

# Gen3™ elevator

## A platform for possibility

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GEN3 CORE ELEVATOR

**OTIS**



A FULLY CONNECTED  
PLATFORM



# Solutions for your world

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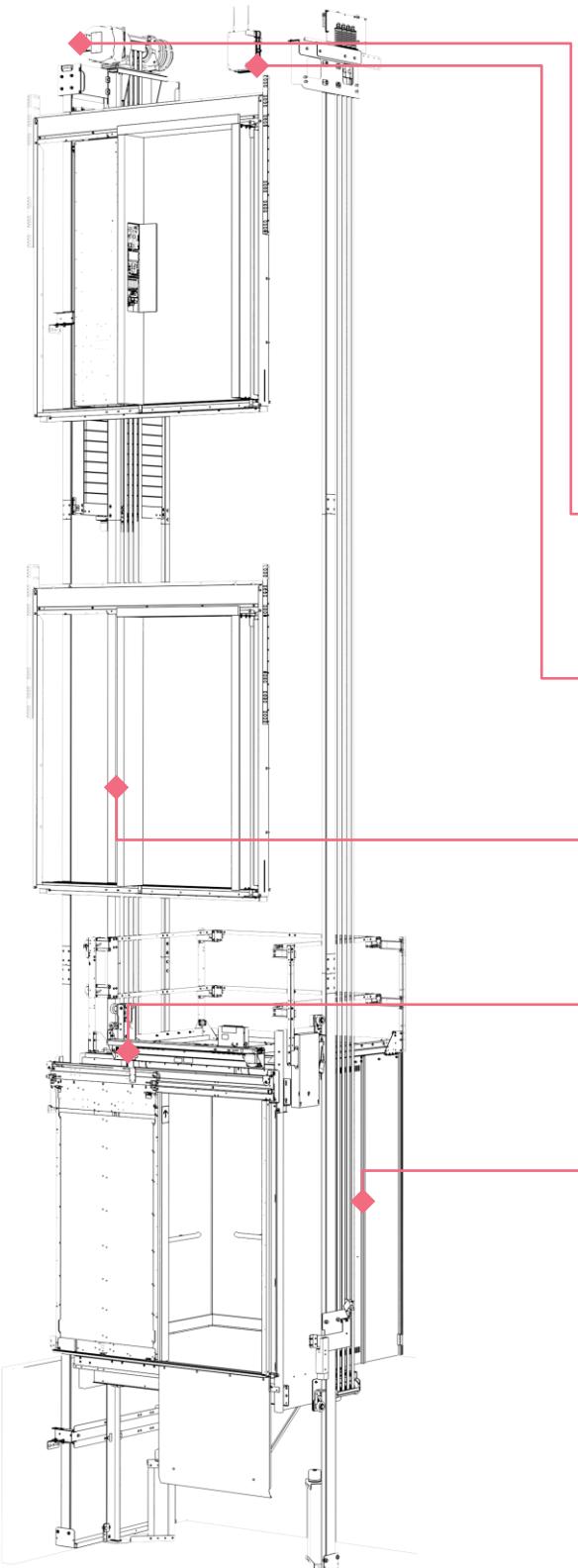
Our Gen3™ elevator blends convenience, style and performance to deliver a new passenger experience that adds value to any residential, commercial, hospitality, medical or industrial building.

## Gen3 Core™

The Gen3 Core™ elevator was designed specifically for low-rise buildings, bringing passengers connectivity, style, and comfort. With standard features, the Gen3 Core helps minimize energy consumption, material usage and installation costs.



# Gen3 Core™ elevator



Travel height maximum	59'
Maximum stops	8
Speed (fpm)	150 (.76 m/s) – 200 (1.02 m/s)
Capacity (lbs)	2,100 – 5,000



**Compact gearless machine:** Combined with ReGen™ drive, reduces energy consumption up to 75%\*\*.



**Otis ONE™ IoT Digital Platform:** Provides the connected intelligence that defines the Gen3 elevator.



**Smooth coated steel belts:** Reduce noise from metal-to-metal contact of steel ropes to deliver a smooth, quiet ride.



**Otis Cab Air Purifier:** Reduces airborne bacteria and viruses.



**Efficient design:** Cab, controller, and belting arrangement optimized for rapid installation.

\*This model is one option for Gen3 Core™

\*\*Compared to conventional systems without regenerative technology.

# A platform for possibility

**Every aspect of modern life is changing.** The ways we connect. The experiences we have. The places we live, work and play. The elevator needs to advance as well to harness the numerous possibilities of a more connected future – and Otis is taking you there.

