

Otis Elevator Company is the world's leading manufacturer and maintainer of elevators, escalators and moving walkways.

Founded more than 160 years ago by the inventor of the safety elevator, Otis offers products and services through its companies in more than 200 countries and territories, and maintains approximately 2 million elevators and escalators worldwide. Every day, Otis moves more than 2 billion people through the world's urban landscapes.

Otis is a unit of United Technologies Corp. (UTC), a leader in the global building systems and aerospace industries. For more information, visit www.otis.com. Follow us on Twitter @OtisElevatorCo.



Exceptional. It's hard to define, but exciting to experience. And that's exactly what you'll discover with the Gen2® Premier elevator from Otis.

The revolutionary Gen2 Premier is everything you want in an elevator: compact, efficient, reliable. And a pleasure to ride.

The Gen2 elevator is perfect for residential or commercial use and it's our bestselling elevator ever.



Space

The compact Gen2 system provides architects with greater design flexibility and building owners with more rentable space.



Efficiency

Our patented flat-belt technology, pioneering ReGen™ drives and gearless machines make the Gen2 Premier among the most energy-efficient elevators on the planet.



Comfort

Our systems minimize noise and vibration and render the elevator's movement barely perceptible, giving passengers what they're looking for – a quiet, comfortable ride. The elevator's sleek modern design enhances the experience while complementing your building's interior.



Reliability

Built in ISO-certified factories, with a lifetime of service in mind, every Gen2 Premier elevator offers superior reliability.





80% SMALLER

The Gen2 elevators deliver superior performance in a space saving design. Coated steel belts have a significantly smaller bending radius than wire rope. This engineering breakthrough paved the way for other innovations: our ultra-compact permanent magnet gearless machine is 80% smaller and more efficient than conventional geared machines. The steel belts also last twice as long as conventional steel ropes, without the need for any lubrication.



Machine room-less

The Gen2 machine room-less elevator components are so compact, they fit inside the hoistway. This eliminates the need for an extra room on top of your building for elevator components. The result is a system that saves construction cost and frees up valuable floor space to support your design vision.



EFFICIENCY

A smart sustainable solution for the future

The new Gen2 Premier is designed to minimize its impact on the environment and maximize energy efficiency.

Reducing energy consumption by:

10x

Long-Life LED Lighting

LED illumination, optional on the Gen2 Premier, reduces energy consumption and lasts up to 10 times longer than conventional florescent lamps.

75%

The ReGen™ drive

Regenerative technology, pioneered by Otis and standard on the Gen2 Premier, uses up to 75% less energy than a conventional geared elevator while producing power with lower harmonic distortion, minimizing the impact on the building's electrical system.

75%

Sleep Mode

Lights and fans are shut down when there's no demand, making the LED lighting up to 75% more efficient than conventional lighting. The system seamlessly springs back to life with the press of a call button.

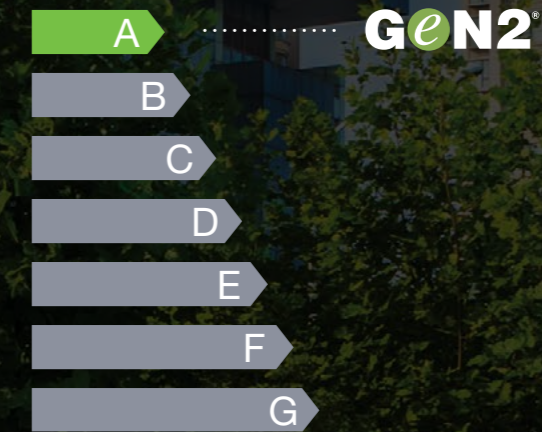
Zero

Lubrication

The Gen2 machine and coated steel belts require no additional lubrication, eliminating the need for storage, cleanup and disposal of hazardous waste.

Efficiency Rating

Measurements taken on Gen2 installations with standard configurations have earned Otis the highest VDI4707 efficiency-class rating.



