GEN2[®]

Designed by the second second



Set your building apart

Whether helping busy commuters get to work or delighting people as they shop, your building should be a unique experience for anyone who steps inside. The Gen2[®] elevator system has the style, comfort and speed needed to ensure passengers experience your building to the fullest. With space-saving architectural features that maximize design freedom, Otis helps your building stand out.

OTIS GEN2 OVERVIEW

Description	Machine room-less	Machine room
Speed	1.0 – 3.5 m/s	1.0 – 2.5 m/s
Capacity	630 – 2000 kg*	630 – 2000 kg
Maximum stops	50	50
Maximum rise	150 m	140 m

1+2

*: 2000 kg@2.5m/s - 1600 kg@3.0 & 3.5m/s



Design without limits

Gen2 technology is sized to fit inside the wall of the top elevator landing - eliminating the need for a control room. So whether you want to impress visitors with an expansive, seamless lobby or offer tenants a larger space, Gen2 gives you the room to bring your vision to life.



COMPACT DESIGN

Gen2 technology eliminates machine room space and cost for greater architectural design freedom.



COMPACT CONTROLLER

Sized to fit inside the wall or in the door lintel of the top elevator landing, the controller can be accessed by an attractive, concealed test panel.



MAXIMIZED SPACE SAVINGS

Flexible coated steel belts allow a smaller machine sheave, reducing machine size.





COMPACT MACHINE ROOM CONFIGURATION

The compact machine configuration reduces the space requirements for the Gen2 elevator to no larger than the hoistway footprint, reducing construction costs and optimizing rooftop space.



MACHINE ROOM-LESS CONFIGURATION

With the machine room-less configuration of the Gen2 elevator, all you need is a hoistway. The machine and controller are so compact, they fit inside the hoistway. No need for an extra room on top of your building for elevator components. You save on construction costs and clear rooftop space.



Limitless design possibilities

From modern to natural ambiances, Gen2 can be tailored to fit your architectural vision. Textures, classic materials and fittings offer virtually unlimited design flexibility for creating an inviting experience. Explore more than 400,000 options by visiting the online Otis cab configuration tool at cabcreate.otis.com.

NATURAL AMBIANCE

Wood, stone and leather materials create new-age designs inspired by architectural movements. This approach features smooth accents as seen in rounded corners, handrails and optional matching ceiling lights.

STANDARD	Imitation wood, stone and leather
ADVANCED	Wood and concrete laminates
PREMIUM	Exotic wood laminates for side panels and glossy baked enamels for rear panels

MODERN AMBIANCE

Timeless design is blended with modern materials to create a hi-tech experience. Sharp forms enhance metallic and glossy textures. Dark anodized decorative elements contrast with vertical lighting.

STANDARD	Imitation metal, stone and concrete
ADVANCED	Unique metal and stone laminates
PREMIUM	Exotic metal laminates for side panels and glossy baked enamels for rear panels

LOW GLARE LIGHTING

Lighting from car corners and control panels creates a comfortable environment for passengers.

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A smarter way to move throughout your day

Even short moments of waiting can feel like a lifetime. Otis reimagined how to navigate seamlessly through your building. With CompassPlus destination dispatch, we put personalised technology at your passengers' fingertips. CompassPlus creates an upscale, concierge-like experience that keeps everyone on the move.

+1

IMPROVED TRAFFIC

SmartGrouping organises people to get them to their destinations up to 50 percent faster than conventional dispatching, while making minimal stops. This system adjusts dynamically based on your building's needs throughout the day.

+11

INTUITIVE DESIGN

Our CompassCreate[™] software provides an array of eye-catching screen options that intuitively navigate people throughout the building.



SMARTPHONE ACCESS



Call your elevator even before you get to the elevator bank with the Otis eCall[™] smartphone app.

SECURITY



Otis eCall can be integrated with any third-party building security system and accommodates both external and built-in security ID readers.