The new Gen3™ elevator brings the promise of a connected platform into today. With the proven design of our best-selling Gen2® elevator and the built-in connectivity of our Otis ONE™ IoT digital platform, the Gen3 elevator is advancing in new ways.



## EXPERIENCES. ADVANCED.

The latest connected technologies put passengers in control for a smooth, seamless ride, time after time.



## DESIGN. ADVANCED.

Sophisticated aesthetics and a range of options fit most buildings and diverse style choices.



## HEALTH & SAFETY. ADVANCED.

We prioritize safety and every passenger's health and well-being.



## CUSTOMER SUPPORT. ADVANCED.

From resources and tools to guidance and expertise, Otis makes planning and managing smarter and simpler.



## SERVICES. ADVANCED.

More personalized services through our Otis ONE IoT digital platform to keep you ahead of potential issues.

# Experiences. Advanced.

When we set out to create a new experience for our elevator, we designed it with people at the center of everything. The result? A smart, connected, sophisticated system that advances the passenger experience in as many ways as possible – and raises expectations for what an elevator can be.

## + INFORMED AND CONNECTED

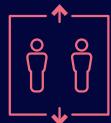
The Otis eView™ display integrates seamlessly into the elevator cab and enables buildings to create customizable information and entertainment, along with OTISLINE® support in the event of an emergency.

## + CAB AESTHETICS

A wide variety of finish selections are available with 24 laminates that will compliment any project's style. Steel wall finishes are also available with options for paint, brushed and patterned stainless. All cabs are furnished with an integral ceiling with LED lighting as standard.

## + CUSTOMER SUPPORT

Support is crucial to your journey, whether you are in the design or construction phase, or looking for the smooth operation of your elevator after installation. With Otis' online tools & technology such as OtisCreate, Customer Portal, and Developer Portal available, you will have comfort and confidence every step along the way.



## PEOPLE FIRST

The Gen3 elevator reflects human-centric innovation and design, offering safe and comfortable rides, promoting healthier environments and delivering confidence and convenience.



## READY FOR WHAT'S NEXT

The Otis ONE IoT digital platform design allows the Gen3 elevator to add many new future technologies. By enabling the flexible, seamless addition of technologies without a complete system upgrade, you can anticipate the challenges and opportunities of tomorrow.



## EFFICIENCY ALWAYS

The Gen3 elevator is designed with features that are more energy efficient than conventional elevators, achieving substantial energy savings and significant reductions in CO<sub>2</sub> emissions.

# Design. Advanced.

As modern buildings continue to change, expectations for experiences within those buildings are changing too. The Gen3 elevator advances beyond the proven engineering of the Gen2 elevator so that your elevator system can deliver what your passengers need and expect today and tomorrow.

## DESIGN THAT SHINES

No detail is overlooked. You get an enhanced aesthetic with design options that are customized to fit the needs of today's passengers and the unique styles of various types of buildings and enterprises. We're talking about sleek and modern styling, sophisticated lighting, quality materials and a multitude of opportunities to customize and create a modern, comfortable atmosphere for passengers.

## EVOLUTION MADE EASY

As needs change and new features emerge, the connected platform allows for the seamless addition of future technologies and capabilities.

## SUSTAINABLE BY DESIGN

Efficiency and sustainability are part of the design. The Gen3 elevator includes standard features – like the ReGen™ Drive, LED lighting and Sleep Mode – to help reduce energy usage and carbon footprint.

## MORE FLEXIBILITY, MORE POSSIBILITY

From modern aesthetics to classic interiors, Gen3 can be tailored to fit your style. And if you're faced with architectural challenges such as dimensional constraints, our team will work with you to create a design solution for your project.



