

# We are your travel companion.

CATALOGUE FOR SOLUTIONS

## We are Orona, your best travel companion

## You are in good hands, the best hands.

We are Orona, a leading business group in sustainable vertical passenger mobility; every day we help more than 25 million people reach their destinations around the world.

Our objective is to bring people together, shortening the distances that separate them.

A leader in elevation that puts the best of its knowledge at your disposal:

- Extensive experience throughout the entire vertical lift value chain
- The plant with the largest production capacity for complete lifts in Europe
- Lifting solutions designed and manufactured in Europe for the world

#### A committed partner:

 Social commitment, cooperative: people who work with people. We are united by our values.

#### A number is worth a thousand words

+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



#### Getting closer,

#### our way to be and our way of doing.

#### JOIN THE..

world leader in the distribution of complete lifts with a presence in more than 100 countries through local partners and long-standing relationships.

#### A MODEL BASED ON...

**comprehensive support**, providing its partners with first-class technical assistance.

#### **COLLABORATION IN...**

solving the major challenges of the **value chain** through access to processes and applications that provide competitiveness and differentiating features.

#### COMMITMENT...

in ensuring our partners have access to the latest market trends through our continued **investment in R&D**.

Join the Orona Next Experience, where the journey is the destination, live your own story.



## 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.

Orona Ideo is the ecosystem that brings together all the stakeholders involved in our innovation network, companies, universitites nad research centres, acting as a driver for increased knowledge and idea sharing which ultimately transforms into results.

## ...and the place where we make them happen.

## Facilities with the largest production capacity for complete elevators in Europe.

Orona has two production plants where manufactures equipment and provides service to customers over more than 100 countries in the world.

These production plants are organized in selfmanaged factories where each of them incorporates its own engineering, procurement logistics, material transformation and quality control.. All the components of the elevator are fully produced in these production plants, ensuring that the whole lift is shipped completely.

This makes us **No. 1 in complete lift production capacity in Europe**, with 30,000 lifts per year.



## Orona Next, we elevate your travel experience.

We are living in an increasingly global and digital world, a world in which the physical distance between people can be overcome thanks to technological development, which brings them closer together.

Just imagine having a partner who gives you access, in advance, to disruptive elements that make a difference, who guarantees you an innovative and competitive product, today and tomorrow. A partner who offers you a close involvement at all stages of the process, with comprehensive advice that takes you to the next level.

Orona Next is born, the platform for mobility solutions for people in buildings, which every day fulfils Orona's goal of bringing people together and shortening the distances that separate them. A platform of lift solutions, with a wide range of options to suit your needs.

#### **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 ACCESIBILITY 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.

### 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.

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<sup>TM</sup>  $X^{*1}$  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<sup>TM</sup> 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 $^{\text{TM}}$  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.



ON LANDINGS
Notification of the lift reaching its destination through acoustic and visual signal.

**GONG IN CAR AND** 



HANDRAIL
Heights appropriate
for users either
standing or in
wheelchairs.

**ERGONOMIC** 



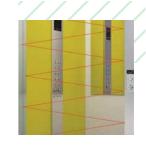
VOICE SYNTHESISER Announces floor level, direction of travel and door

operation.

**MULTILINGUAL** 



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.



## 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 AAA 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 AAA 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) performed according to the Eco-design standard ISO 14006.



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.



#### 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.

#### 2. GEARLESS LOW-ENERGY DRIVE

 Our machine has one of the highest energy efficiencies in the market, reaching 90% performance.

### 3. 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.

#### 4. 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.



# Be free: choose the solution that best meets your needs.



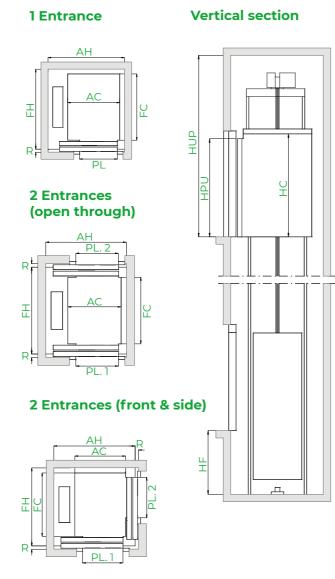
Model	Description of solution groups	Speed	Load   C	apacity	Maximu	m travel	Entrances			
		m/s	kg	persons	m	stops	2x180°	2x90°		
Essentia	Functionality and comfort within your reach	1	320-400-450-630	4-5-6-8	40	14	0	0		
Orona Next Smart	Customised comfort	1-1.6	320 to 1000	4 to 13	50-60	21	0	*		
Smart+	Quicker, stronger, taller	1-1.6	630 to 2500	8 to 33	50-75	32	0	*		
Orona Next <b>Rise</b>	Solutions for high-rise buildings	1.75-2.5	450* to 1600	6* to 21	130	64	٥			
Orona Next Flex	Fits in any shaft	1	180 to 630	2 to 8	45	16	0	0		

# **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	700/800/900 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



\*Note: The diagrams are for guidance only.



