

Replacing your lift means **transforming** your everyday life.

CATALOGUE OF SOLUTIONS
FOR EXISTING BUILDINGS

We bring the lift within your reach.

Find out about our most innovative options for replacing your lift.

Installing a new lift is not only about making it safer, quieter, faster and more comfortable. It is the gateway to a new experience of comfort, safety and well-being that anticipates and welcomes you into your home. We offer a wide range of models and finishes that adapt to the requirements of your installation. In addition, our complete service includes prior evaluation, construction and maintenance of your new lift, so that you don't have to worry about anything.

We bring you **Orona Next**, the platform of mobility solutions for people in buildings, which makes it possible for Orona to fulfil its aim each and every day: to bring people together and to shorten the distances separating them. A platform of solutions comprised of lifts, escalators, moving walks and accessibility products, as well as a range of different options to adapt to your needs.

WE PUT ALL OUR ENERGY AT THE SERVICE OF SUSTAINABILITY

We design and integrate all systems to reduce the energy consumption of your solution, thinking about today and tomorrow, because sustainability is a part of who we are.

DESIGNED TO TAKE CARE OF YOU

Solutions that contribute to your well-being on board our lift cars, because our aim is to bring people together and shorten distances, looking after you and your loved ones throughout your trip.

A UNIVERSAL ACESIBILITY SPACE

Accessibility elements to ensure that your lift is a universal space, so that it can be used by everyone in safe, comfortable conditions and in the most natural and independent manner.



All our energy at the service of sustainability.

We have reduced energy consumption by up to 75%.

At Orona, we work responsibly and sustainably throughout the whole value chain, designing environmentally-friendly mobility solutions and promoting the development of a circular economy.

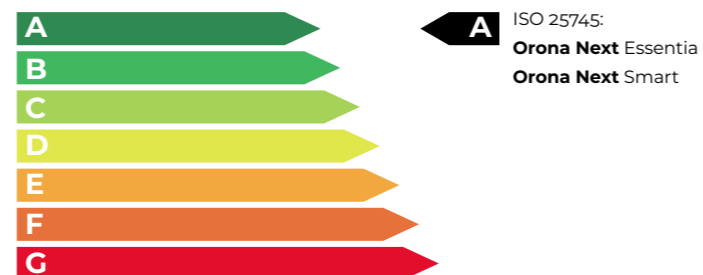


Class A solutions for all categories.

As a result of the high energy performance achieved by LED lightning and the standby mode system, **Orona Next** solutions have been granted class A energy certification in agreement with VDI/ISO standards.

We were the 1st company in the sector to receive Eco-design certification ISO 14006

Since 2008, the year in which we started to eco-design lifts according to UNE 150301, we have accumulated milestones and experience in eco-efficiency, reflecting our commitment to sustainability.



Environmental Product Declaration

Our **Orona Next** models have Environmental Product Declarations (EPD) certified under standard ISO 14025. We make information related to the environmental performance of our products available to you, based on a Life Cycle Analysis (LCA).

Organisational Carbon Footprint

As part of our commitment to Sustainability, we have Carbon Footprint certification according to ISO 14064, and we exercise transparency in relation to the emission of greenhouse gases resulting from our activity. Thus, we assume the yearly commitment to reduce emissions in our whole value chain.



Alternatives for reducing energy consumption by your lift.

- ORONA GRID REGEN. ENERGY REGENERATION SYSTEM.**
 - Every time the car goes up with a light load or down with a heavy one, instead of consuming it, the lift motor generates energy.
 - The energy generated by the lift can be used by other devices connected to the same network or (depending on the country) returned to the network, reducing consumption and contributing to cost savings.
- GEARLESS LOW-ENERGY DRIVE**
 - Our machine has one of the highest energy efficiencies in the market, reaching 90% performance.
- EFFICIENT LED LIGHTING AND AUTOMATIC CAR LIGHTING SWITCH-OFF**
 - Orona solutions include these two features out of the box, saving up to 80%.
 - Its useful life is up to 10 times longer.
- LIFT STANDBY MODE**

When the lift is on stand-by:

 - Car digital elements and signalling are dimmed.
 - The power elements (frequency inverter) switch to stand-by mode.
 - The car fan switches off.

Designed to take care of you.

Your health and that of your loved ones is important to us. That's why at Orona we have developed a series of solutions that contribute to your well-being:



Air purifier

The air purifier with nanoe™ X *1) technology inhibits the activity of viruses *2), ensuring that the lift car air is clean and guaranteeing your well-being. It has a highly efficient purifying function.

nanoe™ X technology is based on a multitude of hydroxyl radicals grouped into water droplets that inhibit viruses, transforming their protein.

