

Orona 3G

1030

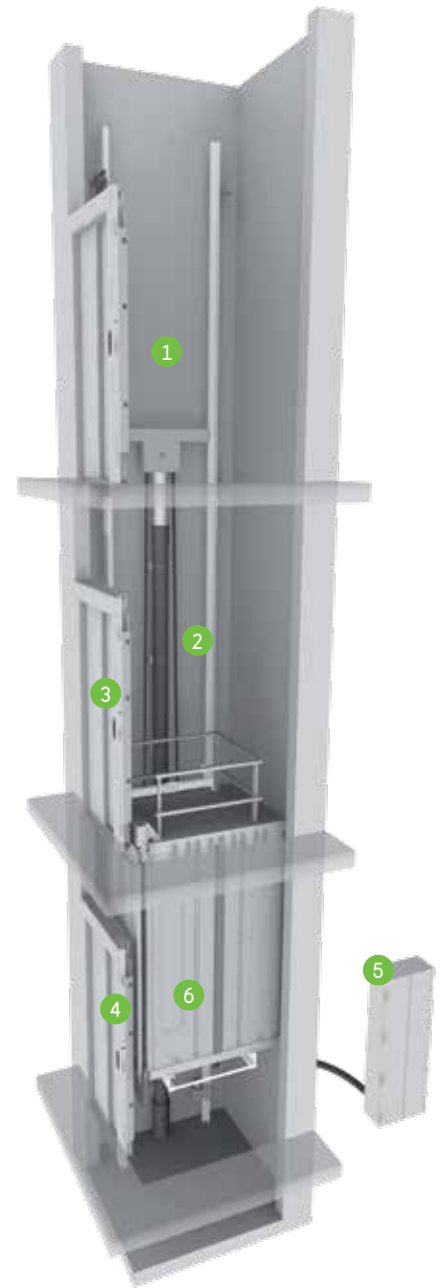
## Hydraulic drive solutions

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

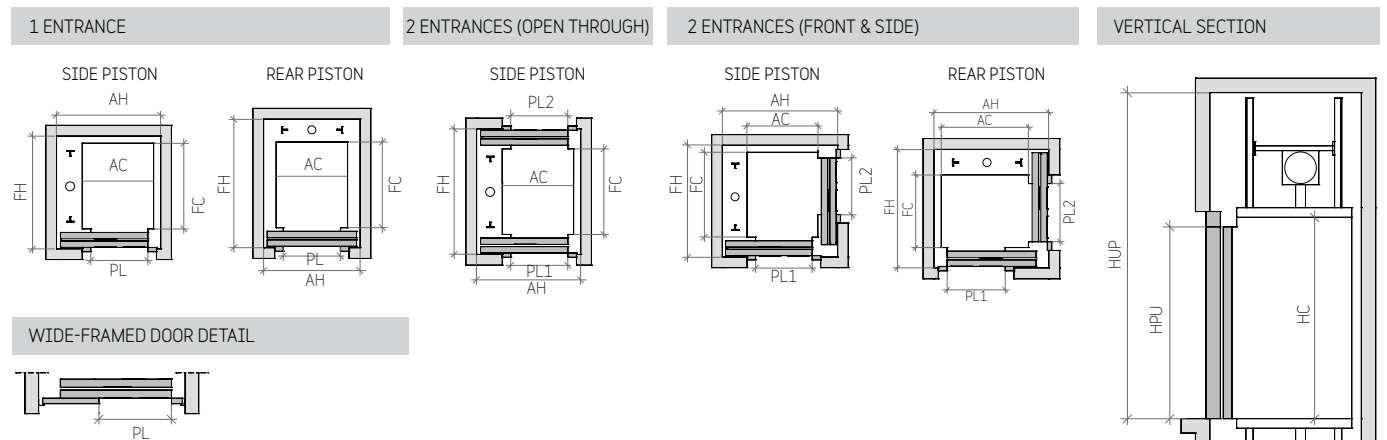
# Standard dimensions

Load / Capacity		Lift shaft *										HF Pit	HUP <sup>2</sup> 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 <sup>1</sup> Depth	AH Width	FH <sup>1</sup> Depth	HF Pit	HUP <sup>2</sup> Last Floor	
					Accessibility	No. of entrances							
4	320 kg	825	1,100	700		1	1,250	1,350	1,175	1,650	1,050	3,400	
						2 x 180 <sup>0</sup>	1,250	1,500					
						2 x 90 <sup>0</sup>	1,400	1,350	1,175	1,650			
6	450 kg	1,000	1,250	800		1	1,425	1,500	1,325	1,800			
						2 x 180 <sup>0</sup>	1,425	1,650					
						2 x 90 <sup>0</sup>	1,575	1,500	1,325	1,800			
8	630 kg	1,100	1,400	900		1	1,575	1,650					
						2 x 180 <sup>0</sup>	1,575	1,800					
						2 x 90 <sup>0</sup>	1,675	1,650					
10	800 kg	1,350	1,400	900		1	1,800	1,650	1,700	1,975			
						2 x 180 <sup>0</sup>	1,800	1,800					
						2 x 90 <sup>0</sup>	1,925	1,650	1,700	1,975			
13	1,000 kg	1,100	2,100	900		1	1,550	2,350					
						2 x 180 <sup>0</sup>	1,550	2,500					
						2 x 90 <sup>0</sup>	1,675	2,350					
		1,600	1,400	1,000		1			1,700	1,975			
						2 x 180 <sup>0</sup>							
								1,850	1,975				

- Shaft depth with door tracks projecting 60 mm on the landing
- 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										Clear door opening															
		16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	600	700	800	900	1000	1100	1200	1300	1400
16	16	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0									
15	14	13	13	12	10	10	9	8	8	7	6	5	5	4	4	3	2	1									
13	13	12	11	10	10	9	8	8	7	6	5	5	4	4	3	2	1	0									
12	11	10	10	9	8	8	7	7	6	5	5	4	4	3	2	1	0										
10	10	9	8	8	8	7	6	6	5	5	4	4	3	2	1	0											
9	8	8	8	7	7	6	5	5	5	4	4	3	2	1	0												

**REAR PISTON**

		Car width										Clear door opening																		
		13	12	10	9	2,100	2,000	1,900	1,800	1,700	1,600	1,500	1,400	1,300	1,200	1,100	1,000	900	800	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
13	13	13	12	10	9	2,100	2,000	1,900	1,800	1,700	1,600	1,500	1,400	1,300	1,200	1,100	1,000	900	800											
12	11	10	10	9	8	1,900	1,800	1,700	1,600	1,500	1,400	1,300	1,200	1,100	1,000	900	800													
11	10	9	8	8	7	1,800	1,700	1,600	1,500	1,400	1,300	1,200	1,100	1,000	900	800														
10	9	8	8	7	6	1,700	1,600	1,500	1,400	1,300	1,200	1,100	1,000	900	800															
9	8	7	6	5	5	1,600	1,500	1,400	1,300	1,200	1,100	1,000	900	800																
		6	5	5	4	1,500	1,400	1,300	1,200	1,100	1,000	900	800																	
		5	5	4	4	1,400	1,300	1,200	1,100	1,000	900	800																		
		5	4	4	4	1,300	1,200	1,100	1,000	900	800																			

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

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