#### Standard dimensions\*

							Lift Sha	ft° (mm)				
Load/C	Capacity		Car (mm)				side-o <sub>l</sub>	anel pening ors	centre-	anel opening ors		
ññ	Q	AC	FC	PL	Entra	inces	AH¹	FH <sup>2</sup>	АН	FH <sup>3</sup>	HF	HUP Head-
Persons	Load	Width	Depth	Clear opening	Accessibility	No. of en- trances	Width	Depth	Width	Depth	Pit	room
						1	1,325	1,350	1,600	1,300		
4	320 kg	825	1,100	700	-	2x180°	1,525	1,500	1,000	1,400		
						2x90°	1,450	1,350	-	-		3,400
				800		1	1,425	1,450	-	-		
5	400 kg	850	1,200	BEO.	-	2x180°	1.575	1,600		-		
				750		2x90°	1,535	1,450	-	-		
			1.050		Å	1	1,500	1,500	1,800	1,450		
			1,250			2x180°		1,650		1,550		
6	450 kg	1,000		800	-	2x90°	1,625	1,500	-	-	1,000	3,400 (3,000) <sup>7</sup>
					Å	1	1,550	1,550	1,800	1,500	(850)4	(3,000)
			1,300			2x180°		1,700		1,600		
					-	2x90°	1,625	1,550	-	-		
					స్త్రీగ	1	1,600	1,650	2,000	1,600		
		1,100	1,400	900		2x180°		1,800		1,700		
8	630 kg				-	2x90°	1,725	1,650	-	-		3,400
	3				Å	1	1,700	1,500	2,000	1,450		(3,000)5-6
		1,200	1,250	900	O.	2x180°	.,	1,650	_,	1,550		
					-	2x90°	1,825	1,575	-	-		

- o 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 central-opening doors, resting 40 mm on the landing.
- 4 HF reduced pit optinal 850 mm.
- 5 Minimum HUP for internal car height (HC) of 2,100 mm. HUP reduced headroom optional only for 6 and 8 persons.
- 6 For 1100 x 1400 mm cars, cases without safety room EN81-21, minimum HUP of 2500 mm internal car height (HC) of 2000 mm. Check minimum height of headroom in case of central opening doors. Not compatible with accessible space below the pit (counterweight with safety gear).
- 7 Not available 2x90° with big doors.
  - \*The information is not contractually binding and is subject to the conditions of the shaft





Machine-room-less solution, with reduced headroom (optional).







Accessible space below the pit

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







Compact, quiet, gearless, energyefficient, inverter-drive permanentmagnet motor electrical machine.







#### 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.







#### Optimised passenger unit

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







#### **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.

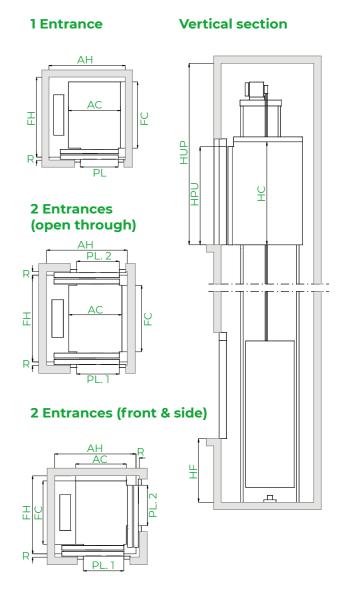


## **Smart Customised comfort**

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 (at intervals of 100 mm)
Door Height	<b>2,000</b> /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\*