Furthermore, the high level of air renewal in a lift reduces the risk of exposure. The greater the lift ventilation rate, the lower the accumulated dose to which passengers will potentially be exposed.

* 1) nanoe™ X is a registered trademark of Panasonic Corporation.

* 2) Test results may vary according to the exposure area and air quality. Further information at www.orona-group.com/en-gb/air-purifier-nanoe/

Anti-bacterial car walls

The innovative materials used on the lift surface keep your lift car clean, thanks to the antibacterial surface.

Antimicrobial handrails

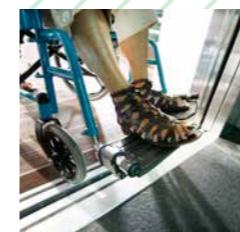
The handrail is the element used to facilitate access to the lift car, which is why we protect our handrails with an antimicrobial treatment that prevents both bacteria and viruses.



A space with universal accessibility.

Orona Next includes accessibility elements to ensure that your lift is a universal space, so that it can be used by everyone in safe, comfortable conditions and in the most natural and independent manner.

Accessibility solutions



PRECISE STOPPING
Optimises accessibility when entering or exiting the lift.



INDUCTIVE/ACOUSTIC COUPLING
For people with hearing disabilities.



BRaille PUSH BUTTON



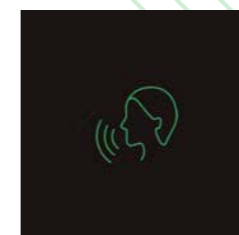
CAR PUSH BUTTON
Model with additional contrast.



GONG IN CAR AND ON LANDINGS
Notification of the lift reaching its destination through acoustic and visual signal.



ERGONOMIC HANDRAIL
Heights appropriate for users either standing or in wheelchairs.



MULTILINGUAL VOICE SYNTHESISER
Announces floor level, direction of travel and door operation.



SAFETY MIRROR ON THE BACK WALL
Facilitates detection of obstacles when exiting..



PHOTOELECTRIC CURTAIN
Avoids the risk of the doors hitting, allowing a safer use of the lift.



AUDIBLE AND VISUAL PUSH BUTTON INFORMATION
Their location, design, colour and visual / tactile (Braille) / sound operation comply with the EN 81-70 standard.

Other configurable options

- Tip-up seat.
- Visible direction arrow that displays the lift's direction of travel prior to its departure.
- Rear-view mirror.

Minimum car dimensions

We have cars with dimensions in accordance with EN 81-70.

Consult standard dimensions tables.

Be **free**: choose what you want.

Orona Next
Flex

Designed to maximise shaft efficiency



Orona Next
Essentia

Functionality and comfort within your reach



Orona Next
Smart

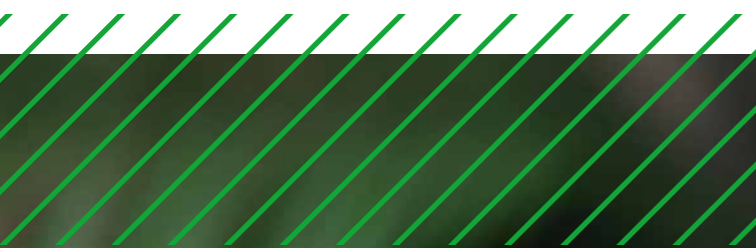
Solutions for high-rise buildings



Machine-room-less electrical gearless solutions (MRLG)

Model		Orona Next Flex	Orona Next Essentia	Orona Next Smart
Description of model		Designed to maximise shaft efficiency	Customised comfort	Solutions for high-rise buildings
Speed	m/s	1	1	1-1,6
Load Capacity	kg	180 a 630	320 a 630	320 a 1000
	persons	2 a 8	4-5-6-8	4 a 13
Maximum travel	m	45	40	50-60
	stops	16	14	21
Entrances	2x180°	○	○	○
	2x90°	○	○	*