# Wall panel finishes



## LAMINATES



8218-38  
Kingswood Walnut



8220-38  
French Pear



7992-38  
Pinnacle Walnut



5016-38  
French Linen



5024-60  
Blackbird



5003-38  
White Cascade



8217-16  
Italian Silver Ash



7960-18  
Studio Teak



7949-38  
Asian Night



5015-38  
Nordic Linen



4842-60  
Canyon Zephyr



D439-60  
Wallaby



7850-60  
Beigewood



7937-38  
River Cherry



7919-38  
Amber Cherry



4942-38  
Crisp Linen



4794-60  
Windswept Bronze



D505-60  
Midnight



7040-60  
Figured Mahogany



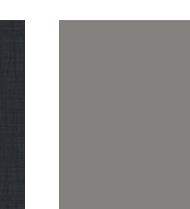
7997-38  
Ebony Recon



8239-38  
Cenizo Cherry



5023-60  
Nightfall



D504-60  
Fossil Shale

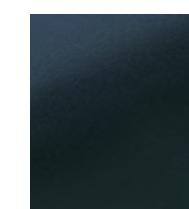


D90-60  
North Sea

## PAINTED FINISHES



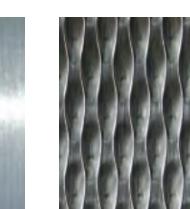
EW-0  
Real White



EW-5  
Black Pearl



#4 Brushed  
Stainless Steel



Patterned  
Stainless Steel

## STEEL FINISHES

# Aesthetics

## CABS



### Steel cab

Vertical steel panels available in brushed stainless steel, patterned stainless steel and baked enamel finish options



### Laminate cab

Vertical high-pressure laminate wall panels; 24 laminated woodgrains, patterns and solid selections available

## HANDRAILS



### Round handrail (DH-154)

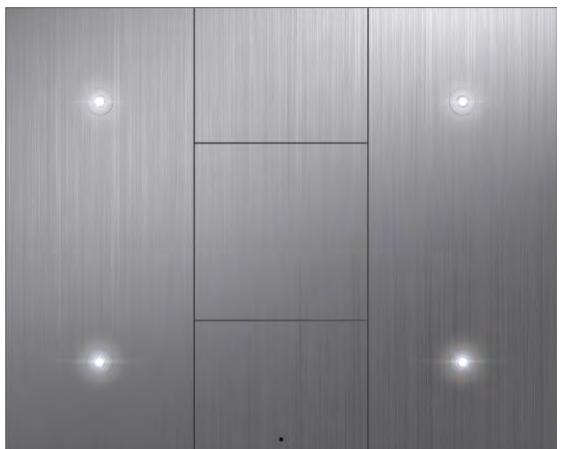
Round bar available in brushed stainless steel



### Flat handrail (DH-153)

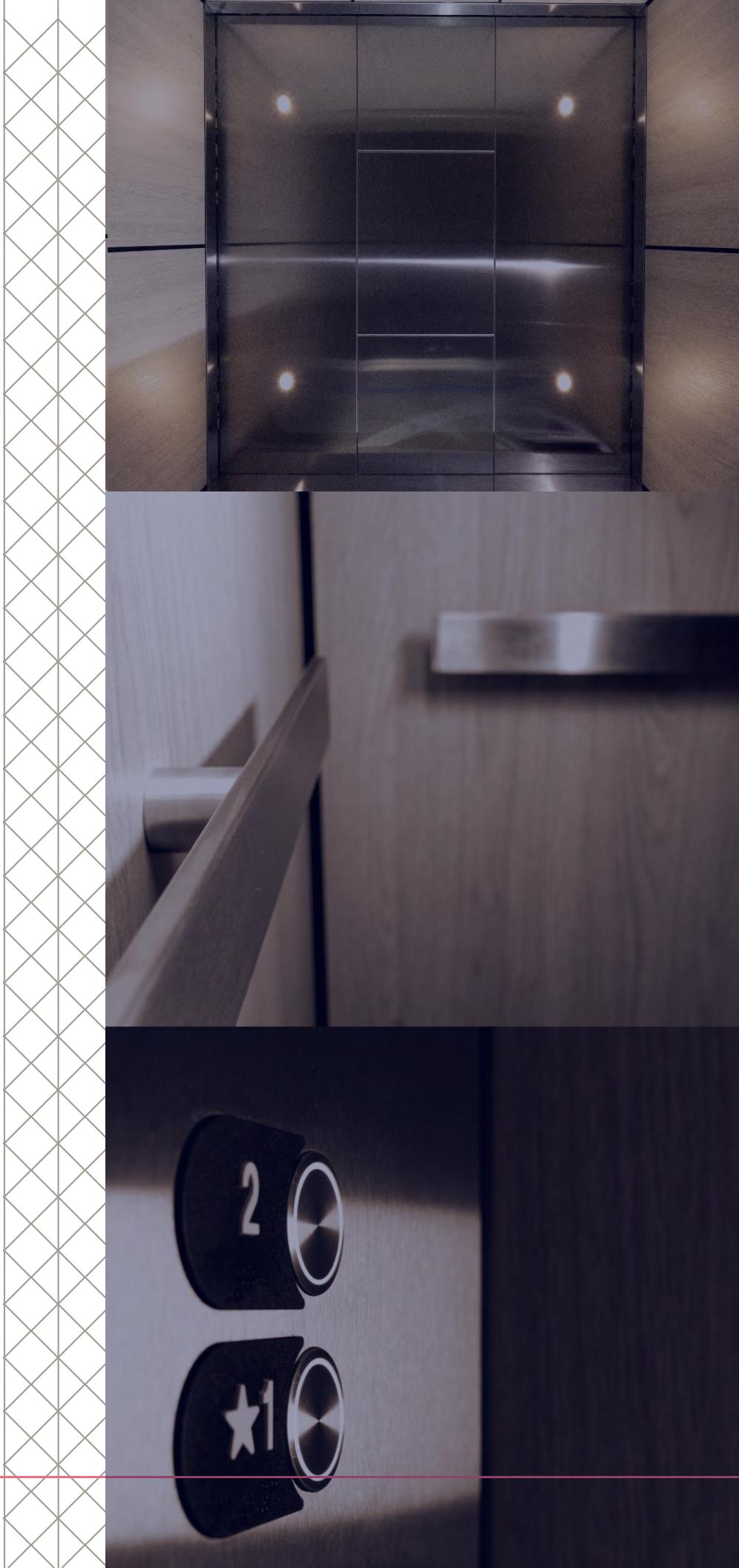
Flat bar available in brushed stainless steel