CUSTOMISATION



Personalise your passenger experience with custom messages – shown hourly, daily, weekly or for special occasions. And complement your building's style with buttons, colors, fonts and imagery of your choice.

Fingertip control



to the right location quickly.

VIA THE WALL-MOUNTED SCREEN



Whether your passengers are regular visitors or new to the building, with the help of CompassPlus they'll find it easy and effortless to get





From hotels to hospitals...

CompassPlus brings the concept of high-performance destination dispatching to a much wider range of environments, including low-rise buildings. The three generations of Compass are now installed in over 10,000 elevators, 300 cities and 60 countries.

COMPASSPLUS[®] IS THE PERFECT SOLUTION FOR...

- Commercial buildings
- Hotels
- Mixed-use locations, including sporting venues and shopping malls
- Residential real estate
- Hospitals •

Change the look and feel

With a wide range of presentation styles to choose from, CompassPlus coordinates with your design vision and fits neatly into the fabric of your building.

ON-SCREEN DISPLAYS

Choose from five off-the-shelf design templates for your user interface screens, with 12 options for background color schemes, as well as a unique library of icons.

FIXTURES

There are two CompassPlus fixture options: a 7" touchpad and a 12" touchscreen. Both formats are available in four different color schemes: black, white, silver and gold.

WAYFINDING SIGNS

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Eye-catching and easy to follow, with built-in chimes, our suite of wayfinding signage includes unlit static and white-light dynamic options, as well as four color choices. Rotate the back plate to mount the signs horizontally or vertically, enabling easy replacement of old horizontal hall position indicators or vertical hall lanterns in modernization projects.

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CUSTOMIZED DESIGN

Prefer to create your own look for your interface screens to match the style of your building or your corporate brand? You can customize a range of features, including colors, fonts, icons and images.

PLEASE TOUCH ICON

Your comfort is our focus

We sharpened our focus on speed and performance without compromising comfort. We reduced metal-on-metal contact and dampened vibrations to ensure the Gen2 ride is smooth and quiet.



SWIFT MOVEMENT

High-performance door operators and superior car acceleration allow passengers to enter and exit elevators more quickly.



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SMOOTH COATED STEEL BELTS

The steel belts eliminate the noise created by the metal-on-metal contact from conventional steel ropes.

LOW-NOISE GEARLESS MACHINE

Mounted on isolation rubber pads, the low-noise gearless machine reduces vibration and noise in adjacent rooms.





Reliable, as expected

Some of the world's most distinguished buildings trust in Gen2 technology. Manufactured 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 can be sure of getting exceptional Otis performance day after day.

PULSE™

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

AUTOMATIC RESCUE OPERATION

Battery-powered systems deliver passengers safely to the nearest floor during a power failure.

ENHANCED SEISMIC PROTECTION

Coated steel belts and a uniquely designed machine sheave work together to provide greater stability during seismic activity.



'MADE IN OTIS'

Every country in which we operate must meet or exceed the Otis standard. The Passport System requires each product to move through a series of meticulous inspections during its development. Once approved by a team of experts, the product moves on to its next stage. Every factory, wherever its location, has an entire workforce committed to this high standard of manufacturing.

Create a lasting experience

Whatever your sustainability goals – from designing net-zero buildings to managing your energy efficiency – Gen2[®] is engineered to help your achieve your goals.



more efficient than conventional geared systems with nonregenerative drives, while providing clean power to help run other building systems.



longer lifespan of Gen2 LED lighting compared to conventional fluorescent lamps. + LUBRICATION

CALLAR .



coated steel belt and machine lubrication needed, providing for a cleaner hoistway and elevator environment.





SLEEP MODE



more efficient LED energy usage with sleep mode – lights and fans shut down when not in use and are automatically restarted with the touch of a button.

We're with you from concept to completion

Creating a unique experience for tenants and customers takes a lot of thought, planning and coordination. Thankfully, you don't have to do it alone. For over 160 years, we've helped customers all around the world reach new heights while helping billions of passengers arrive at their destinations every day. So from detailed project planning to ongoing service, we're here to help you every step of the way.