*Consult technical specifications ○ Optional



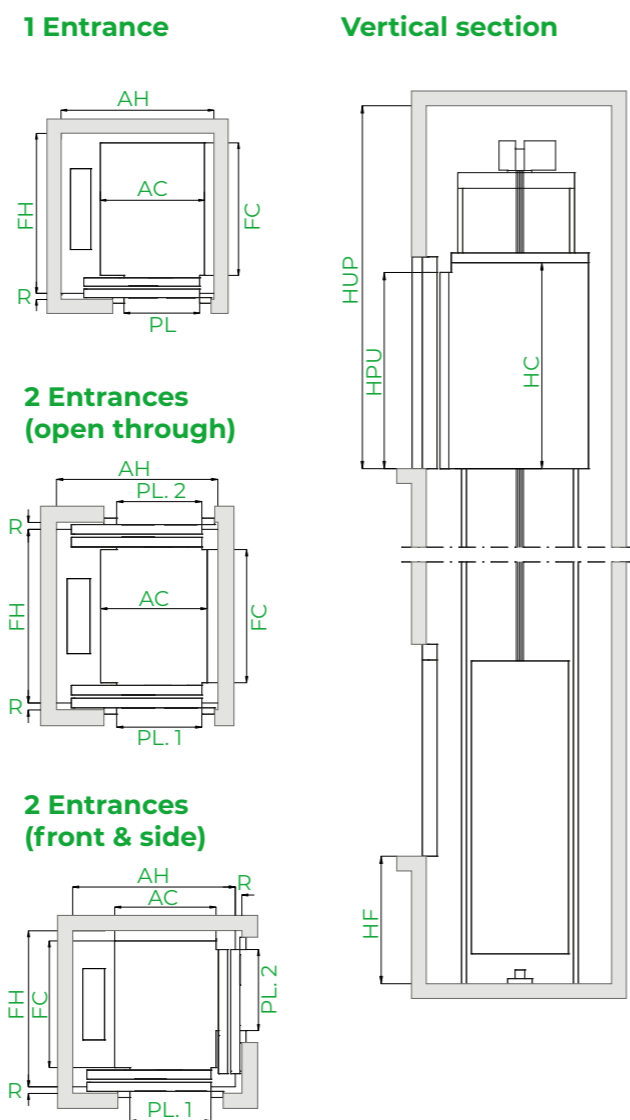
Flex

Designed to maximise shaft efficiency

Finite space, infinite solutions

General Specifications

Load	180 to 630 kg 180 to 450 kg (single-phase)
Capacity	2 to 8 persons 2 to 6 persons (single-phase)
Speed	1 m/s / 0.6 m/s (single-phase)
Maximum Travel	45 m / 25 m (single-phase)
Maximum Floors Served	16 Floors
Machine-room Option	Yes
Entrances	1 Front 2 Open through 2 Front & side
Drive System	Regulated gearless (180 stars per hour)
Controller	ARCA III controller, low energy consumption multiprocessor
Door Types	Automatic side-opening / Automatic centre-opening / Semi-automatic + hinged (BUS)
Clear door opening	From 500 to 900 mm
Door Height	2,000 / 2,100 / 2,200 mm
Car Dimensions	Parametric
Internal Car Height	2,100 / 2,200 / 2,300 mm
Power Supply	Three-phase / Single-phase



*Note: The diagrams are for guidance only.



Customised solution, examples of dimensions*

⚠ For minimal dimensions, consult the technical staff.

Load / Capacity			Car (mm)				Entrances	Lift Shaft ⁰ (mm)				HF Pit		HUP ⁴ Headroom			
								Side counterweight		Rear counterweight		Std.	Reduced		Std. ⁴	Reduced	
Accessibility	Persons	Q Load	AC Width	FC Depth	PL ⁵ Clear opening	No. of entrances	Side-opening doors	Central-opening doors	AH ¹ Depth	FH ² Fondo	AH ³ Width		FH ² Depth	With safety space		With safety space (EN 81-21) ⁵	With safety space
-	4	320 kg	825	1,100	700	1	2x180°	1,180	1,300	1,200	1,505	1,000	890 (830)**	400 (310)**	3,400	3,000**	2,600**
-	-	-	-	-	-	2x90°	1,230	1,300	1,200	1,505							
♿	6	450 kg	1,000	1,250	800	1	2x180°	1,335	1,445	1,340	1,655						
-	-	-	-	-	-	2x90°	1,405	1,445	1,340	1,655							
♿	8	630 kg	1,100	1,400	900	1	2x180°	1,435	1,600	1,490	1,805						
-						2x90°	1,505	1,600	1,490	1,805							
♿						2x180°	1,535	1,445	1,490	1,655							
-	-	-	1,200	1,250	900	1	2x90°	1,605	1,445	1,490	1,655						

