Orona

Orona 3G

Technical solutions

EN


2
3
0
1
-2
-1

Orona 3G

X-10

Competitive solution for residential and low-rise public buildings

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

General specifications

Load	320 - 450 - 630 kg / 320 - 450 kg (single-phase)
Capacity	4 - 6 - 8 persons / 4 - 6 persons
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
Clear door opening	700 / 800 / 900 mm
Door height	2,000 / 2,100 mm
Car dimensions	Standard car dimensions
Internal car height	2,100 / 2,200 mm
Supply	Three-phase / Single-phase
Aesthetic solutions	Orona 3G Domo Packs / Orona 3G Public Packs / Orona 3G Plus

Standard Optional

1 MRL

Compact machine-room-less solution, with optional reduced headroom version.

2 OPTIMISED PASSENGER UNIT

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

3 ACCESIBLE SPACE BELOW THE PIT

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

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

6 DOORS

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.

ECO-EFFICIENCY ADAPTABILITY DESIGN AND ACCESSIBILITY CONTROL AND SAFETY

19/05

Standard dimensions*

Load / capacity		Car			Lift shaft[0]							
							TT side-opening doors		CC central-opening doors			
Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances: Accessibility	Entrances: No. of entrances	AH[1] Width	FH[2] Depth	AH Width	FH[3] Depth	HF Pit	HUP Headroom
4	320 kg	825	1,100	700		1	1,325	1,350	1,600	1,300	1,000 (850)[4]	3,400
						2x180[0]		1,500		1,400		
						2x90[0]	1,450	1,350				
6	450 kg	1,000	1,250	800	♿	1	1,500	1,500	1,800	1,450		3,400 (3,000)[5,7]
						2x180[0]		1,650		1,550		
						2x90[0]	1,625	1,500				
8	630 kg	1,100	1,400	900	♿	1	1,600	1,650	2,000	1,600		3,400[6] (3,000)[5]
						2x180[0]		1,800		1,700		
						2x90[0]	1,725	1,650				
		1,200	1,250	900	♿	1	1,700	1,500	2,000	1,450		3,400 (3,000)[5]
						2x180[0]		1,650		1,550		
						2x90[0]	1,825	1,575				

0 Minimum plumb measurements

1 Ac cessible 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 HF reduced pit optional 850 mm

5 HUP minimun for internal car height (HC) of 2,100 mm
HUP reduced headroom optional only for 6 and 8 persons

6 For cases without safety room EN 81-21, minimum HUP of 2500 mm internal car height (HC) of 2000 mm.
Check minimum height of headroom in case of central opening doors.
Not compatible with accessible space below the pit (counterweight with safety gear)

7 Not available 2x90[0] with big vision doors

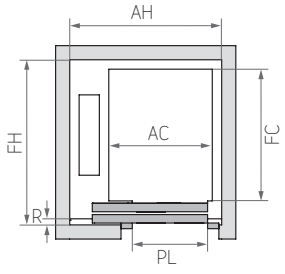
* The information is not contractually binding and is subject to the conditions of the shaft

TT - 2 panel telescopic door

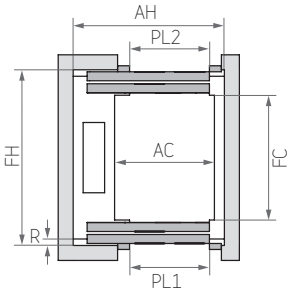
CC - 2 panel central door

Layout*

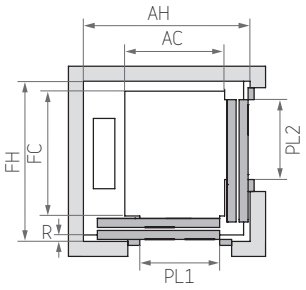
1 ENTRANCE



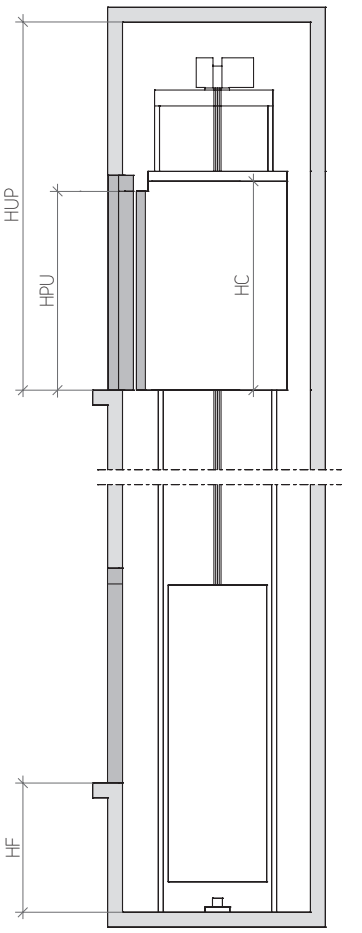
2 ENTRANCES (OPEN THROUGH)



2 ENTRANCES (FRONT & SIDE)



VERTICAL SECTION



* Note: The diagrams are for guidance only.