Orona 3G X-16

Machine-room-less electrical gearless solutions (MRLG)

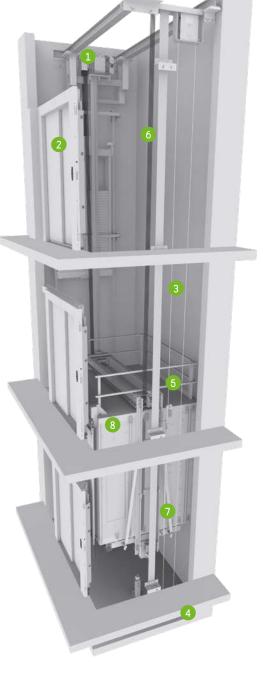
High efficiency for public buildings.

Maximum reliability.

The solution with maximum robustness and comfort for the most demanding environments and specifications.

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 microprocessor						
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						
Car dimensions	Parametric car dimensions						
Internal car height	2,100 / 2,200 / 2,300 / 2,400						
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.



5 ROBUST LIFT CAR

Provides greater comfort during lift

travel, with reduced vibration and noise.

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.



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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 ecofriendly gearless machine.

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

3 PARAMETRIC/FLEXIBLE

(Th) (#3)

7 CARS

ECO-EFFICIENCY

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

4 ACCESIBLE SPACE **BELLOW THE PIT**

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



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.





Standard dimensions

Load / capacity			Car			Lift shaft*							
							Side-opening doors		Central-opening doors				
Speed	Accessibility	Persons	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 Last Floor
1 m/s	ie	8	630 kg	1,100	1,400	900	1 2 x 180 ⁰	1,700	1,675 1,850	1,950	1,625 1,750	1,050	3,550
		10	800 kg	1,350	1,400	900	1 2 x 180 ⁰	1,975	1,675 1,850	1,975	1,625 1,750		
		13	1,000 kg	1,600	1,400	1,000	1 2 x 180 ⁰	2,225	1,675 1,850	2,225	1,625 1,750		
				1,100	2,100	1,000	1 2 x 180 ⁰	1,775	2,375 2,550				
	iili	17	1,275 kg	1,200	2,300	1,100	1 2 x 180 ⁰	1,935	2,600 2,750			1150	3600
		21	1,600 kg	1,700	1,950	1,000	1 2 x 180 ⁰			2,450	2,200 2,300		
				1,400	2,400	1,200	1 2 x 180 ⁰	2,085	2,700 2,850				
1.6 m/s	ĨĿ	8	630 kg	1,100	1,400	900	1 2 x 180 ⁰	1,725	1,675 1,850	1,950	1,625 1,750		3,700
		10	800 kg	1,350	1,400	900	1 2 x 180 ⁰	1,975	1,675 1,850	1,975	1,625 1,750	1,200	
		13	1,000 kg	1,600	1,400	1,000	1 2 x 180 ⁰	2,225	1,675 1,850	2,225	1,625 1,750	1,200	
				1,100	2,100	1,000	1 2 x 180 ⁰	1,775	2,375 2,550				
	İİLİ	17	1,275 kg	1,200	2,300	1,100	1 2 x 180 ⁰	1,935	2,600 2,750			1,250	3,750
		21	1,600 kg	1,700	1,950	1,000	1 2 x 180 ⁰			2,450	2,200 2,300		
				1,400	2,400	1,200	1 2 x 180 ⁰	2,085	2,700 2,850				

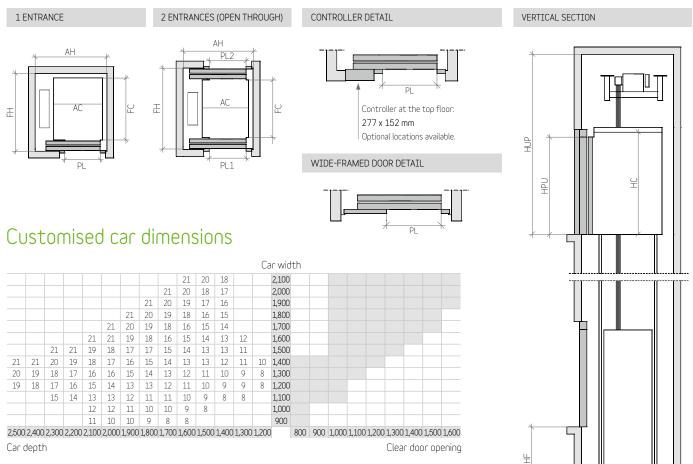
1~ Accessible space below the pit (counterweight with safety gear) add 50 mm to AH ~

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

* Minimum plumb measurements

Shaft depth with door tracks projecting 60 mm on the landing
Shaft depth with door tracks projecting 40 mm on the landing

Layout



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

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