- 0 Minimum plumb measurements.
 - 1 Accessible space below the pit (fall arrester on counterweight) or reduced pit without safety space: add 40 mm to AH. AH calculated for NN 3-panel telescopic doors.
 - 2 Shaft depth with the doors fully supported by the landing slab. Narrow mouthpiece bottom. In the case of NN, doors with narrow treads.
 - 3 Calculated width with central 2-panel doors. Narrow mouthpiece bottom in the first shipment.
 - 4 HUP minimum for internal car height (HC) of 2100 mm.
 - 5 There may be door constraints for a pit without a safety space (EN 81-21).
- * The information is not contractually binding and is subject to the conditions of the shaft
** Consult technical data

Customised car dimensions

												Car width																
												1,400																
												1,350																
												1,300																
												1,250																
												1,200																
												1,150																
												1,100																
												1,050																
												1,000																
												950																
												900																
												850																
												800																
												750																
												700																
												650																
												630																
1,450	1,400	1,350	1,300	1,250	1,200	1,150	1,100	1,050	1,000	950	900	850	800	750	mm	500	600	700	800	900								

Car depth

Clear door opening



1 MRL
Machine-room-less solution, with a reduced headroom as an option.



2 Optimised passenger unit
Saves space and reduces weight, providing safety, ergonomics and speed during assembly processes.



3 Accessible space below the pit
Adapts the lift to suit buildings requiring an accessible space below the pit..



4 Reduced top floor
Adaptable to buildings requiring a reduced top floor.



5 Drive
Compact, quiet, gearless, energy-efficient, inverter-drive permanent-magnet motor electrical machine.



6 Two-way communication
Between the car and the 24-hour Service Call Centre, in line with EN 81-28.



7 Automatic rescue system
With floor level indication to ensure fast, efficient and safe evacuation of passengers in the event of an emergency. As an option the system can incorporate a fully automatic rescue device to evacuate passengers in the event of a power failure.



8 Shaft usability
Lifts designed especially to use all the shaft space available especially in existing buildings, obtaining a good relation between the space available and the number of passengers to be transported.



Essentia

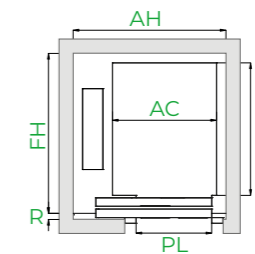
Functionality & comfort within your reach.

Our best-selling solution.

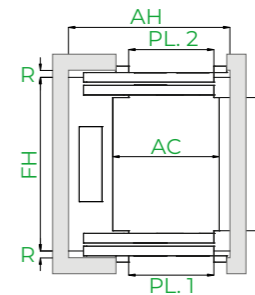
General Specifications

Load	320 - 400 - 450 - 630 kg 320 - 450 kg (Single-phase)
Capacity	4 - 5 - 6 - 8 kg 4 - 6 persons (Single-phase)
Speed	1 m/s / 0.6 m/s (single-phase)
Maximum Travel	40 m / 25 m (single-phase)
Maximum Floors Served	14 Floors
Machine-room Option	Yes
Entrances	1 Front 2 Open through 2 Front & side
Drive System	Regulated gearless (180 stars per hour)
Controller	ARCA III controller, low energy consumption multiprocessor
Door Types	Automatic side-opening Automatic centre-opening
Clear door opening	700 / 750 / 800 / 900 mm
Door Height	2,000 / 2,100 mm
Car Dimensions	Standard
Internal Car Height	2,100 / 2,200 mm
Power Supply	Three-phase / Single-phase

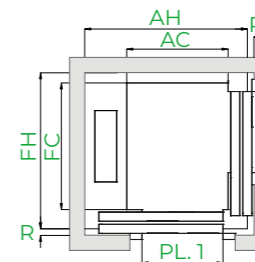
1 Entrance



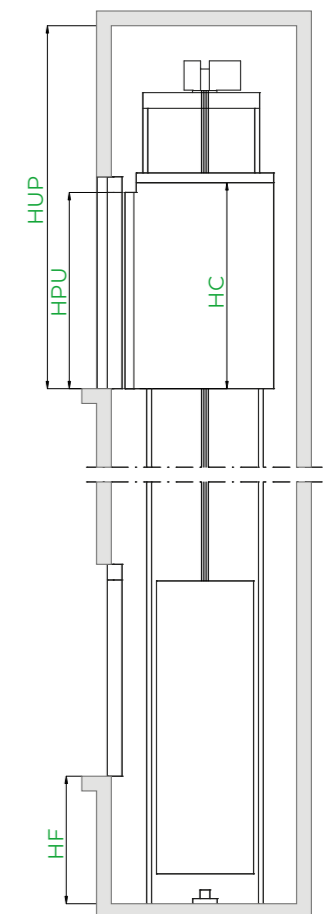
2 Entrances (open through)



2 Entrances (front & side)



Vertical section



*Note: The diagrams are for guidance only.



