

Orona 3G

X-16

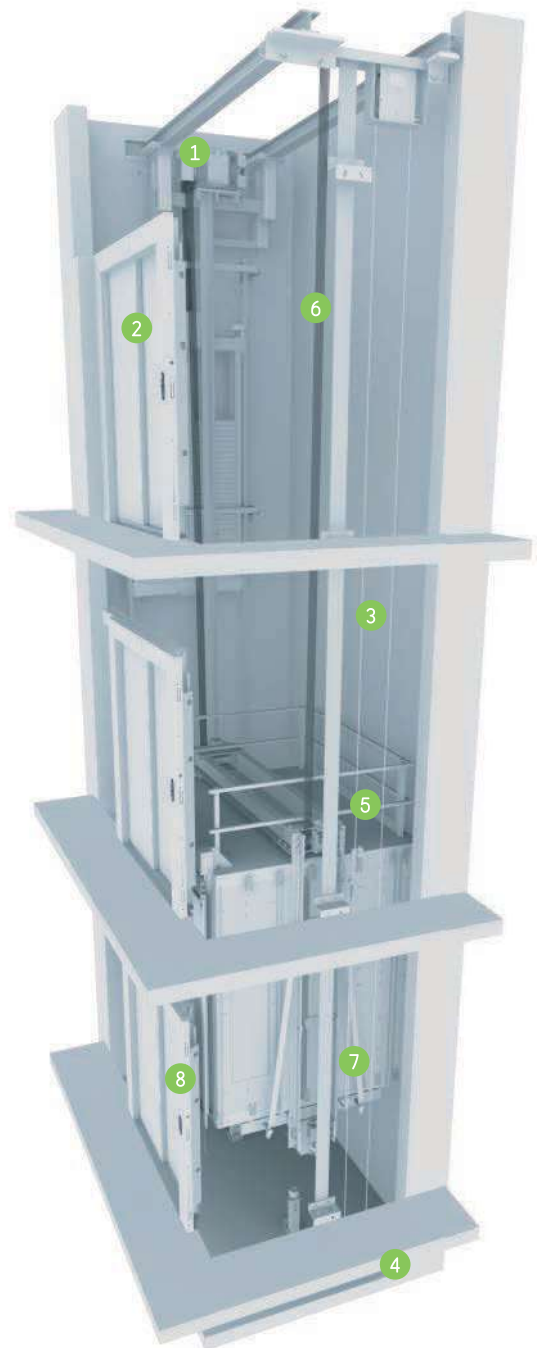
Solution designed for the most demanding specifications in public buildings with heavy traffic

Machine-room-less electrical gearless solution (MRLG).

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	Regulated gearless (240 connections / hour)
Controller	ARCA III 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	Orona 3G Public Packs / Orona 3G Public Plus

Standard Optional



1 DRIVE

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



2 SOLID DOORS

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



3 PARAMETRIC/FLEXIBLE

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



4 ACCESSIBLE SPACE BELOW THE PIT

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



5 ROBUST LIFT CAR

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



6 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.



7 CARS

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



8 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.