## CEILING



### Flush mounted ceiling

4-LED light ceiling  
Finish: painted white, painted black, stainless steel



# Fixtures

## HALL LANTERN & POSITION INDICATORS



## HALL STATIONS



## CAR OPERATING PANELS



# Health & safety. Advanced.

## Safety is at the core of who we are as a company.

In fact, it's how we got our start, but it doesn't end there. The Gen3 elevator was designed with passenger safety, health and well-being in mind.

From our Otis Cab Air Purifier and UV-C Lighting, to our range of touchless technologies, we are committed to providing innovative solutions that address your ongoing health and well-being.

Along with our purification products, the Gen3 elevator also comes equipped with key safety components to help provide a smooth and comfortable riding experience. You and your passengers can feel confident in the ride integrity with features like the Pulse™ system's continuous monitoring of coated steel belts and battery-powered backup systems.

### CLEAR THE AIR

The Otis Cab Air Purifier uses bipolar ionization technology, significantly reducing airborne bacteria and viruses in your elevator.

### CONTINUOUS MONITORING

The Pulse System continuously monitors the elevator's coated steel belts to safeguard their integrity, ensuring safe, efficient operation and reduced inspection downtime.

# Personalize your project

## CUSTOMER SUPPORT. ADVANCED.

We offer support at every stage of your process and are dedicated to helping you explore and implement solutions for today and enhancements for the future.

### YOUR PROJECT STAGE

## Design

### YOUR OTIS TOOL

#### OTIS CREATE

Simplify elevator system planning with recommended configurations, customized performance details and more – all in a few clicks.

#### BIM CREATE™

Create customizable, configured 3D Revit® files for integration into overall building plans, rather than selecting from preexisting files.

## Service

#### CUSTOMER PORTAL

Get instant updates on the health, maintenance and account status of your elevator. Manage all your units in one place.

#### DEVELOPER PORTAL (OTIS APIs)

Connect your Otis data seamlessly to your existing building management applications.

## A CLOSE PARTNERSHIP, EVEN BEYOND CONSTRUCTION

We understand that every project is truly unique. Our teams can work with you at every step to ensure a smooth, seamless installation in buildings of all types and sizes. And it's not just new builds. In challenging modernization projects, we can help customers implement a Gen3 solution that enhances the building experience and opens the door to future digital technologies.

Our local teams are easy to work with and committed to delivering on your needs – and our promises. This includes customer-centric support from a financial and planning perspective.



# Services. Advanced.

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The importance of elevator uptime is not new, and our data-driven approach is backed by years of history. The Gen3 elevator uses the latest technology, data, active monitoring and analytics to advance the entire service experience.

## **It starts with one incredible innovation.**

Fully integrated into the new Gen3 elevator, the Otis ONE IoT digital platform uses smart IoT technology to create more personalized, proactive service and is constantly checking in with your elevator.

# Otis ONE

## SERVICE THAT'S A STEP AHEAD

With Otis ONE IoT digital platform software-enabled service, you'll experience greater system transparency and predictability, enabling you to harness the power of advanced monitoring, big-data analytics and predictive maintenance to identify and address potential issues – sometimes before they happen.

