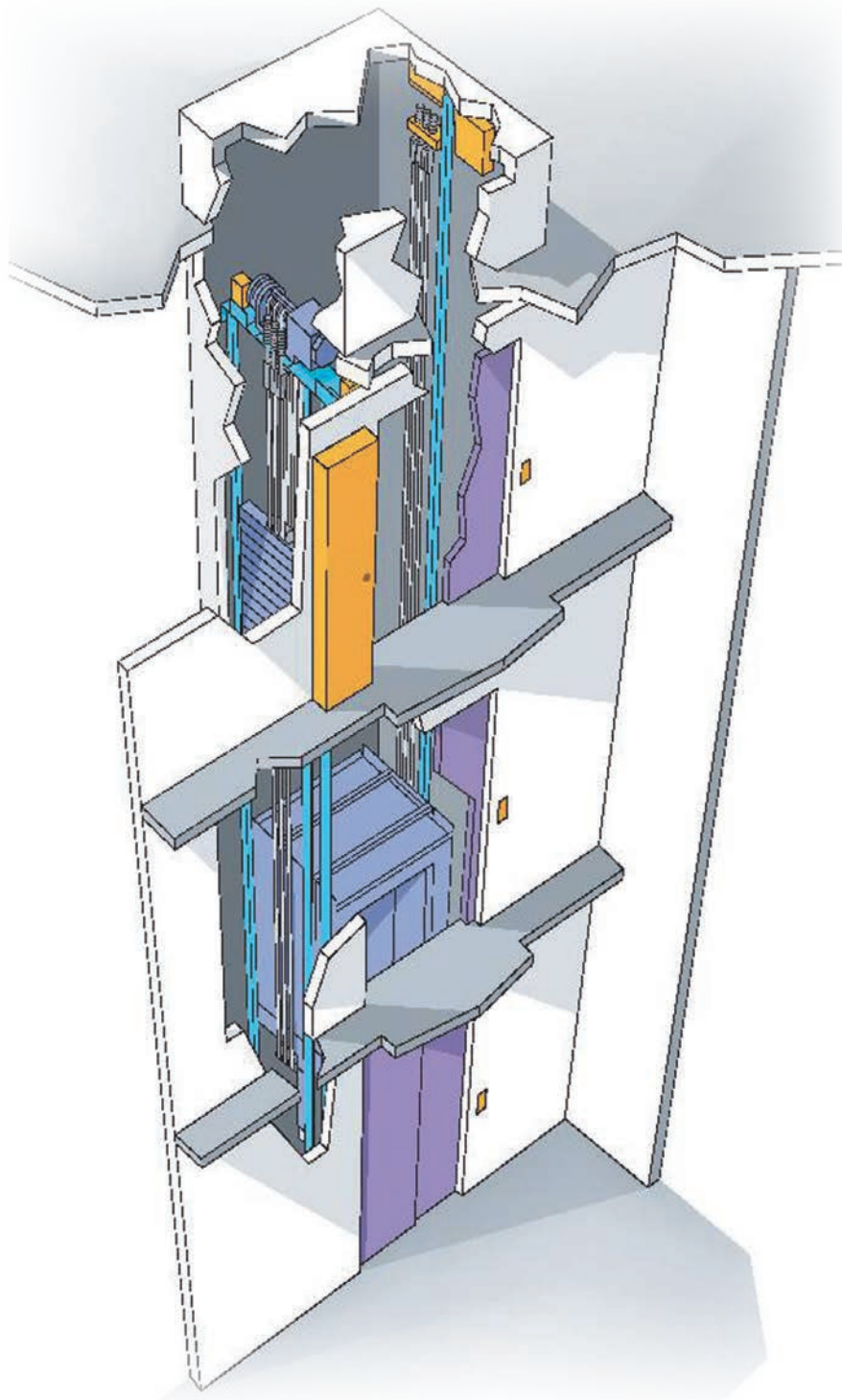
- One or two entrances
- Maximum rise: 7 stops, 21 metres