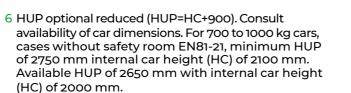
	Land (Camarita)								Lift Sha	ftº (mm)			
Lo	ad / Capad	city		Car (mm)					nel side- g doors	2-panel openin	central- g doors		
	ჩჩჩ	Q	AC	FC	PL	Entra	nces	AH <sup>1</sup>	FH <sup>2</sup>	AH	FH <sup>3</sup>		HUP⁵
Speed	Persons	Load	Width	Depth	Clear opening	Accessibility	No. of entrances	Width	Depth	Width	Depth	HF Pit	Headroom
	4	320 kg	825	1,100	700	-	1 2x180°	1,300	1,350 1,500	-	-		3,400
	6	450 kg	1,000	1,250	800	Å	1 2x180°	1,450	1,500 1,650	1,725	1,450 1,550		
	8	630 kg	1,100	1,400	900	0 0	1 2x180°	1,600	1,675 1,850	1,925	1,625 1,750		
1 m/s	10	800 kg	1,3507	1,400	900	βĥ	1 2x180°	1,825	1,675 1,850	1,925	1,625 1,750	1,000	3,400
						-	2x90°	1,970	1,685	1,650	2,045	(830)4	(3,050)6
			1,6008	1,4008	1,000	ÅÅ	1 2x180°	2,075	1,675 1,850	2,150	1,625 1,750		
	13	1,000 kg					2x90°	2,045	1,885	-	-		
	15	1,000 kg	1,100	2,100	1,0009	స్రీగీ	1 2x180°	1,775	2,375 2,550	2,125	2,300 2,400		
						-	2x90°	1,745	2,385	-	-		
	4	320 kg	825	1,100	700	-	1 2x180°	1,325	1,350 1,500	-	-		
	6	450 kg	1,000	1,250	800	Å	1 2x180°	1,475	1,500 1,650	1,725	1,450 1,550		
3.6 /	8	630 kg	1,100	1,400	900		1 2x180°	1,625	1,675 1,850	1,925	1,625 1,750	1100	7.550
1.6 m/s	10	800 kg	1,350	1,400	900	8 &	1 2x180°	1,850	1,675 1,850	1,925	1,625 1,750	1,120	3,550
			1,600	1,400	1,000	ÅÅ	1 2x180°	2,100	1,675 1,850	2,175	1,625 1,750		
	13	1,000 kg	1,100	2,100	1,000		1 2x180°	1,775	2,375 2,550	2,125	2,300 2,400		

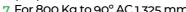
- o Minimum plumb measurements.
- 1 Accessible space below the pit (Counterweight with safety gear), add 115 mm to AH.
- 2 R=60 mm, lift shaft depth with 2-panel side-opening doors, resting 60 mm on the landing.
- 3 R=40 mm, lift shaft depth with 2-panel centre-opening doors, resting 40 mm.
- 4 HF reduced pit optional 830 mm.
- 5 Minimum HUP for internal car height (HC) of 2,100 mm.
- availability of car dimensions. For 700 to 1000 kg cars, cases without safety room EN81-21, minimum HUP of 2750 mm internal car height (HC) of 2100 mm. Available HUP of 2650 mm with internal car height
- 7 For 800 Kg to 90° AC 1,325 mm.
- 9 For 1,000 Kg to 90° PL 900 mm.

#### **Customised car** dimensions

											Car	WIG	th						
								13	12		1,600								
							13	13	11		1,500								
						13	13	12	11	10	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								
2,1	00	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





- 8 For 1,000 Kg to 90° AC 1,400 mm FC 1,600 mm.

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



#### **Drive**

Compact, quiet, gearless, energyefficient, inverter-drive permanentmagnet motor electrical machine.





#### Parametric / Flexible

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





#### **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.

⊪✓



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.





#### 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.







#### Accessible space below the pit

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







#### **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.





#### Automatic rescue system

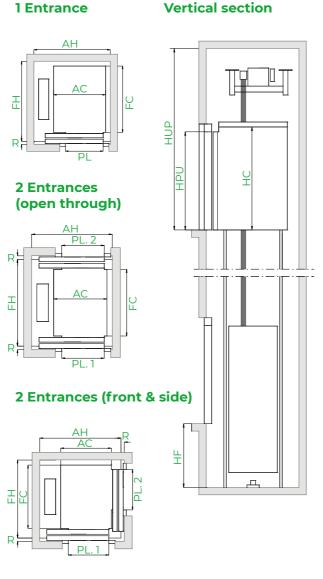
## **Smart+**

## Features that can satisfy every need.

Quicker, stronger, taller. Reliability and durability in transport, guaranteeing the safety of all users.

