

Orona 3G 2026

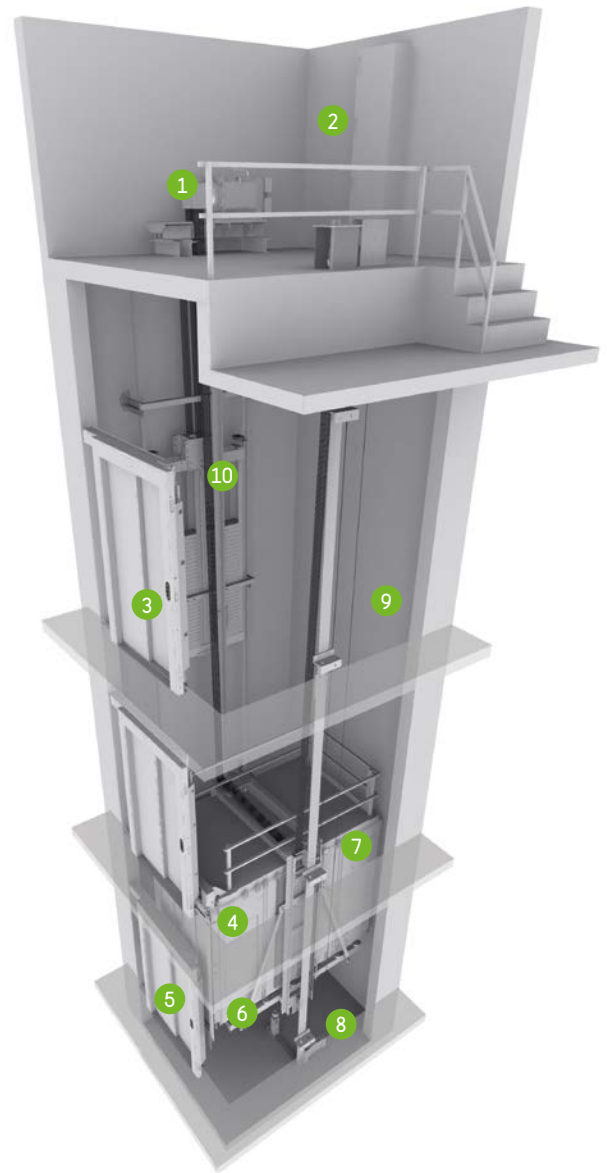
Machine-room above electrical gearless solutions

With the latest direct drive technology in public buildings. Less noise and more accessible maintenance. The robust solution with machine room and the latest technology for heavy traffic.

General specifications

Load	630 to 1,600 kg
Capacity	8 to 21 persons
Speed	1 - 1.6 m/s
Maximum travel	50 - 75 m
Maximum floors served	32 floors
Entrances	1 front / 2 open through
Drive system	Direct gearless
Controller	ARCA II controller, low energy consumption multiprocessor
Door types	Automatic side-opening / Automatic central-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 car dimensions
Internal car height	2,100 / 2,200 / 2,300 / 2,400 mm
Aesthetic solutions	PR1 / PR2 / PR3 / PR4 / PR5 PS1 / PS2 / PS3 / PS4 / PS5 / PS6 / PS7 / PS8 / PS9 / Orona 3G Public Plus

Standard Optional



1 DRIVE

Compact, quiet, gearless, energy efficient, speed regulated (VVVF) permanent magnet electric motor.



2 MACHINE-ROOM

A traditional solution simplifying lift maintenance.



3 SOLID DOORS

Extra robust doors with reduced sound levels inside and outside the lift and which are specially constructed for high volume passenger traffic.



4 TWO-WAY COMMUNICATIONS

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



5 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.



6 CARS

Reinforced wall panels and flooring provides durability for heavy duty usage. Flexible configurations offering optimum car and door dimensions.



7 ROBUST LIFT CAR

Provides greater comfort during lift travel, with reduced vibration and noise.



