GEN2® STREAM

Designed for a world in motion

OTIS

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 maximise design freedom, Otis helps your building stand out.

OTIS GEN2 STREAM OVERVIEW

Maximum rise	150 m
Speed	1 – 3,5 m/s
Duty load	630 – 2500 kg
Maximum stops	50

Your elevator, your style

When designing a building, space is at a premium. Gen2 technology is uniquely designed to be small enough to fit inside the hoistway – eliminating the need for a machine room. So whether you want to impress visitors with an expansive, seamless lobby or offer tenants a larger space, Gen2 gives you the space to be architecturally creative. And if you're faced with architectural challenges such as moving large loads or dealing with dimensional constraints, our team will work with you to create a design solution for your unique project.

Access time-saving design tools and more at **www.otis.com**.

ARCHITECTURAL FLEXIBILITY
We'll help you create custom solutions including glass enclosures, outdoor application and special car dimensions.

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.

MAXIMISED SPACE SAVINGS
Flexible coated steel belts allow a smaller machine sheave, reducing machine size by 80 percent.

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.

MODERN AMBIANCE
Metallic and glossy textures bring together high-tech style and timeless design. This contemporary approach features sharp forms as seen in squared corners, handrails and optional matching ceiling lights.

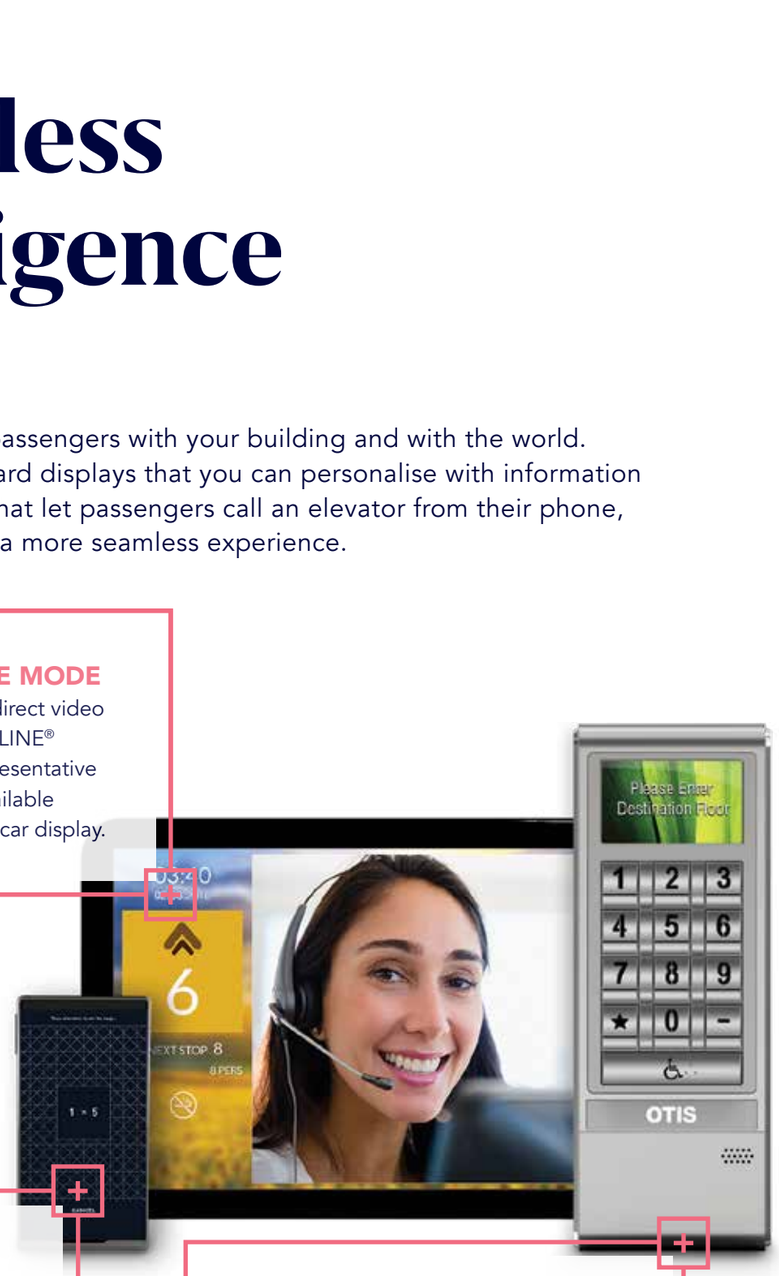
GLARE-FREE LIGHTING
Indirect light from car corners and control panels creates a comfortable environment for passengers.