#### **General Specifications**

Load	630 to 2,500 kg
Capacity	8 to 33 persons
Speed	1 - 1.6 m/s
Maximum Travel	50 - 75 m
Maximum Floors Served	32 floors
Machine-room Option	Yes
Entrances	1 Front 2 Open through 2 Front & side (<1,250kg)
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 800 to 1,600 mm (in 100 mm increments)
Door Height	2,000 / 2,100 / 2,200 / 2,300 mm
Car Dimensions	Parametric



\*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\*

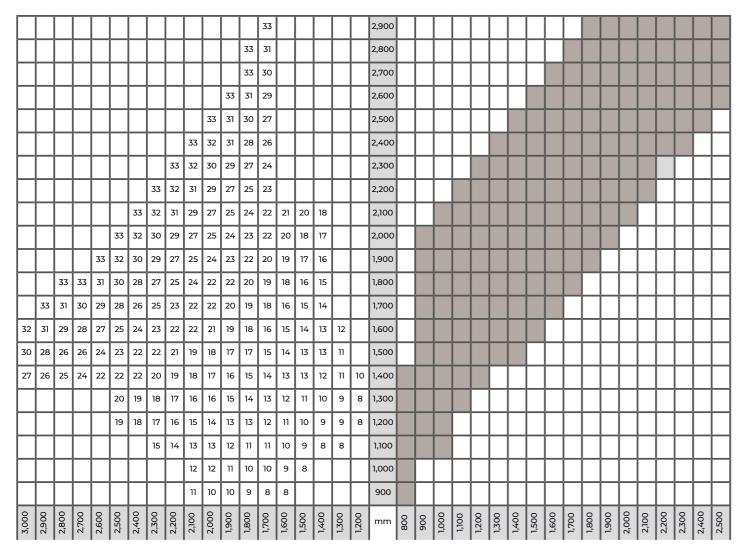
10	ad / Capac	itv		Car (mm)		Lift Shaft <sup>o</sup> (mm)*											
LU	au/ Capac	ity		Cai (IIIII)			ide-openin	g doors		Centre-opening doors							
C	ñññ	Q	AC	FC	PL	Entra	ince	ΑH¹	FH <sup>2</sup>	АН	FH <sup>3</sup>	HF	HUP4				
Speed	Persons	Load	Width	Depth	Clear opening	Accessibility	No. of entrances	Width	Depth	Width	Depth	Pit	Head- room				
	8	630 kg	1,100	1,400	900		1 2x180°	1,700	1,675 1,850	1,950	1,625 1,750						
	10	800 kg	1,350	1,400	900	ÅÅ	1 2x180°	1,975	1,675 1,850	1,975	1,625 1,750	1,050	3,550				
	13	1,000 kg	1,600	1,400	1,000	G	1 2x180°	2,225	1,675 1,850	2,225	1,625 1,750	1,030	3,330				
	15	1,000 kg	1,100	2,100	1,000		1 2x180°	1,775	2,375 2,550	-	-						
	17	1,275 kg	1,200	2,300	1,100		1 2x180°	1,935	2,600 2,750	-	-						
1 m/s	21	1,600 kg	1,700	1,950	1,000		1 2x180°	-	-	2,450	2,200 2,300	1,150	3,600				
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,400	2,400	1,200		1 2x180°	2,085	2,700 2,850	-	-						
	24	1,800 kg	2,350	1,600	1,200	ስስስ <sub>选</sub>	1 2x180°	-	-	3,150	1,950 2,160						
	26	2,000 kg	2,350	1,700	1,200		1 2x180°	-	-	·	2,050 2,260	1,465	3,650				
			1,500	2,700	1,300		1 2x180°	180° 2,300	3,050 3,260	-	-		-,200				
	33	2,500 kg	1,800	2,700	1,300		1 2x180°	2,600	3,050 3,260	-	-						
	8	630 kg	1,100	1,400	900		1 2x180°	1,725	1,675 1,850	1,950	1,625 1,750						
	10	800 kg	1,350	1,400	900	ስ <sub></sub> ሑ	ň <u>ů</u>	ሰሌ	ሰሌ	ስ <sub></sub> ሎ	1 2x180°	1,975	1,675 1,850	1,975	1,625 1,750	1,200	3,700
	13	1,000 kg	1,600	1,400	1,000	*G	1 2x180°	2,225	1,675 1,850	2,225	1,625 1,750	1,200	3,700				
	15	1,000 kg	1,100	2,100	1,000		1 2x180°	1,775	2,375 2,550	-	-						
	17	1,275 kg	1,200	2,300	1,100		1 2x180°	1,935	2,600 2,750	-	-						
1.6 m/s	21	1,600 kg	1,700	1,950	1,000	ჩჩჩტ	ÅĥĥÅ	იია	იიატ	1 2x180°	-	-	2,450	2,200 2,300	1,250	3,765	
		,,000 kg	1,400	2,400	1,200		1 2x180°	2,085	2,700 2,850	-	-						
	24	1,800 kg	2,350	1,600	1,200		1 2x180°	-	-	3,150	2,050 2,260						
	26	2,000 kg	2,350	1,700	1,200	ስ <mark></mark> ስስስ选	1 2x180°	-	-	3,150	2,050 2,260	1,600	3,790				
			1,500	2,700	1,300		1 2x180°	2,300	3,050 3,260	-	-						
	33	2,500 kg	1,800	2,700	1,300			1 2x180°	2,600	3,050 3,260	-	-					