Standard dimensions*

Load / Capacity		Car (mm)			Lift Shaft° (mm)						HF Pit	HUP Head-room
Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances		Two-panel side-opening doors		Two-panel centre-opening doors			
					Accessibility	No. of entrances	AH ¹ Width	FH ² Depth	AH Width	FH ³ Depth		
4	320 kg	825	1,100	700	-	1	1,325	1,350	1,600	1,300	1,000 (850) ⁴	3,400
					-	2x180°		1,500		1,400		
					-	2x90°	1,450	-	-			
5	400 kg	850	1,200	800	-	1	1,425	1,450	-	-	1,000 (850) ⁴	3,400
					-	2x180°		1,600		-		
				-	2x90°	1,535	-	-				
6	450 kg	1,000	1,250	800	♿	1	1,500	1,500	1,800	1,450	1,000 (850) ⁴	3,400 (3,000) ⁵⁻⁶
					-	2x180°		1,650		1,550		
		-	2x90°	1,625	1,500	-	-					
6	450 kg	1,000	1,300	800	♿	1	1,550	1,550	1,800	1,500	1,000 (850) ⁴	3,400 (3,000) ⁵⁻⁶
					-	2x180°		1,700		1,600		
		-	2x90°	1,625	1,550	-	-					
8	630 kg	1,100	1,400	900	♿	1	1,600	1,650	2,000	1,600	1,000 (850) ⁴	3,400 (3,000) ⁵
					-	2x180°		1,800		1,700		
		-	2x90°	1,725	1,650	-	-					
8	630 kg	1,200	1,250	900	♿	1	1,700	1,500	2,000	1,450	1,000 (850) ⁴	3,400 (3,000) ⁵
					-	2x180°		1,650		1,550		
		-	2x90°	1,825	1,575	-	-					

- Minimum plumb measurements.
- 1 Accessible space below the pit (Counterweight with safety gear) add 50 mm to AH.
- 2 R=60 mm, lift shaft depth with 2-panel side-opening doors, resting 60 mm on the landing.
- 3 R=40 mm, lift shaft depth with 2-panel centre-opening doors, resting 40 mm on the landing

- 4 HF reduced pit optional 850mm.
- 5 Minimum HUP for internal car height (HC) of 2,100 mm. HUP reduced headroom optional only for 6 and 8 persons.
- 6 Except 2x90° with large-peep-hole doors.

* The information is not contractually binding and is subject to the conditions of the shaft



MRL
Machine-room-less solution, with a reduced headroom as an option.



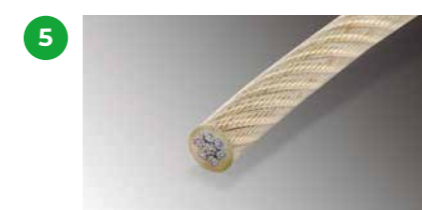
Optimised passenger unit
Saves space and reduces weight, providing safety, ergonomics and speed during assembly processes.



Accessible space below the pit
Adapts the lift to suit buildings requiring an accessible space below the pit.



Two-way communication
Between the car and the 24-hour Service Call Centre, in line with EN 81-28.



Traction ropes
They replace traditional steel ropes. As a result of their lighter weight, longer lifespan and greater flexibility, it is possible to use a more compact machine.



Traction ropes
They replace traditional steel ropes. As a result of their lighter weight, longer lifespan and greater flexibility, it is possible to use a more compact machine.



Doors
With a compact permanent-magnet motor, which allows fast, precise and quiet opening and closing motions, raising current feature standards, with pre-opening and/or light curtain. Optional Solid Door for higher flow situations.



Automatic rescue system
With floor level indication to ensure fast, efficient and safe evacuation of passengers in the event of an emergency. As an option the system can incorporate a fully automatic rescue device to evacuate passengers in the event of a power failure.