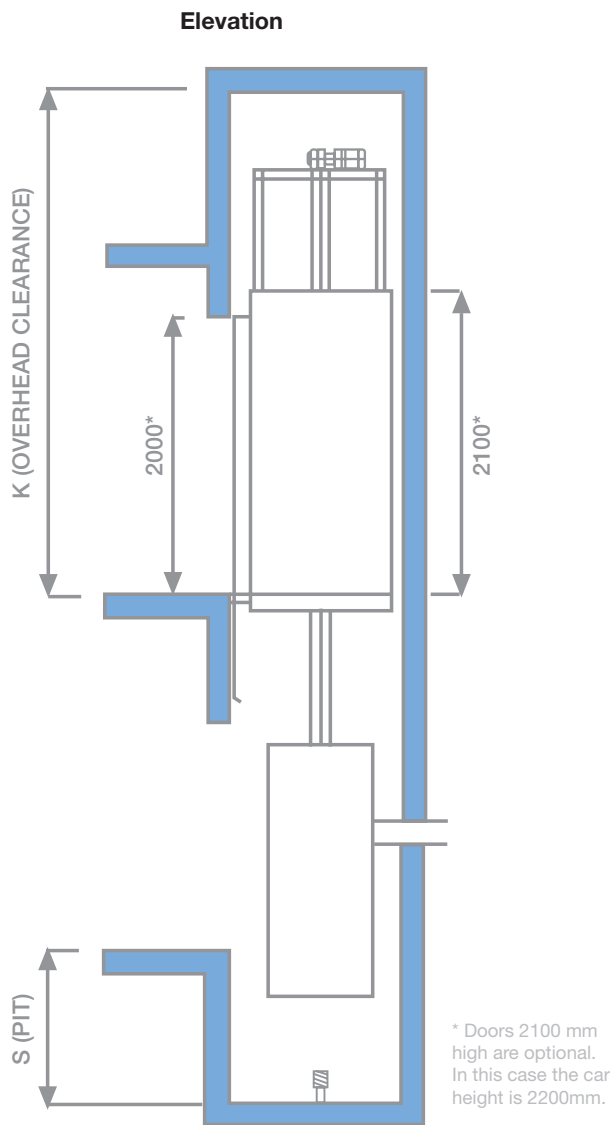
LOAD CAPACITY

- 6 passengers (450 kg) and 8 passengers (630 kg)

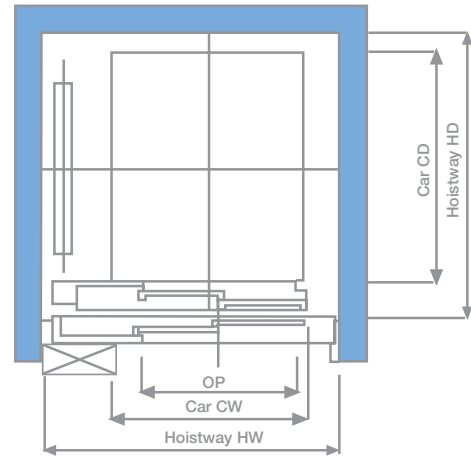
RATED SPEED

- 1 m/s

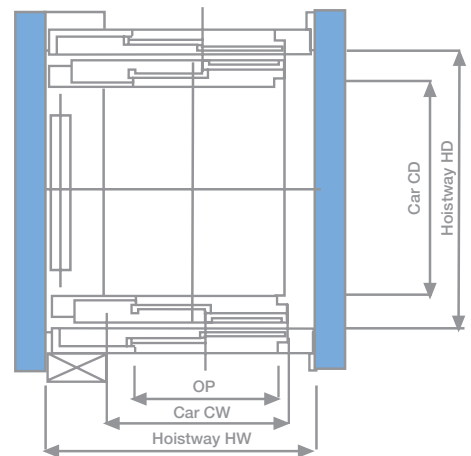







Floor plan
one entrance, telescopic door



Floor plan
two entrances, telescopic door



Load capacity	Car CWxCD	Hoistway HWxHD	Door opening OP
450 Kg  480 Kg 	1000x1250	1 entrance	1550x1500
		2 entrances 180°	1550x1600
		1 entrance	1650x1500
		2 entrances 180°	1650x1600
630 Kg 	1100x1400	1 entrance	1600x1650
		2 entrances 180°	1600x1750
		1 entrance	1650x1650
		2 entrances 180°	1650x1750
			800
			Telescopic
			900
			Telescopic
			800
			Telescopic
			900
			Telescopic

Overhead clearance K=3400; Pit S=1000
 All elevators accommodate wheelchair users
 Dimensions in millimetres - Doors mounted on landing



One of the largest installations of photovoltaic solar panels in industrial buildings in Spain is on the roof of our Industrial Centre where the Genesis is manufactured. Comprised of 3,600 panels of 200 W, it covers an area of 12,450 m².



Safety



Respect for the environment



Code of Ethics



www.otis.com



Otis respects the Environment. Recyclable material. When no longer needed, please place in waste container.