- o Minimum plumb measurements.
- 1 Accessible space below the pit
- (Counterweight with safety gear) add 50 mm to AH.
- 2 Shaft depth with door tracks projecting 60 mm on the landing.
- 3 Shaft depth with door tracks projecting 40 mm on the landing.
- 4 Minimum HUP for internal car height (HC) of 2,100 mm.

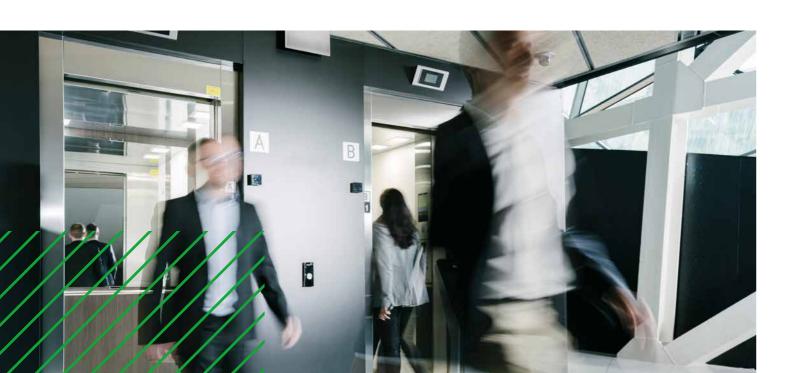
\* The information is not contractually binding and is subject to the conditions of the shaft

#### **Customised car dimensions**

#### Car width



Car depth Clear door opening





#### Drive

Compact, quiet, gearless, energyefficient, inverter-drive permanentmagnet motor electrical machine.





#### Parametric / Flexible

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





Provides greater lift comfort, reducing vibration and noise during lift travel.





Special car dimensions, with extra depth and wider doors.

Designed with reinforced panels and floors for multiple and intensive uses.





#### Solid doors

Extra robust doors which improve soundproofing inside and outside the lift and which are specially sized for an intense flow of people.







Accessible space below the pit

an accessible space below the pit

Adapts the lift to suit buildings requiring









#### **Traction ropes**

(optional).

₺ ✓

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.







#### 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.





## Rise The sky is the limit.

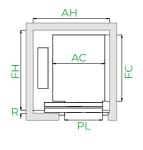
Guarantees comfortable and safe mobility for long travel times, improving the user experience throughout the trip.

#### **General Specifications**

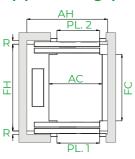
Standard Optional

Load	450 (MR)/630 - 1,600 kg
Capacity	6(MR)/8 to 21 persons
Speed	1.6(MR)/1.75 - 2 - 2.5 m/s
Maximum Travel	130 m
Maximum Floors Served	64 floors
Machine-room Option	Yes
Entrances	1 Front 2 Open through
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 900 to 1,200 mm (in increments of 100 mm)
Door Height	2,000/2,100/2,200/2,300 mm
Car Dimensions	Parametric
Internal Car Height	<b>2,100</b> /2,200/2,300/2,400 mm

