

Orona 3G

1030

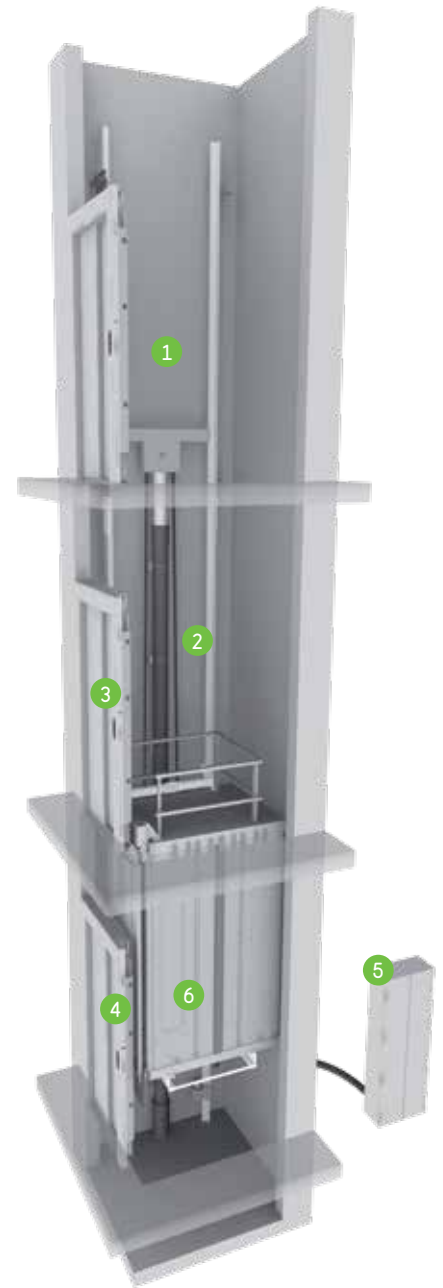
Hydraulic drive solutions

For light-traffic applications.
The versatile and adaptable hydraulic solution.

General specifications

Load	320 to 1,000 kg
Capacity	4 to 13 persons
Speed	0.6 m/s
Maximum travel	21 m
Maximum floors served	7 floors or 14 floors (only with two entrances)
Entrances	1 front / 2 open through / 2 front & side
Drive system	Hydraulic
Controller	ARCA II controller, low energy microprocessor
Door types	Semiautomatic + Articulated (BUS) / Automatic side-opening / Automatic central-opening
Clear door opening	From 600 to 1,600 mm (in 100 mm increments)
Door height	2,000 / 2,100
Car dimensions	Parametric car dimensions
Internal car height	2,100 / 2,200
Aesthetic solutions	DR1 / DR2 / DR3 / DR4 / DR5 / DR6 / DR7 / DR8 DS1 / DS2 / DS3 / DS4 / DS5 / Orona 3G Domo Plus

Standard Optional



1 HYDRAULIC LIFTS

The hydraulic systems, renowned for their long life cycle, are very versatile and offer convenient solutions to high load requirements or reduced shaft spaces.



2 PARAMETRIC/FLEXIBLE

Flexible car and door configurations ensure available shaft dimensions can be optimised (optional).



3 DOORS

Compact permanent magnet motor for fast, accurate and quiet door operation giving the most advanced performance. Advanced door opening and full height infra red door protection edges.



4 CAR ACCESSIBILITY

Optional EN 81-70 accessible car.
Optional car light control, including LED lighting options.



5 REDUCED MACHINE ROOM

As an alternative to a machine-room, the controller/machinery can be fitted into a metal cabinet and located in a convenient location within the building.



6 TWO-WAY COMMUNICATIONS

Between the lift and the emergency 24-hour Service Call Centre according to EN 81-28.



