

Orona 3G 2025

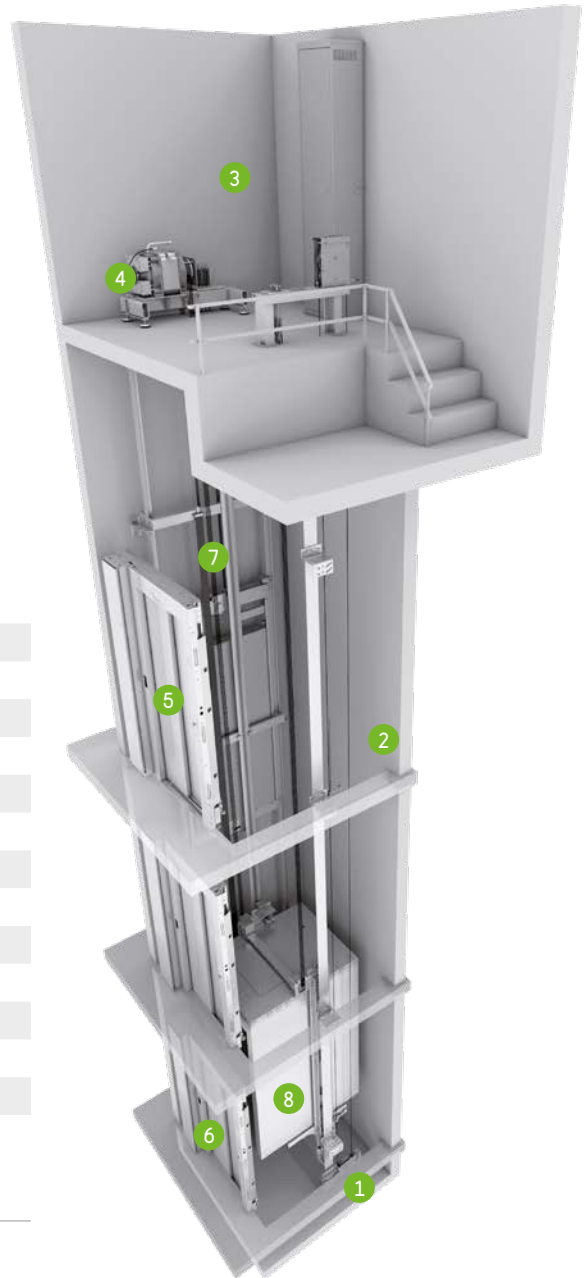
Machine-room above electrical gearless solutions

With the latest direct drive technology in public buildings.
Less noise and more accessible maintenance.
The customised solution with a machine room and the latest technology.

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
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 1,500 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 ACCESSIBLE SPACE BELLOW THE PIT

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



2 PARAMETRIC/FLEXIBLE

Flexible car and door configurations ensure available shaft dimensions to meet the requirements of the lift well (optional).



3 MACHINE-ROOM

A traditional solution simplifying lift maintenance.



4 DRIVE

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



5 SOLID DOORS

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



6 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.



7 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.



8 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		Car				Lift shaft*							
Speed	Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances		Side-opening doors		Central-opening doors		HF Pit	HUP Headroom
						Accessibility	No. of entrances	AH ¹ Width	FH ² Depth	AH Width	FH ³ Depth		
1 m/s	4	320 kg	825	1,100	700		1	1,300	1,350			1,000 (830) ⁴	3,400 (3,050) ⁵
							2 x 180 ⁰		1,500				
	6	450 kg	1,000	1,250	800	♿	1	1,450	1,500	1,725	1,450		
							2 x 180 ⁰		1,650		1,550		
	8	630 kg	1,100	1,400	900		1	1,600	1,675	1,925	1,625		
							2 x 180 ⁰		1,850		1,750		
	10	800 kg	1,350	1,400	900	♿	1	1,825	1,675	1,925	1,625		
							2 x 180 ⁰		1,850		1,750		
13	1,000 kg	1,600	1,400	1,000		1	2,075	1,675	2,150	1,625			
						2 x 180 ⁰		1,850		1,750			
		1,100	2,100	1,000		1	1,775	2,375	2,125	2,300			
						2 x 180 ⁰		2,550		2,400			
1.6 m/s	4	320 kg	825	1,100	700		1	1,325	1,350			1,120	3,550
							2 x 180 ⁰		1,500				
	6	450 kg	1,000	1,250	800	♿	1	1,475	1,500	1,725	1,450		
							2 x 180 ⁰		1,650		1,550		
	8	630 kg	1,100	1,400	900		1	1,625	1,675	1,925	1,625		
							2 x 180 ⁰		1,850		1,750		
	10	800 kg	1,350	1,400	900	♿	1	1,850	1,675	1,925	1,625		
							2 x 180 ⁰		1,850		1,750		
13	1,000 kg	1,600	1,400	1,000		1	2,100	1,675	2,175	1,625			
						2 x 180 ⁰		1,850		1,750			
		1,100	2,100	1,000		1	1,775	2,375	2,125	2,300			
						2 x 180 ⁰		2,550		2,400			

- 1 Accessible space below the pit (counterweight with safety gear) add 115 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 HF reduced pit optional 830 mm
 - 5 Minimum HUP for interior car height (HC) of 2,100 mm
HUP optional reduced. Consult availability of car dimensions.
- * Minimum plumb measurements

Layout