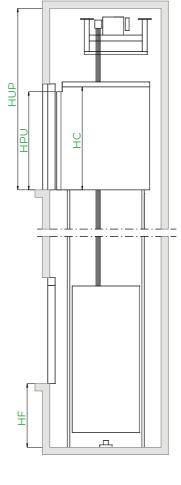
#### 1 Entrance



## 2 Entrances (open through)



#### **Vertical section**



#### Customised solution, examples of dimensions\*

Las	d / Compoier		,	(	,	Lift Shaft <sup>o</sup> (mm)*										
LOa	d / Capacity		,	Car (mm	)	Si	de-opening door	s		Cer	ntre-ope	ning do	ors			
	000				PL	Entr	ance						HUP			
Speed	იიი Persons	Q Load	AC Width	FC Depth	Clear open- ing	Accessibility	No. of entrances	AH <sup>1</sup> Width	FH <sup>2</sup> Depth	AH <sup>1</sup> Width	FH <sup>3</sup> Depth	HF Pit	Head- room			
	8	C70 ka	1100	1/00	900		1	1000	1,900	1050	1,800					
	8	630 kg	1,100	1,400	900		2x180°	1,850	2,000	1,950	1,950					
	10	900 kg	1750	1.400	900		1	2,100	1,900	2,100	1,800	1,6854				
	10	800 kg	1,350	1,400	900	Å&	2x180°	2,100	2,000	2,100	1,950	- 1,790⁵				
			1.600	1,400	1,000	''G	1	2,350	1,900	2,350	1,800	-				
	13	1,000	1,600	1,400	1,000		2x180°	2,330	2,000	2,350	1,950	2,150 <sup>6</sup>				
1.75 m/s	IJ	kg	1,100	2,100	1,000		1	1,850	2,400	2,150	2,350		4,525 <sup>7</sup>			
- 2 m/s			1,100	2,100	1,000		2x180°	1,030	2,550	2,130	2,450		- 4,660 <sup>8</sup>			
-			2.000	1,400	1,100		Ī	2,800	1,900	2,800	1,800		-			
2.5 m/s	17	1,275	2,000	1,400	1,100		2x180°	2,000	2,000	2,000	1,950		4,865°			
	17	kg	1,200	2,300	1.100		1	2,000	2,600	2,350	2,550	1,9054				
			1,200	2,500	1,100	ჩჩჩტ	2x180°	2,000	2,750	2,550	2,650	- 2,005⁵				
			2,100	1,600	1,100		1	2,900	1,950	2,900	1,900	-				
	21	1,600	2,100	1,000	1,100		2x180°	2,300	2,100	2,300	2,050	2,150 <sup>6</sup>				
	21	kg	1,400	2,400	1200		1	2,200	2,700	2,550	2,650					
			1,-+00	2,400	1,200		2x180°	2,200	2,850	2,330	2,750					

- o Minimum plumb measurements.
- 1 Considered without safety gear at counterweight (35 mm clearance to door frame).
- In the case of safety gear at counterweight (98 mm clearance to door frame).
- 2 Lift shaft depth with door tracks projecting 60 mm on the landing (adapted to space 50).
- 3 Lift shaft depth with door tracks projecting 40 mm on the landing (adapted to space 34).
- 4 (1.75m/s, Q≤1250kg) HF minimum (HF=BC+1585) Table
- 5 (2m/s, Q≤1250kg) HF minimum (HF=BC+1690) Table BC=100 (2m/s, Q>1250kg) HF minimum (HF=BC+1905) Table BC=100

- 6 (2,5m/s) HF minimum (HF=BC+2050) Table BC=100
- 7 (1.75m/s) Minimum HUP (HUP=HCext+2225) \*Table HC=2,300, with sliding shoes.
- 8 (2m/s) Minimum HUP (HUP=HCext+2360) \*Table
- 9 (2.5m/s) Minimum HUP (HUP=HCext+2585) \*Table HC=2,300.

Car width

 $\mbox{\ensuremath{^{\ast}}}$  The information is not contractually binding and is subject to the conditions of the shaft

#### **Customised car dimensions**

									21	20	18			2,100					
								21	20	18	17			2,000					
							21	20	19	17	16			1,900					
						21	20	19	18	16	15			1,800					
					21	20	19	18	16	15	14			1,700					
				21	21	19	18	16	15	14	13	12		1,600					
		21	21	19	18	17	17	15	14	13	13	11		1,500					
21	21	20	19	28	17	16	15	14	13	13	12	11	10	1,400					
20	19	18	17	16	16	15	14	13	12	11	10	9	8	1,300					
19	18	17	16	15	14	13	13	12	11	10	9	9	8	1,200					
		15	14	13	13	12	111	11	10	9	8	8		1,100					
				12	12	11	10	10	9	8				1,000					
				11	10	10	9	8	8					900					

2,500 2,400 2,300 2,200 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 1,600 Car depth

#### ORONA NEXT FLEX

#### Drive

Compact, quiet, gearless, energyefficient, inverter-drive permanentmagnet motor electrical machine.