PROJECT DESIGN

We consider architectural solutions, traffic analysis, product specifications and value engineering to help craft and deliver on your vision.

SPECIALIZED INSTALLATION PLANNING

Our team helps at every step of the installation process, from coordinating contractors to monitoring specialized safety reviews to delivering a smooth handover when the project is complete.



A commitment to exceptional service

We know what it takes to keep people moving safely and smoothly. Our founders were dedicated to delivering extraordinary service, and today we're continuing that promise with personalized and imaginative ways to meet our customers' every need.

Benefit from the industry's leading service offering, featuring 24/7 dedicated customer support through OTISLINE[®], more intuitive access to information with the Otis customer portal and our personal commitment to always put your needs first.

Our field professional see your building as their own. With a global team of more than 41,000, we work around the clock to keep your equipment operating like new. The result is truly personalized service that ensures we build your trust over the lifetime of your equipment, with empathy always.

WITH EXCELLENCE, IT IS HOW WE DO SERVICE

As one of the first elevator companies to use Your Otis mechanic combines his professional skills acqired through Otis field training curriculum, with Otis proprietary apps. On their smartphones, our connected teams have instant access to product data, maintenance history, diagnostic tools, in real-time, to imrpove customer responsiveness and quickly get equipment back to service.

WE EARN YOUR TRUST - EVERY DAY

Signature Service[™]

Standard equipment

TRACTION



- Gearless machine with synchronous permanent magnet motor
- Radial low inertia design

CONTROL & POWER

• 240 starts/hour in peak abilities

MONITORING



- Automated rescue operation • Pulse 24/7 belt integrity
- monitoring system • Two-way communication and

ROPING



in charge of absorbing mechanical

DOORS



DOORS



options

Main

- Full glass car
- Full glass hoistways
- Compatible with outside installation for infrastructure projects



- Landing or hoistway installation • Full frame, small frame or no
- frame options • Glass or full glass

PREMIUM RIDE QUALITY

CAB AESTHETICS



- Modular microprocessor system
- Closed loop, variable frequency and voltage
- Regenerative drive with +/- 3 mm stopping accuracy
- Standby mode
- LED lightning in car and for hall fixtures



- Stainless steel polyurethane-coated belts instead of conventional ropes
- Lubrication free
- Life duration twice as long as conventional ropes

- Variable speed high-traffic door operator 240 stats/hours in peak
- EN81-58 fire resistant
- Reinforced self-cleaning slotted sill and aluminum door track with protected roller system
- Car door lock compatible



- compensating bumpers
- A class rails
- Reinforced rails attachments • Down to 50 dB(A) noise and 10 milli-g
- vibrations in car



- Basic aesthetics Classical design to meet your requirement

remote intervention system

SUSPENSION

with cellular 3G option





- 2:1 overslung configuration
- All moving elements integrated in the top of the high-resistance steel frame constraints







- - Ambiance aesthetics thousands of combinations available in natural and modern styles
 - Modular aesthetics a large range of preset styles to suit your building



HALL FIXTURES





- Flat or flush mounting
- In-car lintel or wall mounting
- Brushed, mirror or gold stainless steel finishes

FULL CUSTOMIZATION



- Variable dimensions
- Special car lining and doors
- High-constraint environment
- Our team stays at your disposal to make your project possible

Gen2 machine room-less specifications (1 - 2.5 m/s)