Based on a 1000 kg, 1.75 m/s elevator with 15 stops.

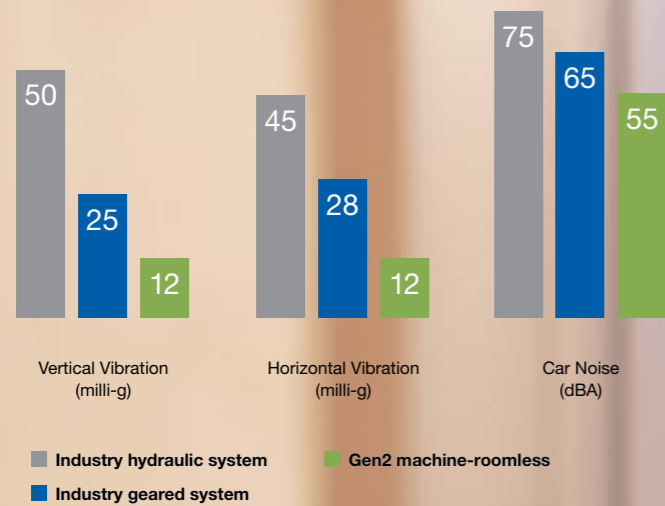


We want people to enjoy the ride – to find in the Gen2 Premier elevator a moment of quiet calm during their otherwise busy day. That's why we engineered the Gen2 to be different.

Quiet as a whisper

We replaced conventional steel ropes with coated flat steel belts, eliminating the noise created by the metal-to-metal contact of conventional systems. The low-noise gearless machine, mounted on isolation rubber pads, also reduces vibration in the building and minimizes noise levels in adjacent rooms.

Industry Comparison





COMFORT

Designed to compliment your building



We offer a rich palette of aesthetic options to complement your building's interior and provide a welcoming passenger environment.

Form and function in perfect harmony

For the people who live and work in your building, the elevator isn't just a means of transportation. It's a place where they spend important moments of their day. The Gen2 interior helps enrich these moments with pleasing lines and textures, mirrored surfaces, soft LED lighting and floors tiled in marble and other durable materials.



Gen2 technology can be found in some of the world's most distinguished energy-efficient buildings, including Tour Carpe Diem in Paris. Manufactured exclusively at our ISO-certified factories, the Gen2 system is the result of our most advanced thinking, global experience and deep engineering expertise. All so you could be sure of getting exceptional Otis performance, day after day.

Pulse™

The Pulse system continuously monitors the elevator's coated steel belts to ensure their integrity, ensuring safe, efficient operation and reducing inspection downtime.

REM® (Remote Elevator Monitoring)

The REM system collects real-time information to identify and correct most problems quickly and precisely, reducing service interruptions dramatically.

Automatic rescue operation

The battery-powered Automatic Rescue Operation system delivers passengers safely to the nearest floor during a power failure.

Safety systems

The door is an elevator's most important safety feature. The Gen2 Premier uses a screen of infrared beams to reopen the doors immediately when an object breaks the invisible plane. The Gen2 Premier's locking system prevents the doors from being opened from inside the cab if it stops between floors, another key safety feature.

Enhanced seismic protection

The Gen2 Premier's flat coated steel belts, coupled with the machine sheave's unique design, provide greater stability during seismic activity. No belt-jump cases were reported during the Great East Japan earthquake in 2011.

Whether we installed it last week or last century, our name is on every product – so we make sure our service stands behind it.

An industry benchmark

Otis is committed to ensuring optimal equipment performance for the lifetime of the elevator. Our innovative technologies allows Otis to identify many issues remotely. And when our skilled mechanics arrive at customer sites, they are committed to making repairs as quickly as possible.