Seamless intelligence

Gen2 connects your passengers with your building and with the world. From advanced onboard displays that you can personalise with information to smartphone apps that let passengers call an elevator from their phone, Otis helps you create a more seamless experience.

EVIEW™ RESCUE MODE

Emergency call with direct video link between an OTISLINE® customer service representative and passengers is available through the eView in-car display.



ECALL™

Summon an elevator from anywhere in the building – apartment, office or even on the move – with the eCall smartphone app.

ONECALL™

This destination keypad reduces hall and floor calls to the push of a single button. OneCall also provides accessibility functions such as extended door times and floor announcement.

Note: eView & eCall availability varies by country.
Please contact your sales representative for more information.

EVIEW NORMAL MODE

In-car display delivers information, entertainment, community announcements, news and weather while en route to your destination. With a service plan, the display can be customised from any computer, tablet or mobile device using the eService™ customer portal.

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.

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.

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 eCall smartphone app.

SECURITY

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.

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.

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 minimises noise in adjacent rooms.

Reliable, as expected

Some of the world's most distinguished buildings trust in Gen2 technology. 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 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'

From taking travelers to their next adventure to helping commuters move about their day, Otis moves billions of people to their destinations. Our facility in Gien, France, is one of our global manufacturing centers of excellence, serving customers across the world. From this state-of-the-art facility we innovate, test and improve the Otis equipment you'll find in some of the world's most iconic buildings.

Create a lasting experience

Whatever your sustainability goals – from designing net-zero buildings to managing your energy efficiency – Gen2 is engineered to meet your needs.

REGEN™ DRIVE

75%

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

LED LIGHTING

10x

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

LUBRICATION

ZERO

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

LOW-VOLTAGE ARCHITECTURE

50%

less energy consumed when employing standby mode – which also helps protect mechanics during maintenance.

SLEEP MODE

75%

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.

SPECIALISED INSTALLATION PLANNING
Our team helps at every step of the installation process, from coordinating contractors to monitoring specialised 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 personalised 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 eService customer portal and our personal commitment to always put your needs first.

WE EARN YOUR TRUST — EVERY DAY
Our mechanics see your building as their own. With a global team of more than 30,000, we work around the clock to keep your equipment operating like new. The result is truly personalised service that ensures we build your trust over the lifetime of your equipment.

TURNING DATA INTO ACTION
As one of the first elevator companies to use big data and predictive analytics to improve performance, we're experts at getting the most out of emerging technology. Our digital ecosystem uses the "internet of things"and mobility tools to predict and diagnose issues before they occur. All this to stay ahead of your needs and to deliver a personalised passenger experience.

Signature Service

Standard equipment

TRACTION

- Gearless machine with synchronous permanent magnet motor
- Radial low inertia design
- 240 starts/hour in peak abilities

MONITORING

- Automated rescue operation
- Pulse 24/7 belt integrity monitoring system
- Two-way communication and remote intervention system with cellular 3G option

ROPING

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

CONTROL & POWER

- 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

SUSPENSION

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

DOORS

- 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

Main options

PANORAMIC

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

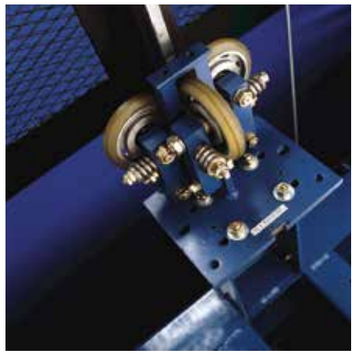
DOORS

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

LANDING FIXTURES

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

PREMIUM RIDE QUALITY



- High-speed friction rollers with compensating bumpers
- A class rails
- Reinforced rails attachments
- Down to 50 dB(A) noise and 10 milli-g vibrations in car

DESTINATION DISPATCH

- Intelligent passenger-and-destination smart grouping
- Fuzzy logic
- Security systems integration