8 ACCESSIBLE SPACE BELOW THE PIT

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



9 PARAMETRIC/FLEXIBLE

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



10 TRACTION ROPES

Orona small diameter ropes replace traditional steel ropes. As a result of their lighter weight, longer lifespan and greater flexibility, it is possible to use a more compact, efficient and eco-friendly gearless machine.



ECO-EFFICIENCY



ADAPTABILITY



DESIGN AND ACCESSIBILITY



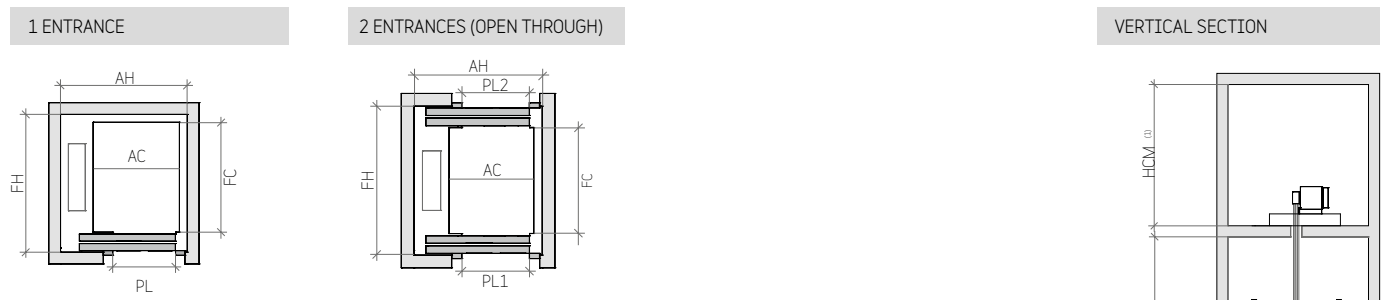
CONTROL AND SAFETY

Standard dimensions

Load/Capacity			Car			Lift shaft*								
Speed	Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances		Side-opening doors		Central-opening doors		HF Pit	HUP ⁴ Headroom	
						Accessibility	No. of entrances	AH ¹ Width	FH ² Depth	AH Width	FH ³ Depth			
1 m/s	8	630 kg	1,100	1,400	900	♿	1	1,700	1,675	1,950	1,625	1,050	3,400	
	10	800 kg	1,350	1,400	900		2 x 180°		1,850		1,750			
							13	1,000 kg	1,600	1,400	1,000			1
	2 x 180°	1,850	1,750											
	♿	17	1,275 kg	2,000	1,400	1,100	1	1,775	2,375	2,750	1,650			
							2 x 180°		2,550		1,750			
		♿	21	1,600 kg	2,100	1,600	1,100	1	1,935	2,600	2,850			1,850
								2 x 180°		2,750				1,950
1.6 m/s	8	630 kg	1,100	1,400	900	♿	1	1,725	1,675	1,950	1,625	1,200	3,550	
	10	800 kg	1,350	1,400	900		2 x 180°		1,850		1,750			
							13	1,000 kg	1,600	1,400	1,000			1
	2 x 180°	1,850	1,750											
	♿	17	1,275 kg	2,000	1,400	1,100	1	1,775	2,375	2,750	1,650			
							2 x 180°		2,550		1,750			
		♿	21	1,600 kg	2,100	1,600	1,100	1	1,935	2,600	2,850			1,850
								2 x 180°		2,750				1,950
♿	21	1,600 kg	1,400	2,400	1,200	1	2,085	2,700	2,850	2,700				
						2 x 180°		2,850						
						1		2,700						
						2 x 180°		2,850						

- 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.
- * Minimum plumb measurements

Layout



Customised car dimensions

Car width																								
										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	1,700								
										21	21	19	18	16	15	1,600								
										21	21	19	18	17	15	1,500								
21	21	20	19	18	17	16	15	14	13	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									
															1,100									
															1,000									
															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			800	900	1,000	1,100	1,200	1,300	1,400	1,500	1,600

Car depth Clear door opening

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

(1) HCM - minimum 2,000 mm