#### Robust lift car

Provides greater lift comfort, reducing vibration and noise during lift travel.







#### Travel time

Special solution for buildings with long travel times.







#### Cars

Special car dimensions, with extra depth and wider doors. Designed with reinforced panels and floors for multiple and intensive uses.





#### Machine room

Simplifies lift maintenance operations thanks to the space available in the room.



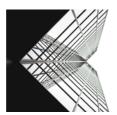




Accessible space below the pit Adapts the lift to suit buildings requiring an accessible space below the pit (optional).







#### Speed

Solution that reaches a greater speed, offering quicker trips for long travel times.







#### 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.



## Flex Fits in any shaft.

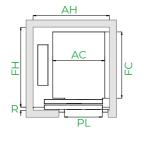
#### Finite space, infinite solutions

#### **General Specifications**

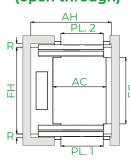
180 to 630 kg 180 to 450 kg (Single-phase)
2 to 8 persons 2 to 6 persons (Single-phase)
1 m/s / 0.6 m/s (Single-phase)
45 m / 25 m (Single-phase)
16 Floors
Yes
1 Front 2 Open through 2 Front & side
Regulated gearless (180 stars per hour)
ARCA III controller, low energy consumption multiprocessor
Automatic side-opening / Automatic centre-opening / Semiautomatic + Articulated (BUS)
From 500 to 900 mm
2,000 / 2,100 / 2,200 mm
Parametric

2,100 / 2,300 mm

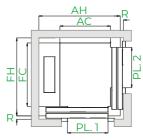
#### 1 Entrance



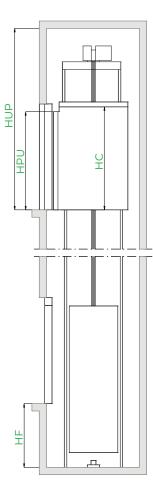
### 2 Entrances (open through)



### 2 Entrances (front & side)



#### Vertical section



\*Note: The diagrams are for guidance only.

**Internal Car Height** 







#### Customised solution, examples of dimensions\*

									Lift Sha	ıft° (mm	)					
Load / Capacity				Entran	Side coun- terweight			Rear coun- terweight		HF Pit			HUP⁴ Headroom			
			Car (mm)		ces	Side- opening doors		Central-opening doors			Reduced			Redu	uced	
Å Accessi- bility	nn Per- sons	Q Load	AC Width	FC Depth	PL <sup>5</sup> Clear ope- ning	No. of entran- ces	AH <sup>1</sup> Depth	FH <sup>2</sup> Fondo	AH <sup>3</sup> Width	FH <sup>2</sup> Depth	Std.	With safety space	With safety space (EN 81-21) 5	Std. <sup>4</sup>	With safety space	With safety space (EN 81-21)
						1	1,150	1,300	1,150	1,525						
-	- 4 320 kg	320 kg	825	1,100	700	2x180°	1,130	1,450	-	-						
						2x90°	1,250	1,300	1,200	1,525						
Å					0 800	1 1,325 2x180°	1,450	1,300	1,675							
G	6	450 kg	1,000	1,250			1,600	-	-							
-						2x90°	1,425	1,450	1,400	1,675	1,000	890	400	7 (00	3,000**	2.600**
ň选ۣ						1	1,425	1,600	1,450	1,825	1,000	(830)**	(310)**	3,400	3,000	2,000
··G			1,100	1,400	900	2x180°	1,423	1,750	-	-						
-	8	630 kg				2x90°	1,525	1,600	1,500	1,825						
Å	0	650 kg	1,200			1	1,525	1,450	1,450	1,830						
Gı				1,250	900	1,52 2x180°	1,525	1,600	-	-						
-						2x90°	1,625	1,450	1,500	1,830						

- o Minimum plumb measurements.
- 1 Accessible space below the pit (Counterweight with safety gear) or reduced pit without safety space add 40 mm to AH. AH calculated for 3-panel side-opening doors.
- 2 Shaft depth with door tracks projecting as a whole on the landing.
- 3 Width calculated for HH 4 panel central door.
- 4 HUP minimum for internal car height (HC) 2,100 mm.
- 5 Door restrictions may exist for pits without safety space EN 81-21.