FULL CUSTOMISATION

OTIS Exclusive

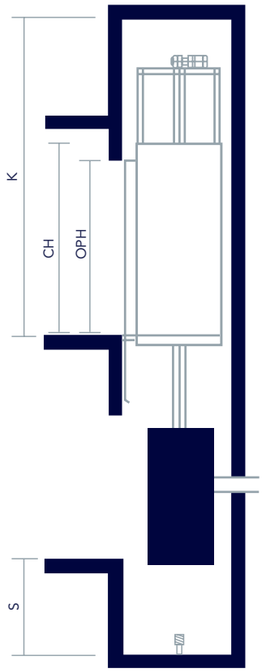
- Variable dimensions
- Special car lining and doors
- High-constraint environment
- Our team stays at your disposal to make your project possible

Gen2 specifications (1 - 2,5 m/s)

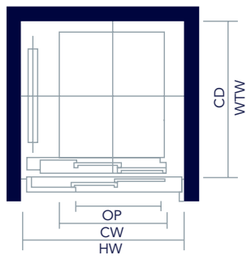
Duty load			630	650	800	820	900	920	1000	1025	1000	1025	1275		1600			
Passenger capacity			8		10		12		13		13		17		21			
Size			Deep		Wide		Wide		Deep		Wide		Deep		Wide		Deep	Wide
Number of entrances			1	2	1	2	1	2	1	2	1	2	1	2	1	2	1 2	1 2
Speed (m/s)			1 1,6 1,75										1 1,6 1,75 2 2,5					
Counterweight safeties			With or without															
Hoistway dimension (mm)	Width (HW)		1600 (TLD800) 1620 (TLD900) 1810 (CLD800) 1990 (CLD900)		1900 (TLD900) 1925 (CLD800) 2000 (CLD900)		1950 (TLD900) 1990 (CLD900)		1600 (TLD800) 1620 (TLD900) 1810 (CLD800) 1990 (CLD900) 1820 (TLD1000)		2150 (CLD900) 2255 (CLD1000) 2400 (CLD1100)		2020		2700		2320	2700
	Depth (WTW)		1650	1760	1650	1760	1750	1860	2350	2460	1650	1760	2550	2660	1650	1760	2650 2760	1850 1960
Car dimension (mm)	Width (HW)		1100		1350		1400		1100		1600		1200		2000		1400	2000 / 2100
	Depth (CD)		1400		1400		1500		2100		1400		2300		1400		2400	1700 / 1600
	Height (CH)		2200 / 2300										2200 to 2500 (in 100 mm increments)					
Door dimension (mm)	Opening height (OPH)		2000 / 2100										2000 / 2100 / 2200 / 2300					
	Opening width (OP)	Telescopic (TLD)	800 900		900		900		800 900 1000		–		1100		–		1300	–
		Center 2 panels (CLD)			800 900				800 900		900 1000 1100		–		1100		–	1100
		Center 4 panels (CLD2)	–		–		–		–		–		–		–		–	–
Top of car balustrade (mm)			1100															
Standard overhead (for CH = 2200)			3580 (for v = 1 m/s) 3735 (for v = 1,6 m/s) 3800 (for v = 1,75 m/s)										3580 (for v = 1 m/s) 3820 (for v = 1,6 m/s) 3890 (for v = 1,75 m/s) 4160 (for v = 2 m/s) 4400 (for v = 2,5 m/s)					
Standard pit			1100 (for v = 1 m/s) 1400 (for v = 1,6 m/s) 1440 (for v = 1,75 m/s)										1150 (for v = 1 m/s) 1310 (for v = 1,6 m/s) 1350 (for v = 1,75 m/s) 1550 (for v = 2 m/s) 1700 (for v = 2,5 m/s)					
Maximum number of stops			24*															
Maximum rise (m)			45 (for v = 1 m/s) 75 (for v = 1,75 m/s)										120					
Cars in group			Up to 5															
Standard power (V)			380 - 400 - 415															
Frequency (Hz)			50 - 60															