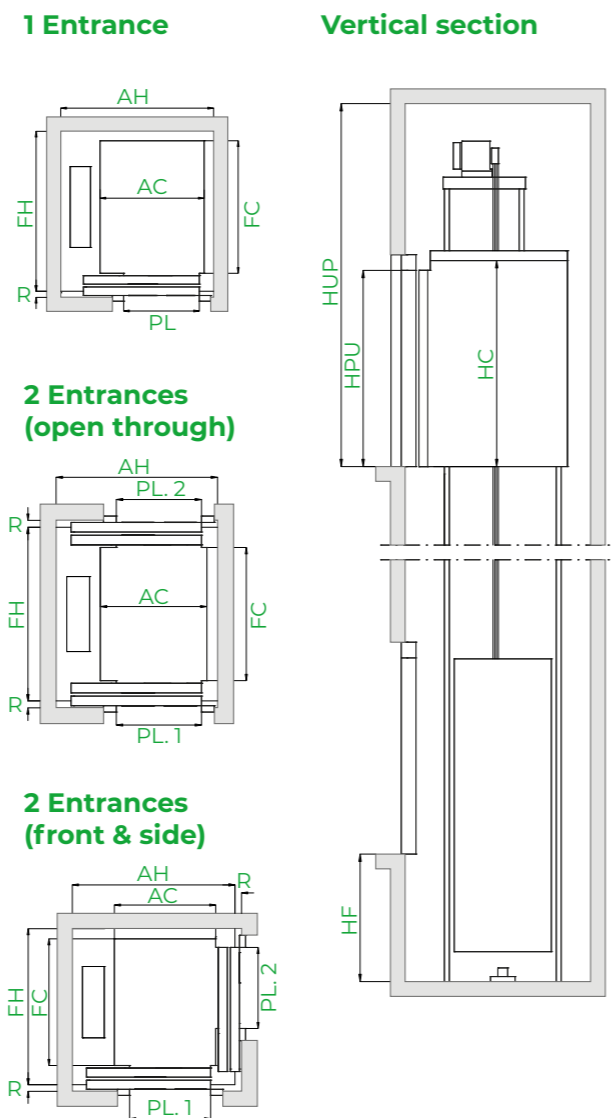


Smart Customised comfort.

Solution that can be adapted to all types of buildings and users. A sure investment to meet the needs of each of your projects..

General Specifications

Load	320 to 1,000 kg
Capacity	4 to 13 persons
Speed	1 - 1.6 m/s
Maximum Travel	50 - 60 m
Maximum Floors Served	16 - 21 floors
Machine-room Option	Yes
Entrances	1 Front 2 Open through 2 Front & side (>700kg)
Drive System	Regulated gearless (240 stars per hour)
Controller	ARCA III controller, low energy consumption multiprocessor
Door Types	Automatic side-opening Automatic centre-opening
Clear door opening	From 700 to 1,000 mm
Door Height	2,000 / 2,100 / 2,200 / 2,300 mm
Car Dimensions	Parametric
Internal Car Height	2,100 / 2,200 / 2,300 / 2,400 mm



*Note: The diagrams are for guidance only. Dimensions for 1 entrance. Car width and depth variable, in 5 mm increments. For simplification, table samples show increments of 100 mm.

Customised solution, examples of dimensions*

Speed	Load / Capacity		Car (mm)			Entrances		Lift Shaft ⁰ (mm)				HF Pit	HUP ⁵ Headroom	
	Persons	Q Load	AC Width	FC Depth	PL Clear opening	Accessibility	No. of entrances	Two-panel side-opening doors		2-panel centre-opening doors				
								AH ¹ Width	FH ² Depth	AH Width	FH ³ Depth			
1 m/s	4	320 kg	825	1,100	700	-	1 2x180°	1,300	1,350 1,500	-	-	1,000 (830) ⁴	3,400	
	6	450 kg	1,000	1,250	800	♿	1 2x180°	1,450	1,500 1,650	1,725	1,450 1,550			
	8	630 kg	1,100	1,400	900	♿	1 2x180°	1,600	1,675 1,850	1,925	1,625 1,750			
	10	800 kg	1,350 ⁷	1,400	900	♿	1 2x180°	1,825	1,675 1,850	1,925	1,625 1,750			
						-	1 2x90°	1,970	1,685	1,650	2,045			
						♿	1 2x180°	2,075	1,675 1,850	2,150	1,625 1,750			
1.6 m/s	4	320 kg	825	1,100	700	-	1 2x180°	1,325	1,350 1,500	-	-	1,120	3,550	
	6	450 kg	1,000	1,250	800	♿	1 2x180°	1,475	1,500 1,650	1,725	1,450 1,550			
	8	630 kg	1,100	1,400	900	♿	1 2x180°	1,625	1,675 1,850	1,925	1,625 1,750			
	10	800 kg	1,350	1,400	900	♿	1 2x180°	1,850	1,675 1,850	1,925	1,625 1,750			
						♿	1 2x180°	2,100	1,675 1,850	2,175	1,625 1,750			
						-	1 2x180°	1,775	2,375 2,550	2,125	2,300 2,400			