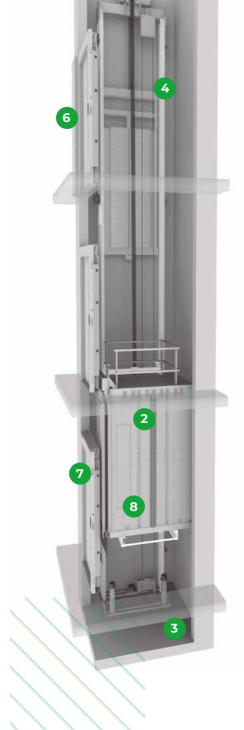
#### **Customised car dimensions**

Car depth

						8	8	8	7	7	6				1,400					
					8	8	8	7	7	6	6	5			1,350					
				8	8	8	7	7	6	6	6	5			1,300					
			8	8	8	7	7	7	6	6	5	5			1,250					
		8	8	8	7	7	7	6	6	5	5	5			1,200					
	8	8	8	7	7	7	6	6	5	5	5	5	4		1,150					
8	8	8	7	7	7	6	6	5	5	5	5	4	4		1,100					
8	8	7	7	7	6	6	5	5	5	5	4	4	4	3	1,050					
8	7	7	6	6	6	5	5	5	5	4	4	4	4	3	1,000					
7	7	6	6	6	5	5	5	5	4	4	4	4	3	3	950					
6	6	6	6	5	5	5	5	4	4	4	4	3	3	3	900					
6	6	5	5	5	5	5	4	4	4	4	3	3	3	3	850					
5	5	5	5	5	5	4	4	4	4	3	3	3	3	3	800					
5	5	5	5	4	4	4	4	3	3	3	3	3	3	2	750					
5	5	4	4	4	4	4	3	3	3	3	3	2	2	2	700					
4	4	4	4	4	3	3	3	3	3	3	2	2	2	2	650					
4	4	4	3	3	3	3	3	3	3	2	2	2	2	2	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

Clear door opening

#### Car width







#### MRL

Machine-room-less solution, with reduced headroom (optional).







#### Accessible space below the pit

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





Compact, quiet, gearless, energyefficient, inverter-drive permanentmagnet motor electrical machine.



#### 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.







#### Optimised passenger unit

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









#### **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.







#### **Shaft optimisation**

A solution designed for shaft optimisation challenges, specially for buildings without lift. Good result according to the available space and number of passengers to move.



⊕ Eco-efficiency Adaptability & Design and accessibility ✓ Control and safety

 $<sup>\</sup>ensuremath{^*}$  The information is not contractually binding and is subject to the conditions of the shaft

<sup>\*\*</sup> Consult technical data

#### **Options**

^		Next Essentia	Next Smart	Next Smart+	Next Rise	Next Flex
Ψ	Eco-efficiency					
	Low-energy drive	•	•	•	•	•
	Efficient LED lighting	•	•	•	•	•
	Automatic car lighting switch off	•	•	•	•	•
	Landing illumination control	0	0	0	0	0
	Lift stand-by mode	0	0	0	0	0

#### **Adaptability**

Flexible controller location	0	0	0	0	0
Lift well enclosure	0	0	0	0	0
Reduced headroom (with safety space)	0	0			
Reduced pit (with safety space)	0	0			0
Accessible space below the pit	0	0	0	0	0
Single-phase supply	0				0

#### ✓ Control and safety

#### Evacuation

Autodialler system	•	•	•	•	•
Automatic rescue system	0	0	0	0	0
Behaviour of lifts in the event of fire (EN 81-73)	0	0	0	0	0
Connection to auxiliary power source (generator)	0	0	0	0	0
Pit water detector	0	0	0	0	0
Safety landing call cancelling	0	0	0	0	0
Firefighters lift (EN 81-72)		0	o (>1,000kg)	0	

#### Access control

Zone cancelling, coded call	0	0	0	0	0
Compulsory stop at main floor	0	0	0	0	0
External call cancelling	0	0	0	0	0
Automatic car call deletion	0	0	0	0	0
Independent entrance selection	0	0	0	0	0
Non-emergency outage	0	0	0	0	0
Emergency outage	0	0	0	0	0
Anti-vandalism (FN 81-71)		0	0	0	

#### Communications

Pre-opening doors	0	0	0	0	0
Down collective control	0	0	0	0	0
Full collective control	0	0	0	0	0
Intercom system	0	0	0	0	0

## 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.

#### **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.



<sup>\*</sup> In order to validate these options please consult with us.