The right maintenance at the right time

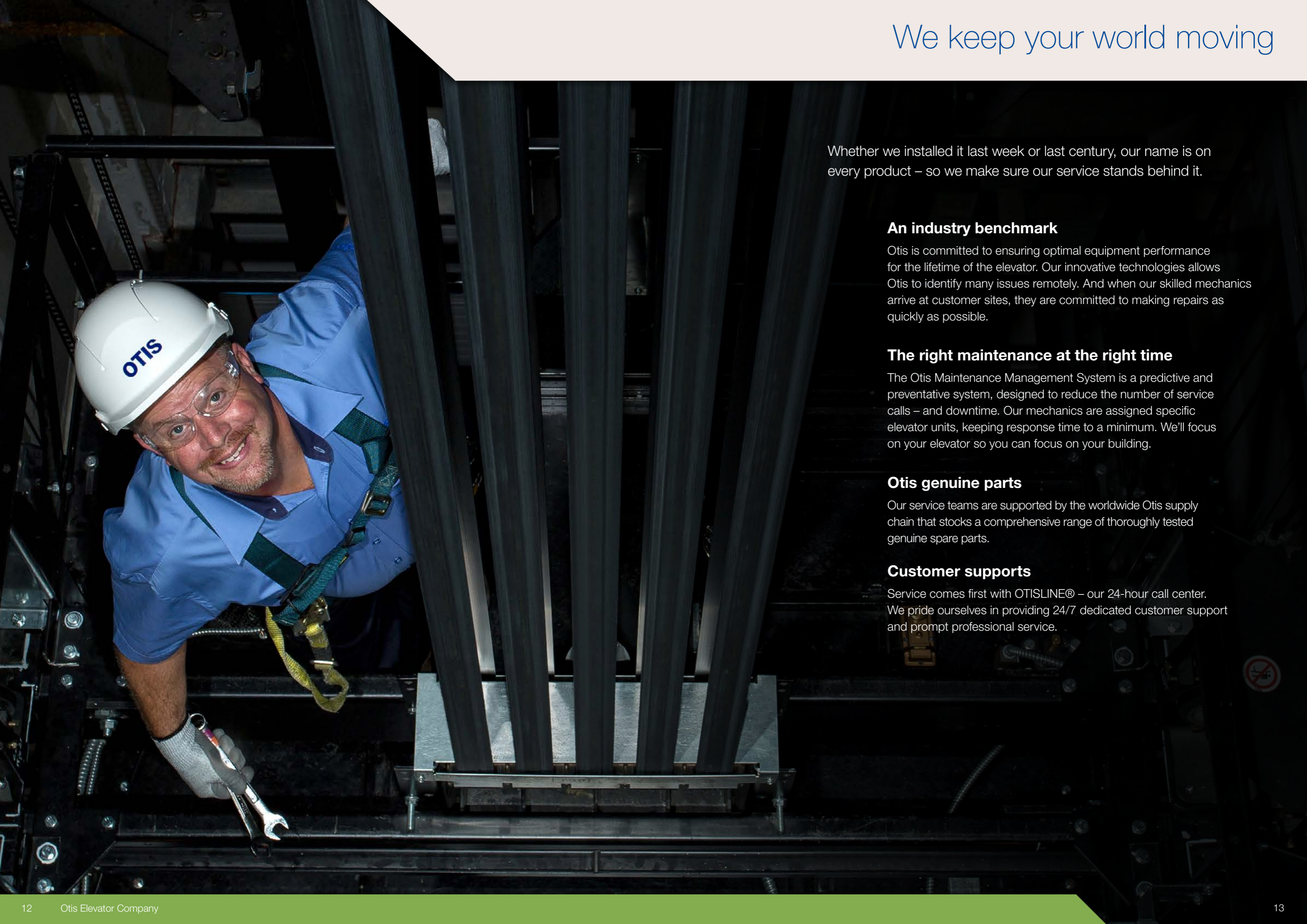
The Otis Maintenance Management System is a predictive and preventative system, designed to reduce the number of service calls – and downtime. Our mechanics are assigned specific elevator units, keeping response time to a minimum. We'll focus on your elevator so you can focus on your building.