- 0 Minimum plumb measurements
 - 1 Accessible space below the pit (Counterweight with safety gear), add 115 mm to AH
 - 2 R=60 mm, lift shaft depth with 2-panel side-opening doors, resting 60 mm on the landing
 - 3 R=40 mm, lift shaft depth with 2-panel centre-opening doors, resting 40 mm
 - 4 830 mm optional reduced HF
 - 5 Minimum HUP for interior car height (HC) of 2,100 mm
 - 6 HUP optional reduced (HUP=HC+900). Consult availability of car dimensions. For 700 to 1,000 kg cars, cases without safety room EN81-20, minimum HUP of 2,750 mm for cab interior height (HC) of 2,100 mm. 2,650 mm HUP available with cabin interior height (HC) of 2,000 mm.
 - 7 For 800 Kg to 90° AC 1,325 mm
 - 8 For 1,000 Kg to 90° AC 1,400 mm FC 1,600 mm
 - 9 For 1,000 Kg to 90° PL 900 mm
- * The information is not contractually binding and is subject to the conditions of the shaft

Customised car dimensions

		Car width										Clear door opening															
		13	12	1,600																							
		13	13	11																							
		13	13	12	11	10	10	8	1,400																		
		13	12	11	10	9	8	1,300																			
		13	13	12	11	10	9	9	8	1,200																	
13	13	12	11	11	10	9	8	8	1,100																		
12	12	11	10	10	9	8				1,000																	
11	10	10	9	8	8					900																	
2,100	2,000	1,900	1,800	1,700	1,600	1,500	1,400	1,300	1,200	mm	800	900	1,000	1,100	1,200	1,300	1,400	1,500									

Car depth

Clear door opening



1 Drive
Compact, quiet, gearless, energy-efficient, inverter-drive permanent-magnet motor electrical machine.



2 Solid doors
Extra robust doors which improve sound-proofing inside and outside the lift and which are specially sized for an intense flow of people.



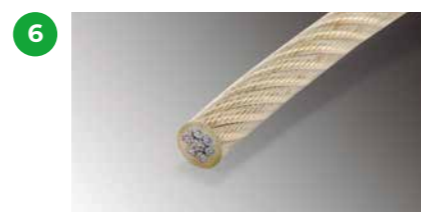
3 Parametric / Flexible
The parametric dimensions offer the possibility of adapting the lift to most potential space-based needs (optional).



4 Accessible space below the pit
Adapts the lift to suit buildings requiring an accessible space below the pit (optional).



5 Reduced headroom
Optional system that allows reducing the space required above the last floor in the building while ensuring maximum safety and protection for maintenance technicians.



6 Traction ropes
They replace traditional steel ropes. As a result of their lighter weight, longer lifespan and greater flexibility, it is possible to use a more compact machine with a more efficient and eco-friendly motor.



7 Two-Way Communication
Between the car and the 24-hour Service Call Centre, in line with EN 81-28.



8 Automatic rescue system
With floor level indication to ensure fast, efficient and safe evacuation of passengers in the event of an emergency. As an option, the system can incorporate a fully-automatic rescue device to evacuate passengers in the event of a power failure.



Options

	Orona Next Flex	Orona Next Essentia	Orona Next Smart
Eco-efficiency			
Low-energy drive	●	●	●
Iluminación eficiente LED	●	●	●
Automatic car lighting switch off	●	●	●
Landing illumination control	○	○	○
Lift stand-by mode	○	○	○
Adaptability			
Flexible controller location	○	○	○
Lift well enclosure	○	○	○
Reduced headroom (with safety space)	○	○	○
Reduced pit (with safety space)	○	○	○
Accessible space below the pit	○	○	○
Single-phase supply	○	○	○
Control and safety			
Evacuation			
Autodialler system	●	●	●
Automatic rescue system	○	○	○
Behaviour of lifts in the event of fire (EN 81-73)	○	○	○
Connection to auxiliary power source (generator)	○	○	○
Pit water detector	○	○	○
Safety landing call cancelling	○	○	○
Firefighters lift (EN 81-72)			○
Access control			
Zone cancelling, coded call	○	○	○
Compulsory stop at main floor	○	○	○
External call cancelling	○	○	○
Automatic car call deletion	○	○	○
Independent entrance selection	○	○	○
Non-emergency outage	○	○	○
Emergency outage	○	○	○
Anti-vandalism (EN 81-71)			○
Communications			
Pre-opening doors	○	○	○
Down collective control	○	○	○
Full collective control	○	○	○
Intercom system	○	○	○