ECO-EFFICIENCY



ADAPTABILITY









DESIGN AND ACCESSIBILITY



CONTROL AND SAFETY

Customised solution, examples of dimensions*

Load / capacity				Car			Lift shaft ¹⁾							
									TT side-opening doors		CC central-opening doors			
Speed			Q Load	AC Width	FC Depth	PL Clear opening	No. of entrances	AH ¹ Width	FH ² Depth	AH Width	FH ³ Depth	HF Pit	HUP ⁴ Headroom	
1 m/s		8	630 kg	1,100	1,400	900	1	1,700	1,675	1,950	1,625	1,050	3,550	
							2x180 ⁰		1,850		1,750			
		10	800 kg	1,350	1,400	900	1	1,975	1,675	1,975	1,625			
							2x180 ⁰		1,850		1,750			
		13	1,000 kg	1,600	1,400	1,000	1	2,225	1,675	2,225	1,625			
							2x180 ⁰		1,850		1,750			
		17	1,275 kg	1,200	2,300	1,100	1	1,775	2,375					
							2x180 ⁰		2,550					
							1	1,935	2,600					
							2x180 ⁰		2,750					
		21	1,600 kg	1,700	1,950	1,000	1		2,700	2,450	2,200	1,150	3,600	
							2x180 ⁰				2,300			
								1	2,085	2,700				
								2x180 ⁰		2,850				
1.6 m/s		8	630 kg	1,100	1,400	900	1	1,725	1,675	1,950	1,625	1,200	3,700	
							2x180 ⁰		1,850		1,750			
		10	800 kg	1,350	1,400	900	1	1,975	1,675	1,975	1,625			
							2x180 ⁰		1,850		1,750			
		13	1,000 kg	1,600	1,400	1,000	1	2,225	1,675	2,225	1,625			
							2x180 ⁰		1,850		1,750			
		17	1,275 kg	1,200	2,300	1,100	1	1,775	2,375					
							2x180 ⁰		2,550					
							1	1,935	2,600					
							2x180 ⁰		2,750					
		21	1,600 kg	1,700	1,950	1,000	1		2,700	2,450	2,200	1,250	3,750	
							2x180 ⁰				2,300			
								1	2,085	2,700				
								2x180 ⁰		2,850				

0 Minimum plumb measurements

1 Accessible space below the pit (counterweight with safety gear) add 50 mm to AH

2 R=60 mm, shaft depth with TT 2 panel telescopic door tracks projecting 60 mm on the landing

3 R=40 mm, shaft depth with CC 2 panel central door tracks projecting 40 mm on the landing

4 HUP minimum for internal car height (HC) 2,100 mm.

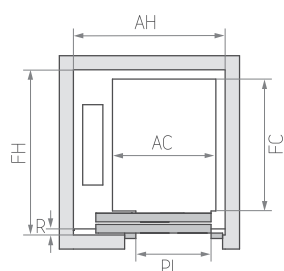
* The information is not contractually binding and is subject to the conditions of the shaft

TT - 2 panel telescopic door

CC - 2 panel central door

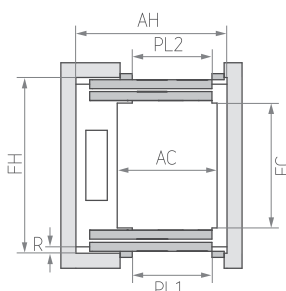
Layout*

1 ENTRANCE

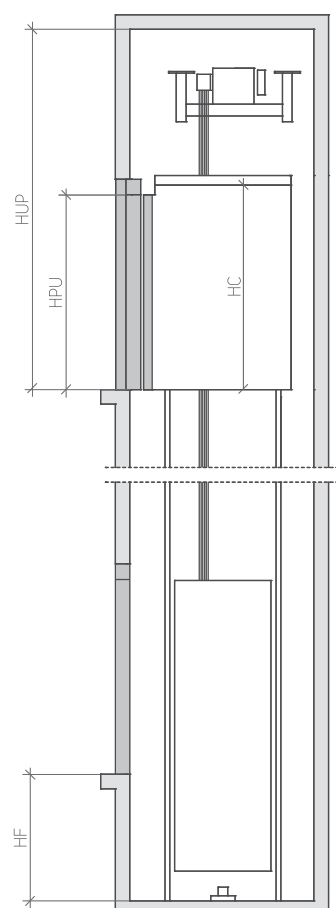


* Note: The diagrams are for guidance only.

2 ENTRANCES (OPEN THROUGH)



VERTICAL SECTION



Customised car dimensions

[illegible]

Note: Dimensions considering 1 entrance. Car width and depth variable in increments of 5 mm.

For simplification, table samples show increments of 100 mm.