Otis genuine parts

Our service teams are supported by the worldwide Otis supply chain that stocks a comprehensive range of thoroughly tested genuine spare parts.

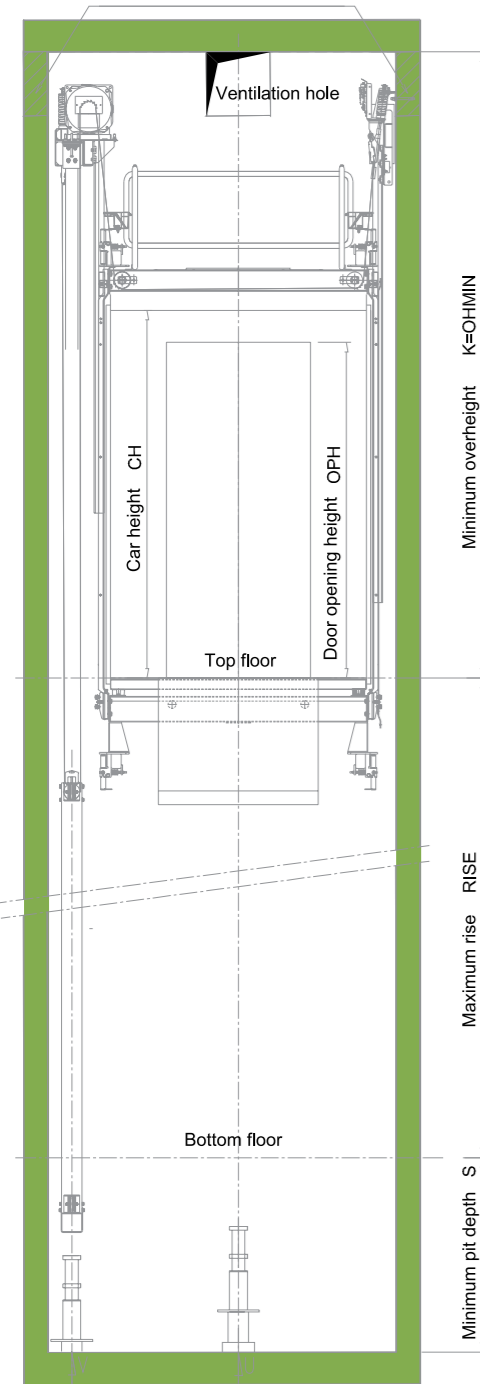
Customer supports

Service comes first with OTISLINE® – our 24-hour call center. We pride ourselves in providing 24/7 dedicated customer support and prompt professional service.