## PROACTIVE COMMUNICATION

### Real-time notifications

Ongoing status updates and 24/7 proactive communication monitors operation of your equipment so you are notified as soon as an issue is detected.

### Informed repairs

Service requests are closed sooner with automatic alerts that provide mechanics accurate fault information and in many cases equip them with the parts needed before they arrive at your building.

## REASSURED PASSENGERS

### eView for emergencies

The in-cab display connects passengers with OTISLINE via video chat to provide greater peace of mind during an entrapment.

## PREDICTIVE INSIGHTS

To promote business continuity, mechanic visits are planned based on predictive maintenance algorithms so that in some cases, the problems can be fixed before they cause a shutdown.

## Faster, more informed repairs

We're empowering mechanics with automatic alerts, more data and new digital capabilities.

## AN ELEVATOR WITH A HEARTBEAT

The Gen3 elevator monitors equipment health and performance in real time, 24/7. The information is collected and analyzed against more than 30 years of Otis foundational data to uncover new insights that help better predict and solve issues, and avoid unexpected downtime.

## Transparent information

### OTIS CUSTOMER PORTAL

- Manage in real time every unit within your portfolio in a single view
- Visualize the benefits of predictive insights
- Leverage elevator health reports to prepare for your future investments
- Place online service requests

### OTIS DEVELOPER PORTAL

- Leverage the Otis open API to integrate the data you need into your own system
- Easy setup with clear software documentation and sample code



# One platform. So many possibilities.

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With the Otis ONE IoT digital platform fully integrated, the Gen3 elevator is more than a way to move people – it's a platform for possibility. It's about having an intuitive solution that adapts to the current world of technology and is ready for the world to come.

The core of the Gen3 elevator, the Otis ONE IoT digital platform solution is designed to evolve. Powered by the Internet of Things (IoT), machine learning and cloud connectivity, with a subscription, future updates are only a download away. And as we invest in more tools, services and functionality, you can select from a menu of add-ons that make sense for your building and needs.



## The Otis ecosystem

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The Otis ONE IoT digital platform is part of a powerful, expanding ecosystem of technologies and capabilities that integrate application programming interfaces (APIs) for service, operation, elevator calling and more. These integrations enable features like robot, voice and gesture interaction with expansion potential.

### **+** SERVICE DATA APIs

Integrate data into a building management system (BMS) to stay up to date with your elevator's availability, maintenance, repair and call back data.

### **+** REAL-TIME OPERATIONS DATA APIs

Building owners and facility managers can access real-time data to receive elevator status updates, performance insights and alarm information.

### **+** ELEVATOR CALLING APIs

Easily call and place elevator destination requests. And, as many businesses turn to service robots to improve the customer experience and productivity for their employees, APIs can connect service robots without hard-wired connections.

# Hoistway dimensions

## GEN3 CORE™ PASSENGER ELEVATOR

Travel height maximum	59' (18 m)
Maximum stops	8
Speed (fpm)	150 (.76m/s) – 200 (1.02m/s)
Capacity (lbs)	2,100 – 3,500

	2,100 lbs (953 kg)	2,500 lbs (1134 kg)	3,000 lbs (1361 kg)	3,500 lbs (1588 kg)	3,500W lbs (1588 kg)
A	Clear car width <sup>1</sup>	5' 8 5/16" (1735 mm)	6' 5 9/16" (1970 mm)	6' 8" (2032 mm)	
B	Clear car depth for front openings <sup>1</sup>	4' 3 9/16" (1309 mm)	5' 0 3/16" (1528 mm)	5' 5 9/16" (1665 mm)	
	Clear car depth for front & rear openings <sup>1</sup>	4' 4 1/8" (1324 mm)	5' 0 3/4" (1543 mm)	5' 6 1/8" (1680 mm)	
C	Clear cab height <sup>2</sup>		7' 9" (2362 mm)		
D	Door width	3' 0" (914 mm)	3' 6" (1067 mm)		
	Door type	Single slide	Center opening or single slide		
E	Door height		7' 0" (2134 mm)		
F	Hoistway single width <sup>3</sup> non-seismic	7' 9" (2362 mm)	8' 6" (2591 mm)	8' 7" (2617 mm)	
	Hoistway single width <sup>3</sup> seismic	7' 11" (2413 mm)	8' 8" (2642 mm)	8' 9" (2667 mm)	
G	Hoistway double width <sup>6,8</sup> non-seismic	15' 10" (4826 mm)	17' 4" (5283 mm)	17' 6" (5334 mm)	
	Hoistway double width <sup>6,8</sup> seismic	16' 2" (4928 mm)	17' 8" (5385 mm)	17' 10" (5436 mm)	
H	Hoistway depth for front openings	5' 9" (1753 mm)	6' 4" (1930 mm)	6' 11" (2108 mm)	
	Hoistway depth for front & rear openings	6' 3 1/4" (1911 mm)	6' 11 7/8" (2130 mm)	7' 5 1/4" (2267 mm)	