Duty load (kg)	Speed (m/s)	K Minimum (mm) EN81-1	K Minimum (mm) EN81-20	S Minimum (mm) EN81-20	Maximum number of stops	Maximum rise (m)	Cars in a group
	1	3759	3959	1229	20	50	
	1.5	3907	4107	1331	31	80	
630<=DL<=	1.6	3917	4117	1331	35	90	
1000	1.75	3979	4179	1375	37	96	
	2	4128	4328	1671	47	120	
	2.5	4363	4563	1827	47	120	
	1	3775	3975	1249	20	50	
1150<=DL<=	1.5	3923	4123	1351	31	80	
1600	1.6	3933	4133	1351	35	90	
	1.75	3995	4195	1395	37	96	
1150<=DL<=	2	4137	4337	1691	43	110	Up to 8
1275	2.5	4372	4572	1847	45	115	
1350<=DL<=	2	4137	4337	1691	47	120	
1600	2.5	4372	4572	1847	47	120	
	1	3873	4073	1195	20	50	
	1.5	4020	4220	1298	31	80	
1800<=DL<=	1.6	4031	4231	1298	35	90	
2000	1.75	4093	4292	1342	37	96	
_	2	4189	4389	1402	47	120	
_	2.5	4224	4624	1683	47	120	

Duty load	Speed	Car dimen	sion (mm)	(OP) x (OPH)	(HW) x (HD)
(kg)	(m/s)	(CW) x (CD)	Height	(mm)	(mm)
630		1100 x 1400			1820 x 1750
680	1.0 - 1.75	1150 x 1400		800 x 2100	1850 x 1750
750		1300 x 1400			1940 x 1750
	1.0<=V<=1.75	4250 4400		200 2400	0000 4750
800	2.0<=V<=2.5	1350 x 1400		800 x 2100	2000 x 1750
1000	1.0<=V<=1.75	4/00 4400		000 0400	2230 x 1750
1000	2.0<=V<=2.5	1600 x 1400		900 x 2100	2230 x 1750
4000	1.0<=V<=1.75	1100 0100		900 x 2100	1050 0150
1000	2.0<=V<=2.5	1100 x 2100		900 x 2100	1950 x 2450
	1.0<=V<=1.75		2300		2500 x 1800
1150	2.0<=V<=2.5	1800 x 1450		1000 x 2100	2550 x 1800
	1.0<=V<=1.75				2660 x 1800
1275	2.0<=V<=2.5	1950 x 1450		1100 x 2100	2700 x 1800
1050	1.0<=V<=1.75	0000 4500			2710 x 1850
1350	2.0<=V<=2.5	2000 x 1500		1100 x 2100	2750 x 1850
	1.0<=V<=2.5				
1600	2.0<=V<=2.5	2000 x 1700		1100 x 2100	2710 x 2050
1800	1.0<=V<=2.5	1900 x 2000		1100 x 2100	2630 x 1185
2000	1.0<=V<=2.5	2000 ×2000		1100 x 2100	2730 x 1185



ELEVATION





HOISTWAY PLAN

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Gen2 machine room-less specifications (3 - 3.5 m/s)