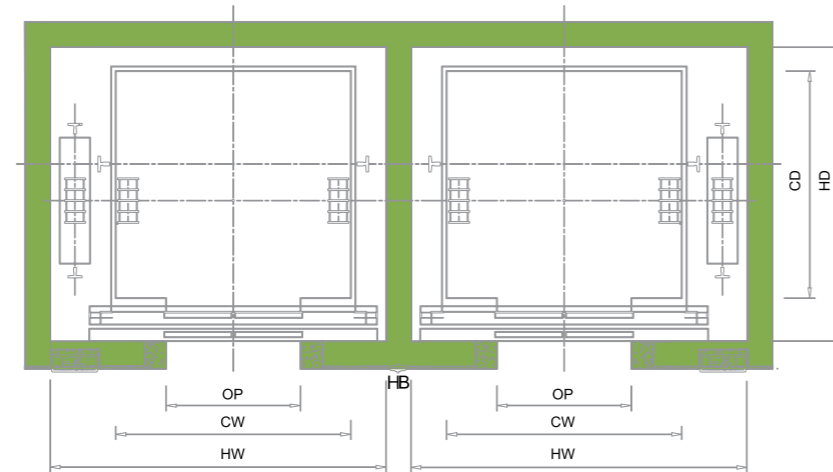


Recommended specifications for Gen2 Premier Machine Room-less

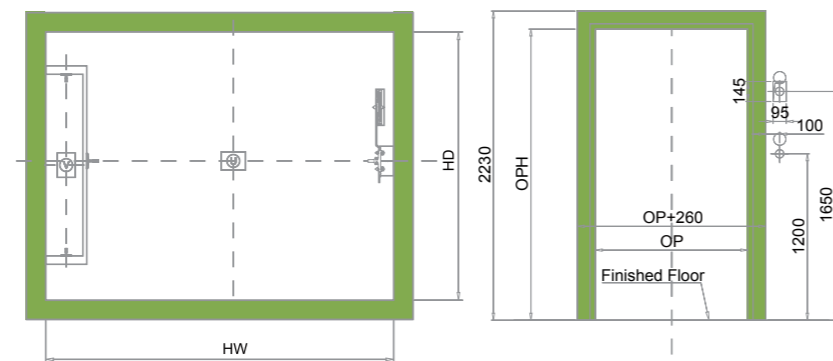
Elevation



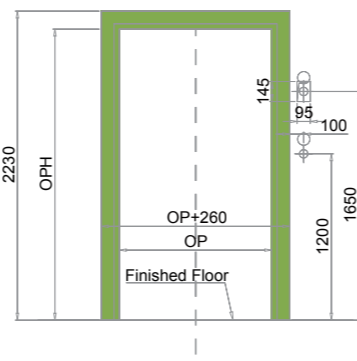
Hoistway plan



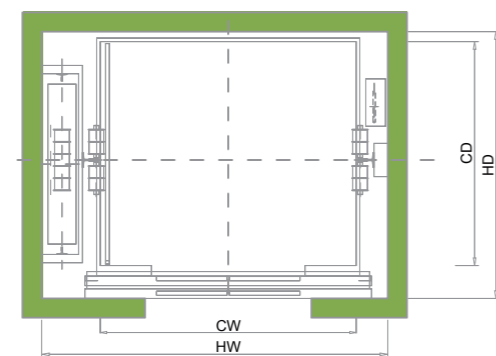
Pit plan view



Front view



Top level machine location plan view



Speed (m/s)	Min. Overhead Option (K, mm)	Min. Pit Option (S, mm)	Maximum Number Of Stops	Maximum Rise (m)	Cars In A Group	Counterweight Safety
1	3709	1063	32	40	up to 4	w/o
1.5	3856	1166		90		
1.6	3867	1166		90		
1.75	3920	1201		96		

Duty Load (kg)	Car Dimensions (mm)			Door Dimensions (mm)		Hoistway Dimensions (mm)	
	Width (CW)	Depth (CD)	Height (CRH)	Opening Height (OPH)	Opening Width (OP)	min Width (HW)	min Depth (HD)
630	1100	1400	2300	2100	800	1736	1746
800	1400	1350	2300	2100	800	1896	1758
1000	1600	1400	2300	2100	900	2146	1758
1000	1100	2100	2300	2100	900	1880	2435
1150	1800	1450	2300	2100	1000	2346	1785
1275	2000	1400	2300	2100	1000	2546	1758
1350	1450	2000	2300	2100	1000	2223	2371
1600	1400	2400	2300	2100	1100	2298	2735
1800	1750	2000	2300	2100	1100	2473	2371
2000	2000	2000	2300	2100	1100	2705	2371

The Gen2 system is the best-selling elevator in Otis history, with more than 500,000 sold since its launch in 2000.

Gardens by the Bay

Completed in 2012, Gardens by the Bay in Singapore is equipped with energy-saving Gen2 elevators – in keeping with the developer’s commitment to sustainable design. The Gardens bring to life the vision of a city set within a garden, with tree-like structures that soar as high as 50 meters above the landscape. Gardens by the Bay has earned numerous accolades, including the coveted World Building of the Year in 2012; and the Singapore Building and Construction Authority’s Green Mark Platinum Award in 2013, 2014 and 2016.

