GEN2 FLEX+ ELEVATOR

The most adaptable elevator

OTIS

Same space, greater capacity

This elevator is ideal for any project, both new construction and refurbished buildings

UP TO 50% MORE CAPACITY
From 4 to 6 passengers without construction work.

MINIMUM HOISTWAY DIMENSIONS
Possible to install or to replace an elevator in tight spaces. It can also be installed in hoistways with low pits or overhead clearances.

Special configuration for elevators with two entrances at 90° and possibly panoramic elevators.

SAVINGS
Maximize energy efficiency by combining LED lighting, standby-mode and regenerative technology as standard.

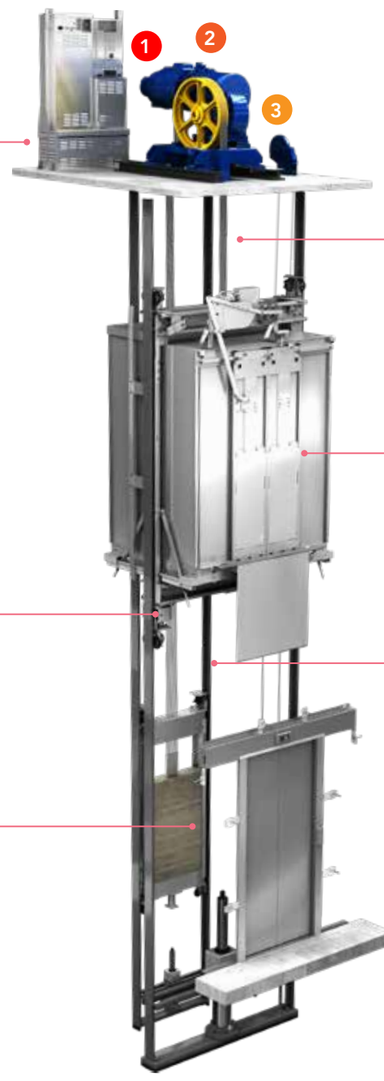
AESTHETICS
Choose a design that compliments your project style with more than 400 000 custom combinations.

More passengers in the same space

FROM 4 PASSENGERS → TO 6 PASSENGERS

CONVENTIONAL ELEVATOR

MACHINE ROOM
1. Controller
2. Machine
3. Overspeed governor



Guide rails

Car for 4 passengers

Guide rails

Traditional **steel ropes**

Counterweight at the rear

GEN2 FLEX+ ELEVATOR

Machine room eliminated

Machine installed in the hoistway

PULSE 24H System

Flat belts

Overspeed governor

Controller

Guide rails at the side

Car for 6 passengers

Counterweight at the side

POSSIBLE
Two entrances at 90°
Low pit
Panoramic elevator
Low overhead

Up to 50% more capacity

Enjoy the technological advantages

COMFORT
The machine is 80% smaller than a conventional one, and thus allows it to be installed in the hoistway. You can use the machine room for another use as a cleaning room, lumber room etc.

The traditional ropes are replaced by flexible flat steel belts which provide a very smooth car operation and its variable frequency system guarantees starts and stops that are hardly noticeable.

RELIABILITY AND SAFETY
Thanks to the Pulse System, the flat belts are continuously monitored 24 hours a day, 7 days a week and last 3 times longer than traditional ropes.

The Gen2 Flex+ achieves outstanding stopping accuracy, making it easy to enter and exit the car and avoiding trips or falls.

ENERGY SAVINGS
The machine is up to 50% more efficient than a conventional geared machine.

The Gen2 Flex+ is equipped with a regenerative system, the ReGen Drive. In conventional elevator systems, the energy generated by the elevator is dissipated in the form of the heat. The ReGen Drive is able to capture this energy and feed it back into the building grid, where it can be used to power other electrical components.

Led lighting, up to 80% savings when combined with standby features.

SUSTAINABILITY
The flat belts and the machine are lubrication-free, thus contributing to environmental protection.

ENHANCED BUILDING
Installing a Gen2 Flex+ elevator increases a building's value, makes the property more accessible and residents' lives easier.

Gen2 Flex+ specifications

The Otis Gen2 Flex+ was engineered to fit into any type de hoistway and can be configured with the guide rails and the counterweight to one side or with the guide rails to both sides and the counterweight behind the car.