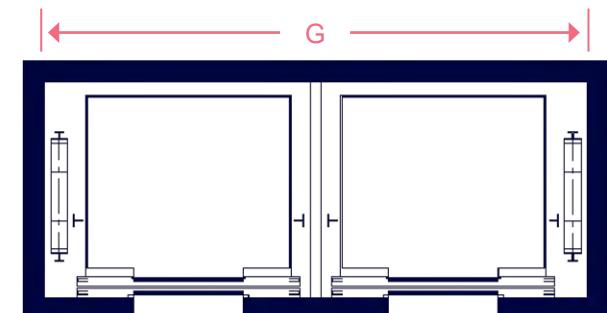
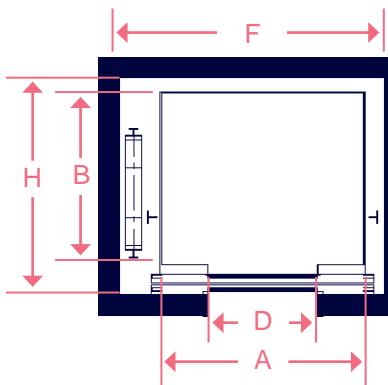
I	Clear overhead to hoist beam <sup>3,4</sup>	150 fpm (.76 m/s)	200 fpm (1.02 m/s)
	7' 9" (2362 mm) cab height	12' 9" (3886 mm)	12' 10" (3912 mm)
J	Minimum pit depth <sup>5,7</sup>	4' 0" (1219 mm) or 5' 0" (1524 mm)	

K	Optional control closet or room <sup>6</sup>
	Control closet
	Control room
	Control room-duplex

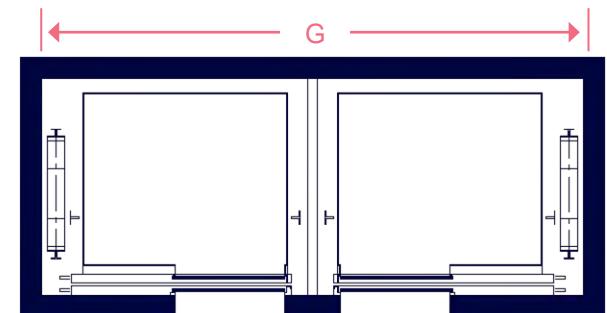
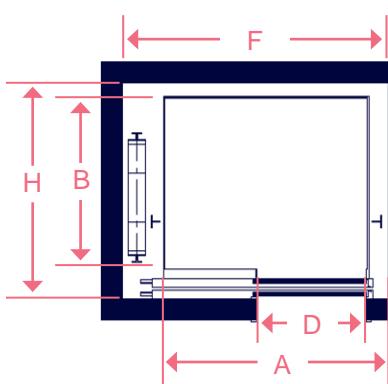
1. Clear car dimensions may vary depending on interior finishes.
2. Clear cab height varies by ceiling type and floor recess.
3. Allow a minimum of 4" (102 mm) between top of safety beam and top of hoistway.
4. For seismic area, multi-car groups, or pre 2008 ASME A17.1 Safety Code for Elevators, please contact your Otis representative for clear overhead dimensions.

5. Some locations require a 5'0" (1524 mm) pit. Contact your Otis sales representative for details.
6. Please consult your local Otis representative regarding multi-car groups, or smaller dimensions.
7. A pit ladder pocket may be required. Please contact your Otis representative for details.
8. Construction efficiencies can be realized by increasing hoistway width dimensions by 2" (51 mm).

