

Orona 3G

X-25

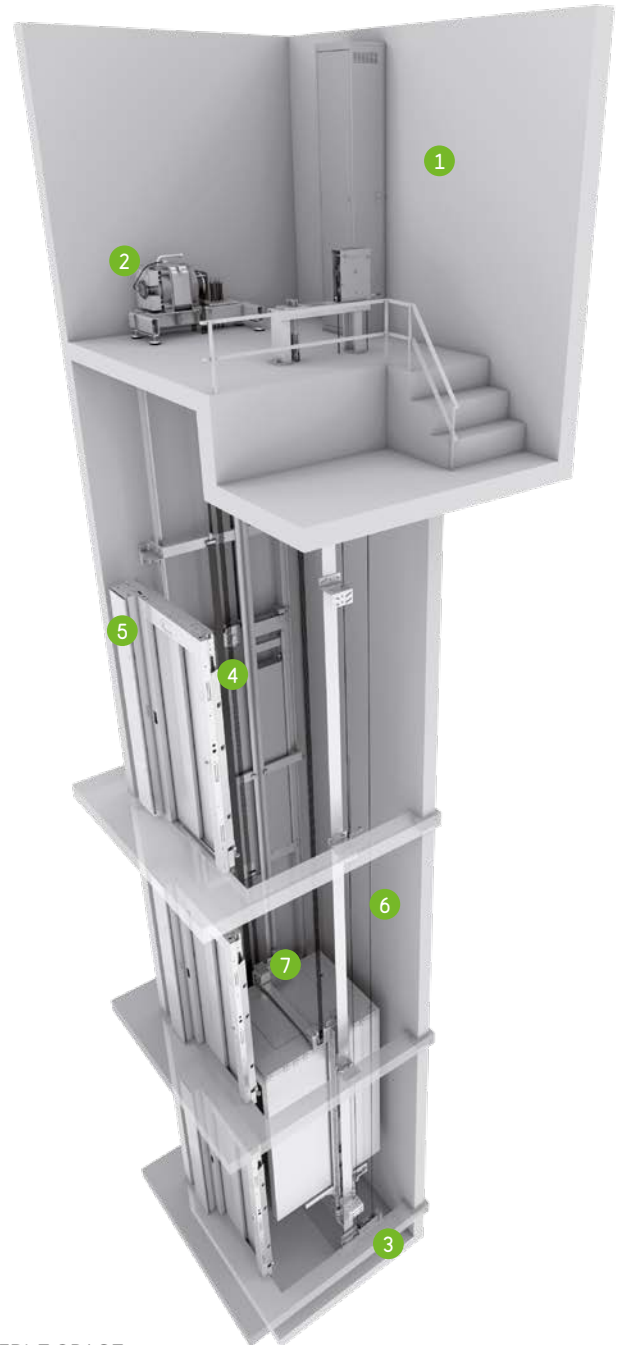
Machine-room above electrical gearless solutions

High efficiency for residential and public buildings.
Optimum use of space and latest direct drive (gearless) technology.
The customised solution.
Maximum flexibility and performance.

General specifications

Load	320 to 1,000 kg
Capacity	4 to 13 persons
Speed	1 - 1.6 m/s
Maximum travel	50 - 60 m
Maximum floors served	16 - 21 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 600 to 1,500 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 Domo Packs / Orona 3G Public Packs / Orona 3G Plus

Standard Optional



1 MACHINE-ROOM

A traditional solution simplifying lift maintenance.



2 DRIVE

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



3 ACCESSIBLE 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 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.



6 PARAMETRIC/FLEXIBLE

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



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.



Standard dimensions

Load / capacity			Car			Lift shaft *							
Speed	Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances		Side-opening doors		Central-opening doors		HF Pit	HUP Last Floor
						Accessibility	No. of entrances	AH ¹ Width	FH ² Depth	AH Width	FH ³ Depth		
1 m/s	4	320 kg	825	1,100	700		1	1,300	1,350				
							2 x 180 ⁰		1,500				
	6	450 kg	1,000	1,250	800	♿	1	1,450	1,500	1,725	1,450		
							2 x 180 ⁰		1,650		1,550		
	8	630 kg	1,100	1,400	900		1	1,600	1,675	1,925	1,625		
							2 x 180 ⁰		1,850		1,750		
	10	800 kg	1,350	1,400	900	♿	1	1,825	1,675	1,925	1,625		
							2 x 180 ⁰		1,850		1,750		
	13	1,000 kg	1,600	1,400	1,000		1	2,075	1,675	2,150	1,625		
							2 x 180 ⁰		1,850		1,750		
1,100			2,100	1,000		1	1,775	2,375	2,125	2,300			
						2 x 180 ⁰		2,550		2,400			
1.6 m/s	4	320 kg	825	1,100	700		1	1,325	1,350				
							2 x 180 ⁰		1,500				
	6	450 kg	1,000	1,250	800	♿	1	1,475	1,500	17,25	1,450		
							2 x 180 ⁰		1,650		1,550		
	8	630 kg	1,100	1,400	900		1	1,625	1,675	1,925	1,625		
							2 x 180 ⁰		1,850		1,750		
	10	800 kg	1,350	1,400	900	♿	1	1,850	1,675	1,925	1,625		
							2 x 180 ⁰		1,850		1,750		
	13	1,000 kg	1,600	1,400	1,000		1	2,100	1,675	2,175	1,625		
							2 x 180 ⁰		1,850		1,750		
1,100			2,100	1,000		1	1,775	2,375	2,125	2,300			
						2 x 180 ⁰		2,550		2,400			

- 1 Accessible space below the pit (counterweight with safety gear) add 115 mm to AH
 - 2 Shaft depth with door tracks projecting 60 mm on the landing
 - 3 Shaft depth with door tracks projecting 40 mm on the landing
 - 4 HF reduced pit optional 830 mm
 - 5 HUP minimum for internal car height (HC) 2,100 mm (HUP=HC+1,300)
HUP reduced headroom optional (HUP=HC+900). Consult availability of car dimensions
- * Minimum plumb measurements

Layout

1 ENTRANCE

2 ENTRANCES (OPEN THROUGH)

WIDE-FRAMED DOOR DETAIL

VERTICAL SECTION

Customised car dimensions

										Car width																								
										13	12									1,600														
										13	13	11								1,500														
										13	13	12	11	10						1,400														
										13	12	11	10	9	8					1,300														
										13	13	12	11	10	9	9	8				1,200													
13	13	12	11	11	10	9	8	8	7	6	5										1,100													
12	12	11	10	10	9	8	7	7	6	5	5										1,000													
11	10	10	9	8	8	7	7	6	5	5	4										900													
										6	6	5	5	4	4										800									
2,100	2,000	1,900	1,800	1,700	1,600	1,500	1,400	1,300	1,200	1,100	1,000											600	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500			
Car depth												Clear door opening																						

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

(1) HCM - minimum 2,000 mm