1800	1850	1800	1850	2000				2500							
24				26				33							
Deep		Wide		Deep		Wide		Deep		Double Deep		Square			
1	2	1	2	1	2	1	2	1	2	1	2	1	2		
1 1,6 1,75 2 2,5				1 1,6 1,75											
With or without															
2370		3050		2370		3050		2580 (TLD1300) 2650 (TLD1400) 2630 (CLD1100) 2730 (CLD1200) 2580 (CLD2 1400) 2640 (CLD2 1500) 2715 (CLD2 1600)		2940		3065			
2750	2860	1850	1960	2950	3060	1950	2060	2950	3060	2700	2810	2400	2510		
1500		2350		1500		2350		1800		1950		2200			
2500		1600		2700		1700		2700		2500	2450	2200	2150		
2200 to 2500 (in 100 mm increments)															
2000 / 2100 / 2200 / 2300															
1300		–		1300		–		1300 1400		–		–			
–		1200		–		1200		1100 1200		–		–			
–		–		–		–		1400 1500 1600		1800		1800			
1100															
3580 (for v = 1 m/s) 3820 (for v = 1,6 m/s) 3890 (for v = 1,75 m/s) 4160 (for v = 2 m/s) 4400 (for v = 2,5 m/s)				3580 (for v = 1 m/s) 3820 (for v = 1,6 m/s) 3890 (for v = 1,75 m/s)				3750 (for v = 1 m/s) 3940 (for v = 1,6 m/s) 4000 (for v = 1,75 m/s)							
1150 (for v = 1 m/s) 1310 (for v = 1,6 m/s) 1350 (for v = 1,75 m/s) 1550 (for v = 2 m/s) 1700 (for v = 2,5 m/s)				1240 (for v = 1 m/s) 1400 (for v = 1,6 m/s) 1440 (for v = 1,75 m/s)				1400 (for v = 1 m/s) 1490 (for v = 1,6 m/s) 1775 (for v = 1,75 m/s)							
24*															
120				75											
Up to 5															
380 - 400 - 415															
50 - 60															

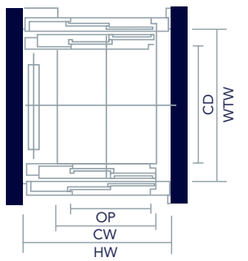
Vertical section



One telescoping door entrance



Two telescoping door entrances

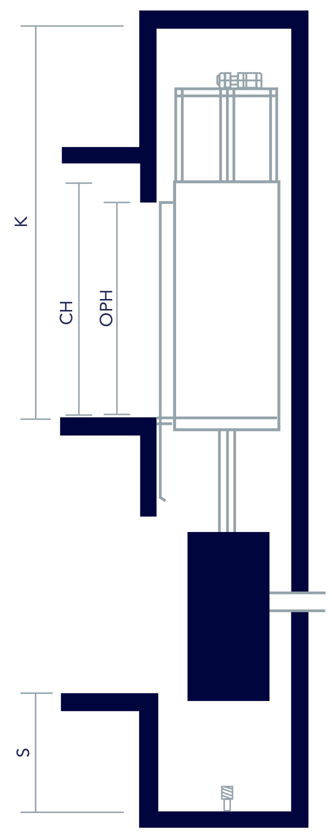


Gen2 specifications (3 - 3,5 m/s)

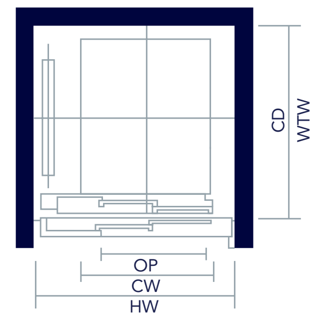
Duty load			900		1000				1275				1600					
Passenger capacity			12		13				17				21					
Size			Wide		Deep		Wide		Deep		Wide		Deep		Wide			
Number of entrances			1															
Speed (m/s)			3															
Counterweight safeties			Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With
Hoistway dimension (mm)	Width (HW)		2180 (CLD900) 2100 (TLD900)	2300 (CLD900) 2230 (TLD900)	1930 (CLD800) 2030 (CLD900) 1800 (TLD900) 1860 (TLD1000)	2050 (CLD800) 2150 (CLD900) 1930 (TLD900) 1930 (TLD1000)	2300 (CLD900) 2380 (CLD1000) 2480 (CLD1100)	2430 (CLD900) 2500 (CLD1000) 2600 (CLD1100)	1900 (TLD1000) 2010 (TLD1100)	2030 (TLD1000) 2030 (TLD1100)	2700	2830	2310	2310	2700	2830	2800	2930
	Depth (WTW)		1800 (CLD) 1890 (TLD)	2060 (CLD) 2110 (TLD)	2400 (CLD) 2490 (TLD)	2460 (CLD) 2510 (TLD)	1750 (CLD)	2010 (CLD)	2690 (TLD)		1750	2010	2790	2790	2000	2260	1900	2110
Car dimension (mm)	Width (CW)		1400		1100		1600		1200		2000		1400		2000		2100	
	Depth (CD)		1500		2100		1400		2300		1400		2400		1700		1600	
	Height (CH)		2200 to 3200 (in 100 mm increments)															
Door dimension (mm)	Opening height (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
	Opening width (OP)	Telescopic (TLD)	900	900	800 900 1000		–		1000 1100		–		1300		–		–	
		Center 2 panels (CLD)			800 900		900 1000 1100		–		1100		–		1100		1100	
		Center 4 panels (CLD2)	–		–		–		–		–		–		–		–	
Top of car balustrade (mm)			1100															
Standard overhead (for CH = 2400) (mm)			5340		5340				5360		5360		5360		5360		5360	
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 (Flat COP)															
Maximum rise (m)			150															
Cars in group			Up to 8															
Standard power (V)			380 - 400 - 415 - 440 - 460															
Frequency (Hz)			50 - 60															

