Orona 3G

X-14

Solution that provides up to 50% increase in the car size in existing buildings.

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

General specifications

Load	180 to 630 kg / 180 to 450 kg (single-phase)
Capacity	2 to 8 persons / 2 to 6 persons (single-phase)
Speed	1 m/s / 0.6 m/s (single-phase)
Maximum travel	40 m / 25 m (single-phase)
Maximum floors served	16 floors
Entrances	1 front / 2 open through / 2 front & side
Drive system	Regulated gearless (180 connections / hour)
Controller	ARCA III controller, low energy consumption multiprocessor
Door types	Automatic side-opening / Automatic central-opening / Semiautomatic + Articulated (BUS)
Clear door opening	From 500 to 900 mm
Door height	2,000 / 2,100 / 2,200 mm
Car dimensions	Parametric car dimensions
Internal car height	2,100 / 2,200 / 2,300 mm
Supply	Three-phase / Single-phase
Aesthetic solutions	Orona 3G Domo Packs / Orona 3G Public Packs / Orona 3G Plus



Standard Optional

Compact machine-room-less solution.



Saves space, reduces weight, improves safety, and improves the installation process.



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



4 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.





5 DRIVE

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

6 DOORS

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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.

Optional Solid Door for high flow situations.

7 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.

8 SHAFT USABILITY

Lifts designed especially to use all the shaft space available especially in existing buildings, obtaining a good relation between the space available and the number of passengers to be transported.



















Customised solution, examples of dimensions*

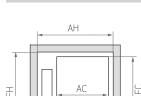
								Lift s	shaft ⁰					
Load / capacity			Car				Side coun	terweight	Rear counterweight		HF			HUP Headroom
							TT side-opening doors		CC			Pit Reduced		
							11 Side-op	ening ooors	CC central-opening doors		Std.	Reduced		
	Q	Q AC FC		PL ⁵	Entrances		AH ¹	FH ²	AH ³	FH ²		With	Without safety	0.11
Persons	•	Depth	Clear opening	Accessibility	No. of entrances	Width	Depth	Width	Depth		space	space ⁵ (EN 81-21)		
				700		1	1 150	1,300	1,150	1,525	1,000	890		
4	320 kg	825	1,100			2x180 ⁰	1,150	1,450						
						2x90 ⁰	1,250	1,300	1,200	1,525				
		1,000	1,250	800	Ė	1	1,325	1,450	1,300	1,675				
6	450 kg					2x180 ⁰		1,600						
						2x90 ⁰	1,425	1,450	1,400	1,675			400	2.400
8 630 kg				900	İŁ	1	1,425	1,600	1,450	1,825			400	3,400
		1,100	1,400			2x180 ⁰		1,750						
	(201)-					2x90 ⁰	1,525	1,600	1,500	1,825				
	03U KG		1,250	900	Ė	1	1.525	1,450	1,450	1,675				
		1,200				2x180 ⁰	1,525	1,600						
						2x90 ⁰	1,625	1,450	1,500	1,675				

- 0 Minimum plumb measurements
- $1\,$ Accessible space below the pit (counterweight with safety gear) or reduced pit without safety space add 40 mm to AH AH calculated for NN 3 panel telescopic door
- 2 Shaft depth with door tracks projecting as a whole on the landing
- 3 Width calculated for HH 4 panel central door
- 4 HUP minimum for internal car height (HC) 2,100 mm

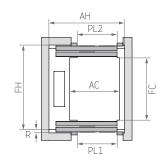
- $5\,$ Door restrictions may exist for pits without safety space EN 81-21
- * The information is not contractually binding and is subject to the conditions of the shaft
- TT 2 panel telescopic door
- NN 3 panel telescopic door
- CC 2 panel central door
- HH 4 panel central door

Layout*

1 ENTRANCE

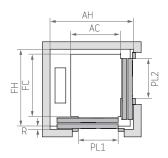


2 ENTRANCES (OPEN THROUGH)



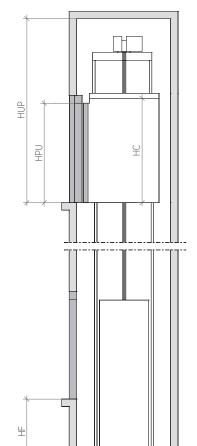
^{*} Note: The diagrams are for guidance only.

2 ENTRANCES (FRONT & SIDE)



Cacwidth

VERTICAL SECTION



Customised car dimensions

														L	ai wio	LII				
						8	8	8	7	7	6				1,400					
					8	8	8	7	7	6	6	5			1,350					
				8	8	8	7	7	6	6	6	5			1,300					
			8	8	8	7	7	7	6	6	5	5			1,250					
		8	8	8	7	7	7	6	6	5	5	5			1,200					
	8	8	8	7	7	7	6	6	5	5	5	5	4		1,150					
8	8	8	7	7	7	6	6	5	5	5	5	4	4		1,100					
8	8	7	7	7	6	6	5	5	5	5	4	4	4	3	1,050					
8	7	7	6	6	6	5	5	5	5	4	4	4	4	3	1,000					
7	7	6	6	6	5	5	5	5	4	4	4	4	3	3	950					
6	6	6	6	5	5	5	5	4	4	4	4	3	3	3	900					
6	6	5	5	5	5	5	4	4	4	4	3	3	3	3	850					
5	5	5	5	5	5	4	4	4	4	3	3	3	3	3	800					
5	5	5	5	4	4	4	4	3	3	3	3	3	3	2	750					
5	5	4	4	4	4	4	3	3	3	3	3	2	2	2	700					
4	4	4	4	4	3	3	3	3	3	3	2	2	2	2	650					
4	4	4	3	3	3	3	3	3	3	2	2	2	2	2	630					
1,450	1,400	1,350	1,300	1,250	1,200	1,150	1,100	1,050	1,000	950	900	850	800	750		500	600	700	800	900
Car d	epth																С	lear d	00r 00	pening

Note: Dimensions considering 1 entrance. Car width and depth variable in increments of 5 mm. For simplification, table samples show increments of 50 mm.