Orona 3G 2010

Competitive solution for public buildings and moderate use

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 (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
Machine-room option	Yes (Orona 3G 1020)
Entrances	1 front / 2 open through / 2 front & side
Drive system	Regulated gearless (180 starts per hour)
Controller	ARCA III controller, low energy consumption multiprocessor
Door types	Automatic side-opening / Automatic centre-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 Public Packs Reference / Orona 3G Public Packs Selection / Orona 3G Public 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 TWO-WAY COMMUNICATIONS

Between the lift and the emergency 24-hour Service Call Centre according to EN 81-28.

5 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.

6 DRIVE

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

7 DOORS

Compact permanent magnet motor for fast, accurate and quiet door operation giving the most advanced performance. Advanced door opening and full height infrared door protection edges. Optional Solid Door for higher flow situations.

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

19/05

Standard dimensions*

Load / capacity		Car			Lift shaft[0]							
							Side-opening TT doors		Central-opening CC 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 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 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

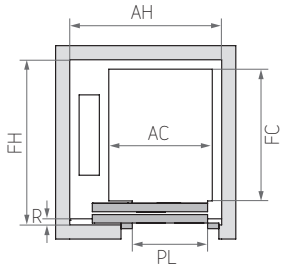
* The information is not contractually binding and is subject to the conditions of the shaft

TT - 2 panel telescopic door

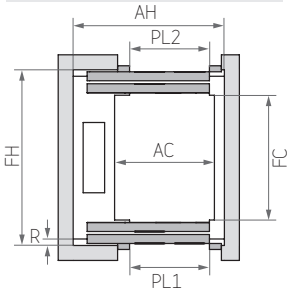
CC - 2 panel central door

Layout*

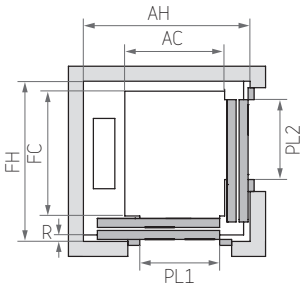
1 ENTRANCE



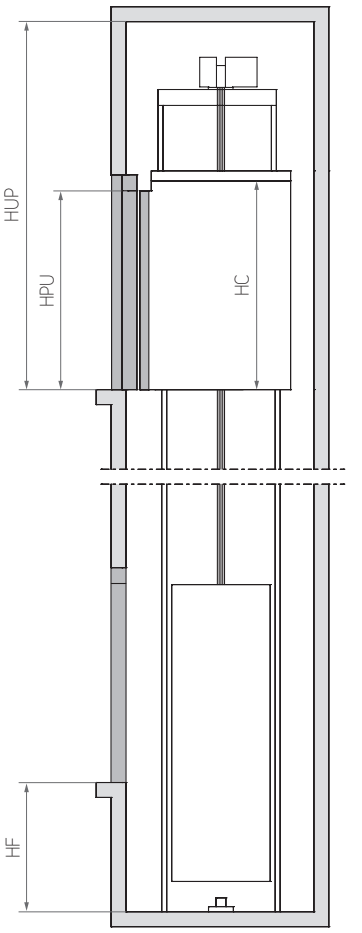
2 ENTRANCES (OPEN THROUGH)



2 ENTRANCES (FRONT & SIDE)



VERTICAL SECTION



* Note: The diagrams are for guidance only.