TRACTION EQUIPMENT

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

CONTROL

- Closed loop, variable frequency

CONTROLLER

- Modular microprocessor control system, combined with an advanced variable frequency, variable voltage drive
- Located in the landing door column on the top floor. 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. Down collective. Selective collective
- Up to 3 elevators in a group

TYPES OF DOORS

- Automatic telescopic doors, centre-opening or semi-automatic BUS doors
- Equipped with a variable speed, digital control system, self-cleaning slotted sill and aluminium door track with protected roller system
- Stainless steel finish or prime coated steel ready for finishing

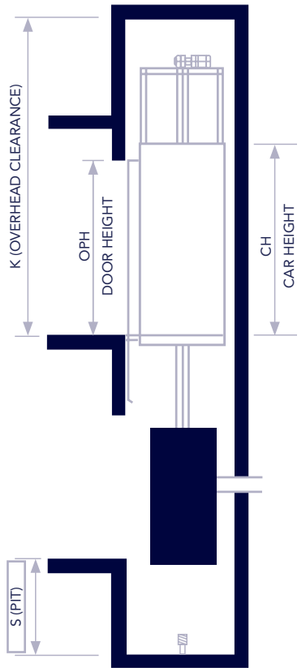
ENTRANCES

- One or two entrances (90° and 180°)

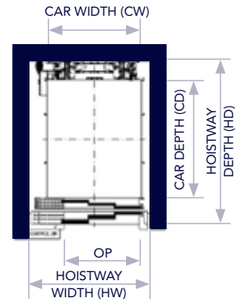
Door height	Car height	Overhead clearance at 1.0m/s	Minimum pit Granite flooring	Minimum pit Rubber flooring	Dimensions of controller cabinet
2000	2100	3300	400	380	2100mm high x 330mm wide x 95mm deep
2000	2200	3400	400	380	
2100	2300	3500	400	380	

Possibility of combining minimum overhead and minimum pit (consult measurements)
Minimum pit 400/380 mm models with 1 entrance; consult Zardoya Otis for other models and for lower overhead clearances as well.

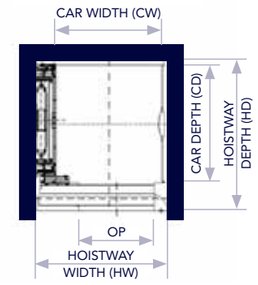
Vertical section



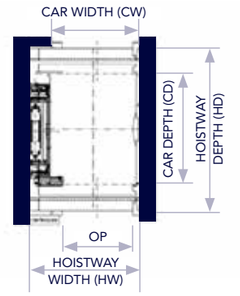
One entrance
Car frame at the rear*



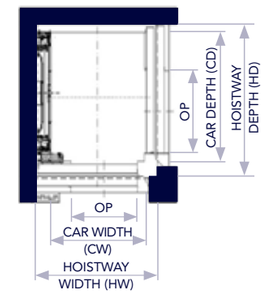
One entrance
Car frame at the side*



Two entrances 180°
Car frame at the side*



Two entrances 90°
Car frame at the side*



**Consult Zardoya Otis about type of doors.*

Duty Load (Kg)		225 to 630
Passenger capacity		3 to 8 passengers
Speed (in m/s)		1
Car dimensions (mm) Counterweight on side-wall	Width	750:1250
	Depth	790:1500
Car dimensions (mm) Counterweight on rear-wall	Width	790:1500
	Depth	750:1250
Maximum number of stops		16
Maximum rise (m)		45
Cars in groups		Up to 3
Car entrances		1 or 2
Counterweight safeties		Optional
Standard Power		380 - 400 - 415
Frequency (Hz)		50 - 60
Stopping acurracy (mm)		±3

Natural and Modern Collections

New car designs that combine distinct forms, materials, textures and lighting. Two different collections: Natural and Modern, each of which has three finishes Standard, Advanced and Premium.

The car interior uses indirect LED lighting integrated into the four corners, creating a sensation of space and depth, and stressing the textures of the materials used.

eView

The constant work carried out by OTIS in research and design to create products that bring safety and comfort to elevators has made eView a reality.

eView is an innovative audiovisual intercom specifically designed for elevators, a unique product on the market.

This device provides two-way communication with Otis' 24-hour Service Centre by videoconference, offering passengers a greater feeling of comfort and security.

In addition, it acts as a broadcaster of general contents, news, weather forecasts, cultural information, etc.

Otis Elevator Company is the world's largest manufacturer and maintainer of people-moving products including elevators, escalators and moving walkways. With headquarters in Farmington, Connecticut, Otis employs 60,000 people globally, offers products and services in approximately 200 countries and territories and maintains more than two million elevators and escalators worldwide. United Technologies Corp., based in Hartford, Connecticut, is a diversified company providing high technology products and services to the building and aerospace industries.

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