Duty load			90	00		10	00			1275					16	00		
Passenger capacity			1	2		1	3			17					2	1		
Size		Wi	Wide Deep Wide Deep Wide		Deep Wide													
Number of entrances	Number of entrances			1														
Speed (m/s)										;	3							
Counterweight safeti	ies		Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With
Hoistway dimension (mm)	Width (HW)	1	2180 (CLD900) 2100 (TLD900)	2300 (CLD900) 2230 (TLD900)	1930 (CLD800) 2030 (CLD900) 1800 (TLD900) 1860 (TLD1000)	2050 (CLD800) 2150 (CLD900) 1930 (TLD900) 1930 (TLD1000)	2480 (CLD1100)	2500 (CLD1000) 2600	2010 (TLD1100)	2030		2830	2310	2310	2700	2830	2800	2930
	Depth (HD)		1800 (CLD) 1890 (TLD)	2060 (CLD) 2110 (TLD)	2400 (CLD) 2490 (TLD)	2460 (CLD) 2510 (TLD)	1750 (CLD)	2010 (CLD)		90 .D)	1750	2010	2790	2790	2000	2260	1900	2110
	Width (CW)		1400 1		11	1100 1600		1200 2000		1400		20	2000		00			
Car dimension (mm)	Depth (CD)		15	00	21	00	14	00	23	00	14	00	24	00	17	00	16	00
	Height (CH)		2200 to 3200 (in 100 mm increments)														
	Opening he	eight (OPH)	2000 / 2100 / 2200 / 2300 / 2400	2100 / 2200 / 2300 / 2400	2000 / 2100 / 2200 / 2300 / 2400	2100 / 2200 / 2300 / 2400	2000 / 2100 / 2200 / 2300 / 2400	2100 / 2200 / 2300 / 2400	2000 / 2100 / 2200 / 2300 / 2400	2100 / 2200 / 2300 / 2400	2000 / 2100 / 2200 / 2300 / 2400	2100 / 2200 / 2300 / 2400	2000 / 2100 / 2200 / 2300 / 2400	2100 / 2200 / 2300 / 2400	2000 / 2100 / 2200 / 2300 / 2400	2100 / 2200 / 2300 / 2400	2000 / 2100 / 2200 / 2300 / 2400	2100 / 2200 / 2300 / 2400
Door dimension (mm)		Telescopic (TLD)	900	900	80 90 10	00	-	_		00 00	-	_	13	00	-	-	-	-
	Opening width (OP)	Center 2 panels (CLD)	700	700	80 90		90 10 11	00	-	-	11	00	-	-	11	00	11	00
		Center 4 panels (CLD2)	-	-	-	-	-	-		-		-	-	-		-	-	-
Top of car balustrade	e (mm)									11	00							
Standard overhead (f	for CH = 2400)) (mm)	53	40		53	40		53	60	53	60	53	60	53	60	53	60
Standard pit (mm)			2000	2410	2000	2410	2000	2410	2080	2450	2080	2450	2080	2450	2080	2450	2080	2450
Maximum number of	stops									50 / 32 (I	Flat COP)							
Maximum rise (m)										1	50							
Cars in group										Up	to 8							
Standard power (V)									380	- 400 - 4	15 - 440 -	460						
Frequency (Hz)										50	- 60							

1275 900 1000 13 17 12 Wide Deep Wide Deep Wide Dee 1 3.5 Without With Without With Without With Without With Without With Without 2210 2300 1960 2050 2330 2430 1930 2030 2730 2830 2310 (CLD900) (CLD900) (CLD800) (CLD800) (CLD900) (CLD900) (TLD1000) (TLD1000) 2130 2230 2060 2150 2410 2500 2010 2030 (TLD900) (TLD900) (CLD900) (CLD900) (CLD1000) (TLD1100) (TLD1100) 1830 1930 2510 2600 (TLD900) (TLD900) (CLD1100) (CLD1100) 1860 1930 (TLD1000) (TLD1000) 1800 2060 2400 2460 1750 2010 2690 1750 2010 2790 (CLD) (CLD) (CLD) (CLD) (CLD) (CLD) (TLD) 2110 2490 1890 2510 (TLD) (TLD) (TLD) (TLD) 1400 1100 1600 1200 2000 140 1500 2100 1400 2400 1400 2300 2200 to 3200 (in 100 mm increments)

2100 / 2200 / 2300 / 2400

900	800 900 1000	-	1000 1100	-	1300	-	-
700	800 900	900 1000 1100	-	1100	-	1100	1100
-	-	-	-	-	-	-	-
			110	00			
	5400				5430		
2550	2700	2550	2780		26	30	
			50 / 32 (F	lat COP)			
			15	0			
			Up t	0 8			
			380 - 400 - 41	5 - 440 - 460			
			50 -	60			

EN81-20 & 50 Compliant dimensions. Please contact your local sales representative depending on configurations for detailed specifications.