## Center Opening Hoistway Plan

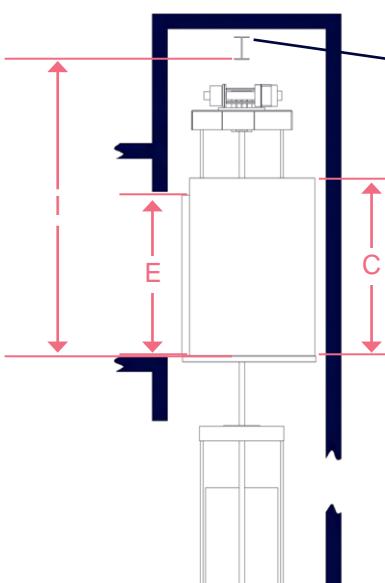


## Single-Speed Side Slide Hoistway Plan

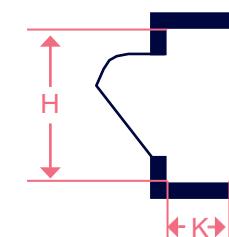


## Elevation

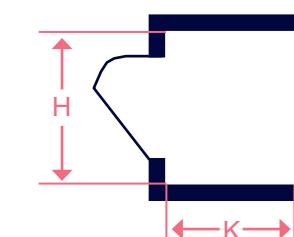
Hoistbeam  
(not by Otis)



## Control Closet



## Control Room



**IMPORTANT:**  
To assist in your planning, we recommend that you call your Otis representative at the beginning of the project.

# Hoistway dimensions

## GEN3 CORE™ SERVICE ELEVATOR

Travel height maximum	59' (18 m)
Maximum stops	8
Speed (fpm)	150 (.76m/s) – 200 (1.02m/s)
Capacity (lbs)	4,000 – 5,000

	Rated duty Load	4,000 lbs (1814 kg)	4,500 lbs (2041 kg)	5,000 lbs (2268 kg)
A	Clear car width <sup>1</sup>	5'-5 9/16" (1655 mm)	5'-11 5/16" (1811 mm)	
B	Clear car depth for front openings <sup>1</sup>	7'-4 7/8" (2258 mm)	7'-10 15/16" (2241 mm)	8'-4 3/16" (2544 mm)
	Clear car depth for front & rear openings <sup>1</sup>	7'-5 1/2" (2273 mm)	7'-11 1/2" (2426 mm)	8'-4 3/4" (2559 mm)
C	Clear cab height <sup>2</sup>	7'-9" (2362 mm) or 9'-9" (2972 mm)		
D	Door width	4'-0" (1219 mm)	4'-6" (1372 mm)	
	Door type	Two-speed		
E	Door height	7'-0" (2134 mm) or 8'-0" (2438 mm)		
F	Hoistway single width <sup>8</sup> non-seismic	7'-6" (2286 mm)	8'-0" (2438 mm)	
	Hoistway single width <sup>8</sup> seismic	7'-8" (2337 mm)	8'-2" (2489 mm)	
G	Hoistway double width <sup>6,8</sup> non-seismic	15'-4" (4674 mm)	16'-4" (4978 mm)	
	Hoistway double width <sup>6,8</sup> seismic	15'-8" (4775 mm)	16'-8" (5080 mm)	
H	Hoistway depth for front openings	9'-1" (2769 mm)	9'-7" (2921 mm)	10'-1" (3073 mm)
	Hoistway depth for front & rear openings	9'-10 1/2" (3009 mm)	10'-4 1/2" (3162 mm)	10'-9 3/4" (3295 mm)

	150 fpm (0.76 m/s)	200 fpm (1.02 m/s)
7'-9" (2362 mm) cab height	12'-9" (3886 mm)	12'-10" (3912 mm)
9'-9" (2972 mm) cab height	14'-9" (4496 mm)	14'-10" (4522 mm)
J	Minimum pit depth <sup>5,7</sup>	4'-0" (1219 mm) or 5'-0" (1524 mm)