Duty load			900		1000				1275				1600					
Passenger capacity			12		13				17				21					
Size			Wide		Deep		Wide		Deep		Wide		Deep		Wide			
Number of entrances			1															
Speed (m/s)			3,5															
Counterweight safeties			Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With	Without	With
Hoistway dimension (mm)	Width (HW)		2210 (CLD900) 2130 (TLD900)	2300 (CLD900) 2230 (TLD900)	1960 (CLD800) 2060 (CLD900) 1830 (TLD900) 1860 (TLD1000)	2050 (CLD800) 2150 (CLD900) 1930 (TLD900) 1930 (TLD1000)	2330 (CLD900) 2410 (CLD1000) 2510 (CLD1100)	2430 (CLD900) 2500 (CLD1000) 2600 (CLD1100)	1930 (TLD1000) 2010 (TLD1100)	2030 (TLD1000) 2030 (TLD1100)	2730	2830	2310	2310	2730	2830	2830	2930
	Depth (WTW)		1800 (CLD) 1890 (TLD)	2060 (CLD) 2110 (TLD)	2400 (CLD) 2490 (TLD)	2460 (CLD) 2510 (TLD)	1750 (CLD)	2010 (CLD)	2690 (TLD)		1750	2010	2790	2790	2000	2260	1900	2110
Car dimension (mm)	Width (CW)		1400		1100		1600		1200		2000		1400		2000		2100	
	Depth (CD)		1500		2100		1400		2300		1400		2400		1700		1600	
	Height (CH)		2200 to 3200 (in 100 mm increments)															
Door dimension (mm)	Opening height (OPH)		2100 / 2200 / 2300 / 2400															
	Opening width (OP)	Telescopic (TLD)	900		800 900 1000		–		1000 1100		–		1300		–		–	
		Center 2 panels (CLD)			800 900		900 1000 1100		–		1100		–		1100		1100	
		Center 4 panels (CLD2)	–		–		–		–		–		–		–		–	
Top of car balustrade (mm)			1100															
Standard overhead (for CH = 2400) (mm)			5400						5430									
Standard pit (mm)			2550		2700		2550		2780		2630							
Maximum number of stops			50 / 32 (Flat COP)															
Maximum rise (m)			150															
Cars in group			Up to 8															
Standard power (V)			380 - 400 - 415 - 440 - 460															
Frequency (Hz)			50 - 60															

Vertical section



One telescoping door entrance



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

Otis Elevator Company is the world's leading manufacturer and maintainer of people-moving products including elevators, escalators and moving walkways. With headquarters in Farmington, Connecticut, Otis employs 68,000 people globally. Founded 165 years ago by the inventor of the safety elevator, Otis offers products and services in approximately 200 countries and territories and maintains two million elevators and escalators worldwide. Otis is a unit of United Technologies Corp., a diversified company providing high technology products and services to the building and aerospace industries. For more information, visit www.otis.com or follow Otis on LinkedIn, YouTube and as @OtisElevatorCo on Twitter, Facebook and Instagram.

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