	16	00										
	21											
ep Wide												
With	Without	With	Without	With								
2310	2730	2830	2830	2930								
2790	2000	2260	1900	2110								
00	20	00	21	00								
00	17	00	16	00								



ELEVATION

One telescoping door entrance



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Gen2 machine room specifications (1 - 2.5 m/s)

FOR BOTH REAR COUNTERWEIGHT AND SIDE COUNTERWEIGHT

Duty load Spe	Speed (m/s)	Pit Depth S Minimum	Overhead K I	Minimum (mm)	Minimum	Maximum rise	Cars in a group
(kg)		(mm)	EN81-1	EN81-20	number of stops	(m)	5 1
	1	1157	3759	3959	16	50	
	1.5	1224	3906	4106	36	75	
630-1000	1.6	1224	3917	4117	36	90	
630-1000	1.75	1259	3970	4170	36	100	
	2	1324	4067	4267	45	125	
	2.5	1555	4306	4506	50	140	
	1	1157	3759	3959	16	50	
	1.5	1222	3904	4104	36	75	
1150 1/00	1.6	1222	3915	4115	36	90	
1150-1600	1.75	1268	3979	4179	36	100	Up to 8
	2	1328	4071	4271	45	125	
	2.5	1583	4306	4506	50	140	
	1	1195	3759	3959	16	50	1
	1.5	1298	3906	4106	36	75	1
1000 0000	1.6	1298	3917	4117	36	90	
1800-2000	1.75	1342	3979	4179	36	100	
	2	1402	4071	4271	45	120	
	2.5	1683	4306	4506	50	120	1

FOR SIDE COUNTERWEIGHT ONLY

Duty load	Speed (m/s)	Car dimer	nsion (mm)	Door dime	nsion (mm)	Hoistway dimension (mm)		
(kg)	Speed (m/s)	CW	CD	Opening (OP)	Door	НW	HD	
630		1400	1100	800		2150	1600	
680		1400	1200	800		2150	1600	
800		1400	1350	800		2150	1750	
900		1600	1350	900		2350	1850	
1000	105	1600	1400	900	C	2350	1900	
1150	1-2.5	1800	1450	1000	Center	2550	1850	
1350		2000	1500	1000		2750	1900	
1600		2000	1700	1100		2750	2100	
1800		1900	2000	1100		2570	2330	
2000		2000	2000	1100		2670	2330	

FOR REAR COUNTERWEIGHT ONLY

Duty load		Car dimer	nsion (mm)	Door dime	nsion (mm)	Hoistway dimension (mm)		
(kg)	Speed (m/s)	CW	CD	Opening (OP)	Door	HW	HD	
630		1400	1100	800		2000	1700	
680		1400	1200	800		2000	1800	
800		1400	1350	800		2000	1950	
900	105	1600	1350	900		2200	1950	
1000	1-2.5	1600	1400	900	Center	2200	2000	
1150		1800	1450	1000		2400	2100	
1350		2000	1500	1000		2500	2150	
1600	1	2000	1700	1100		2500	2350	

ПП

SIDE COUNTERWEIGHT



HOISTWAY PLAN







HOISTWAY PLAN

Solutions in motion

Our Gen2 elevators blend convenience, style and performance to deliver a new passenger experience that adds value to any residential, commercial, hospitality, medical or industrial building.

OUR FAMILY OF ELEVATORS AND ESCALATORS

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ARISE™ ELEVATORS

Our Arise elevators focus on delivering an efficient and highquality solution for your customers, tenants or passengers that changes how they experience your building.

LINK[™] ESCALATORS & MOVING WALKS

Ultimately safe, incredibly reliable and designed to integrate seamlessly with your building, our escalators and moving walks are engineered to be whisper quiet and smooth.

SKYRISE[™] ELEVATORS

Otis teams on site coordinate with contractors and builders, monitor specialized safety reviews and efficient installation as well as smooth handover when the project is complete.



Some of the world's most iconic buildings

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 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 69,000 people strong, including 40,000 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 and follow us on LinkedIn, Instagram, Facebook and Twitter @ OtisElevatorCo.

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