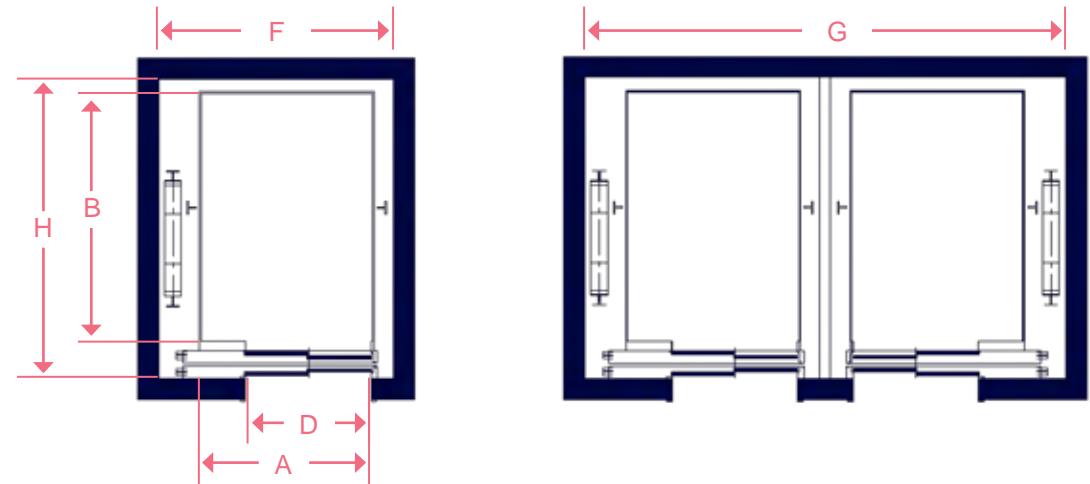
Optional control closet or room <sup>6</sup>	
Control closet	Hoistway depth x 3'-10" (1168 mm)
Control room	Hoistway depth x 5'-9" (1753 mm)
Control room-duplex	Hoistway depth x 7'-6" (2286 mm)

1. Clear car dimensions may vary depending on interior finishes.
2. Clear cab height varies by ceiling type and floor recess.
3. Allow a minimum of 4" (102 mm) between top of safety beam and top of hoistway.
4. For seismic areas, multi-car groups, or pre 2008 ASME A17.1 Safety Code for Elevators, please contact your Otis representative for clear overhead dimensions.

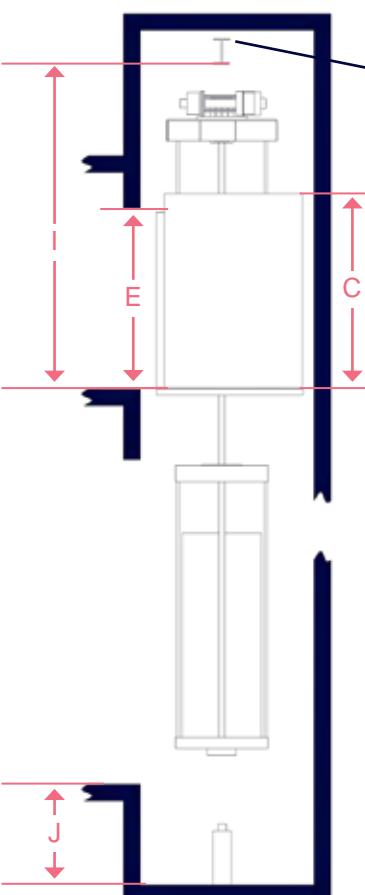
5. Some locations require a 5'0" (1524 mm) pit. Contact your Otis sales representative for details.
6. Please consult your local Otis representative regarding multi-car groups, or smaller dimensions.
7. A pit ladder pocket may be required. Please contact your Otis representative for details.
8. Construction efficiencies can be realized by increasing hoistway width dimensions by 2" (51 mm).

**IMPORTANT:**  
To assist in your planning, we recommend that you call your Otis representative at the beginning of the project.

## Two-Speed Side Slide Hoistway Plan

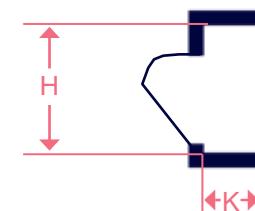


## Elevation

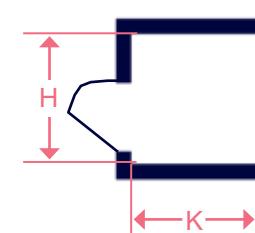


Hoistbeam  
(not by Otis)

## Control Closet



## Control Room



— Otis gives people freedom to connect and thrive in a taller, faster, smarter world. The global leader in the manufacture, installation and servicing of elevators and escalators, we move 2 billion people a day and maintain more than 2.1 million customer units worldwide – the industry's largest Service portfolio. You'll find us in the world's most iconic structures, as well as residential and commercial buildings, transportation hubs and everywhere people are on the move. Headquartered in Connecticut, USA, Otis is 68,000 people strong, including 41,000 field professionals, all committed to meeting the diverse needs of our customers and passengers in more than 200 countries and territories. To learn more, visit [www.otis.com](http://www.otis.com) and follow us on LinkedIn, Instagram, Facebook and Twitter @OtisElevatorCo.