ECO-EFFICIENCY



ADAPTABILITY



DESIGN AND ACCESSIBILITY



CONTROL AND SAFETY

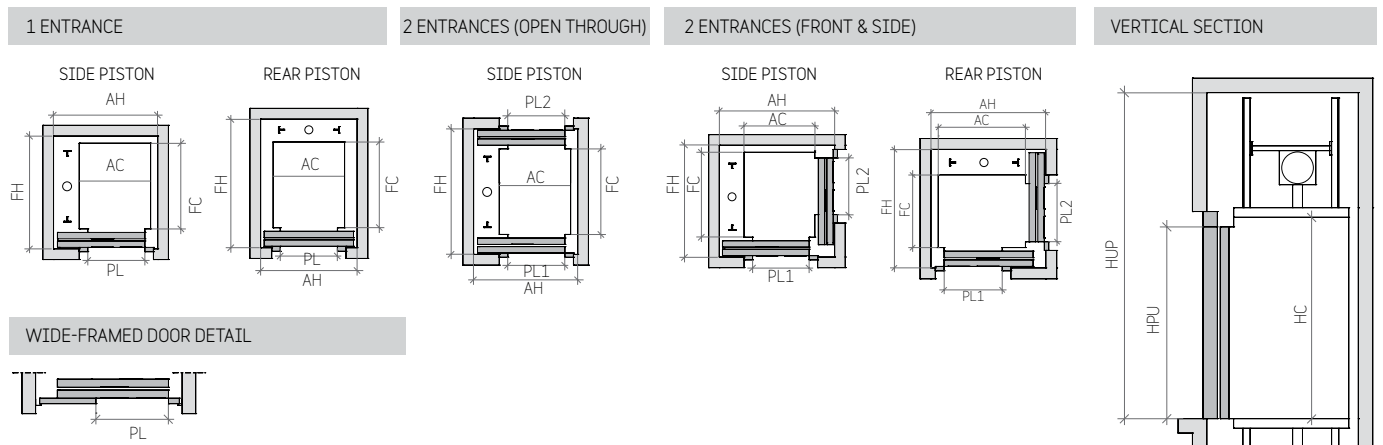
Standard dimensions

Load / Capacity		Lift shaft *										HF Pit	HUP ² Last Floor
		Side piston (TT Doors)							Rear piston (HH Doors)				
		Standard car			Lift shaft				Lift shaft				
Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances		AH Width	FH ¹ Depth	AH Width	FH ¹ Depth			
					Accessibility	No. of entrances							
4	320 kg	825	1,100	700		1	1,250	1,350	1,175	1,650			
						2 x 180 ⁰	1,250	1,500					
						2 x 90 ⁰	1,400	1,350					
6	450 kg	1,000	1,250	800		1	1,425	1,500	1,325	1,800		1,050	
						2 x 180 ⁰	1,425	1,650					
						2 x 90 ⁰	1,575	1,500					
8	630 kg	1,100	1,400	900		1	1,575	1,650					
						2 x 180 ⁰	1,575	1,800					
						2 x 90 ⁰	1,675	1,650					
10	800 kg	1,350	1,400	900		1	1,800	1,650	1,700	1,975			
						2 x 180 ⁰	1,800	1,800					
						2 x 90 ⁰	1,925	1,650					
13	1,000 kg	1,100	2,100	900		1	1,550	2,350				1,100	
						2 x 180 ⁰	1,550	2,500					
						2 x 90 ⁰	1,675	2,350					
			1			1,700	1,975						
			2 x 180 ⁰										
		1,600	1,400	1,000		1			1,850	1,975			

- 1 Shaft depth with door tracks projecting 60 mm on the landing
- 2 Minimum HUP for internal car height (HC) of 2,100 mm (HUP = HC+1,225)

TT - Two panel telescopic door
 HH - Four panel central door
 * Minimum plumb measurements

Layout



Customised car dimensions

SIDE PISTON

		Car width														
		16	15	14	13	12	11	10	9	8	7	6	5	4	Clear door opening	
16	16	16	15	14	13	12	11	10	9	8	7	6	5	4		
15	14	13	13	12	10	10	9	8	8	7	6	5	5	4	1,400	
13	13	12	11	10	10	9	8	8	7	6	5	5	4	1,300		
12	11	10	10	9	8	8	7	7	6	5	5	4	4	1,200		
10	10	9	8	8	8	7	6	6	5	5	4	4	4	1,100		
9	8	8	8	7	7	6	5	5	5	4	4	4	4	1,000		
															900	
															800	

REAR PISTON

		Car width														
		13	12	10	9	2,100										
		13	12	10	9	2,000										
			13	12	10	9	1,900									
				13	12	10	9	1,800								
					13	12	10	9	8	7	1,700					
						13	12	10	9	8	7	1,600				
13	13	12	11	10	8	8	7	6	1,500							
12	11	10	9	8	8	7	6	1,400								
11	10	9	8	8	7	6	5	1,300								
10	9		8	7	6	5	5	1,200								
9			7	6	5	5	4	1,100								
			6	5	5	4	4	1,000								
			5	5	4	4		900								
			5	4	4			800								

Note:
 Car width and depth variable in increments of 5 mm.
 For simplification, table samples show increments of 100 mm.

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