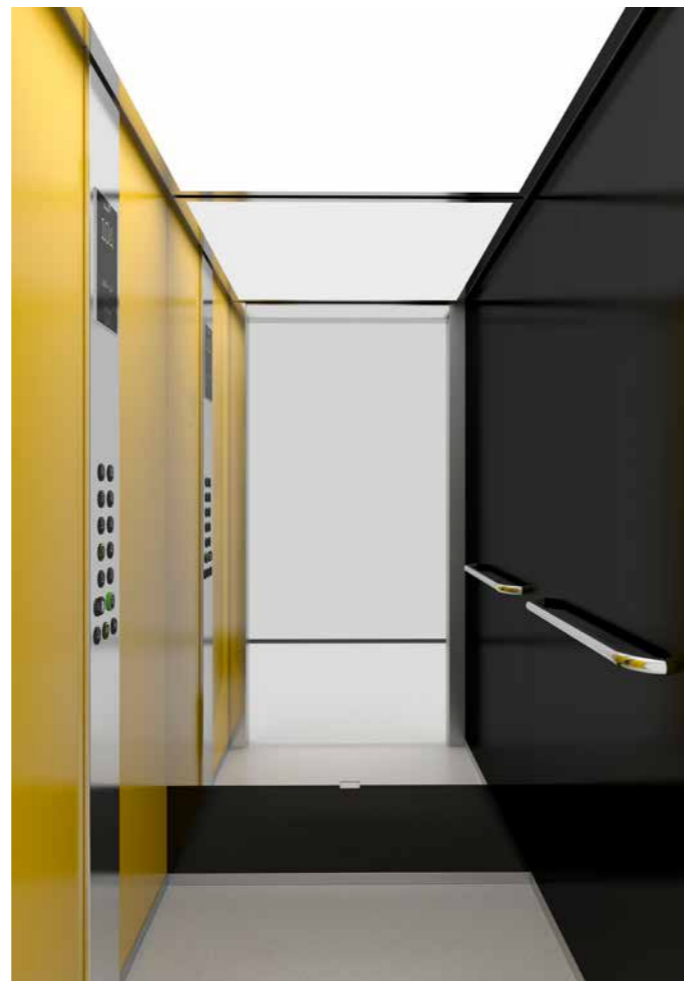
Design **your own space**, because first impressions count.

Quality involves fighting time to maintain the aesthetics and functionality of the lift for as long as possible. And the only way to respond to this challenge is through smart design and excellent quality materials. When a person enters our lifts, this condition must be present throughout their trip, which is why Orona offers different ambiances. All good things last longer.

Design your own car
at orona-ambiences.co.uk



HARMONIA



INNOVA



RINACCIA

HARMONIA

Ambiances inspired by natural elements, transmitting peace and serenity.

INNOVA

Innovation applied to design, offering refreshing trips that are full of energy.

RINACCIA

Ambiances based on timeless elements of contemporary architecture, offering an elegant experience.

The place where ideas develop...

Orona Ideo is the place where ideas, inspiration and future innovation meet.

Orona Ideo, together with our production plant, embraces the values that underpin Orona's strategy. It's much more than a set of facilities, it is the key to developing and consolidating any idea or project.

- Over 5,700 professionals
- Number 1 in production capacity in Europe for complete lifts
- 60 years' experience
- Direct presence in 12 countries and export to over 100 countries
- 2 production plants
- 2% investment in innovation
- In the top 5 of lift companies in Europe

...and where we make them happen.

Our values make us different.

INNOVATION >>

creativity, enterprise, vision... our approach to sustainable innovation.

PROACTIVITY >>

is resolving mobility challenges in short distances through our products and services platform.

CLOSENESS >>

to customer service and to the user experience. Closeness is the way we express that caring for people comes first.

COMMUNITY >>

it is the people that surround us, the environment in which we move, the place we serve. We collaborate to create a future without forgetting our origins. An organisation that puts the customer at the centre of what we do.



+30,000
units per year
production
capacity

No. 1
in complete
lift production
capacity in
Europe

60
years of
experience

+300,000
lifts worldwide with
Orona technology

ORONA