

Orona 3G

X-18

Machine-room-less electrical gearless solutions (MRLG)

High efficiency for public buildings.

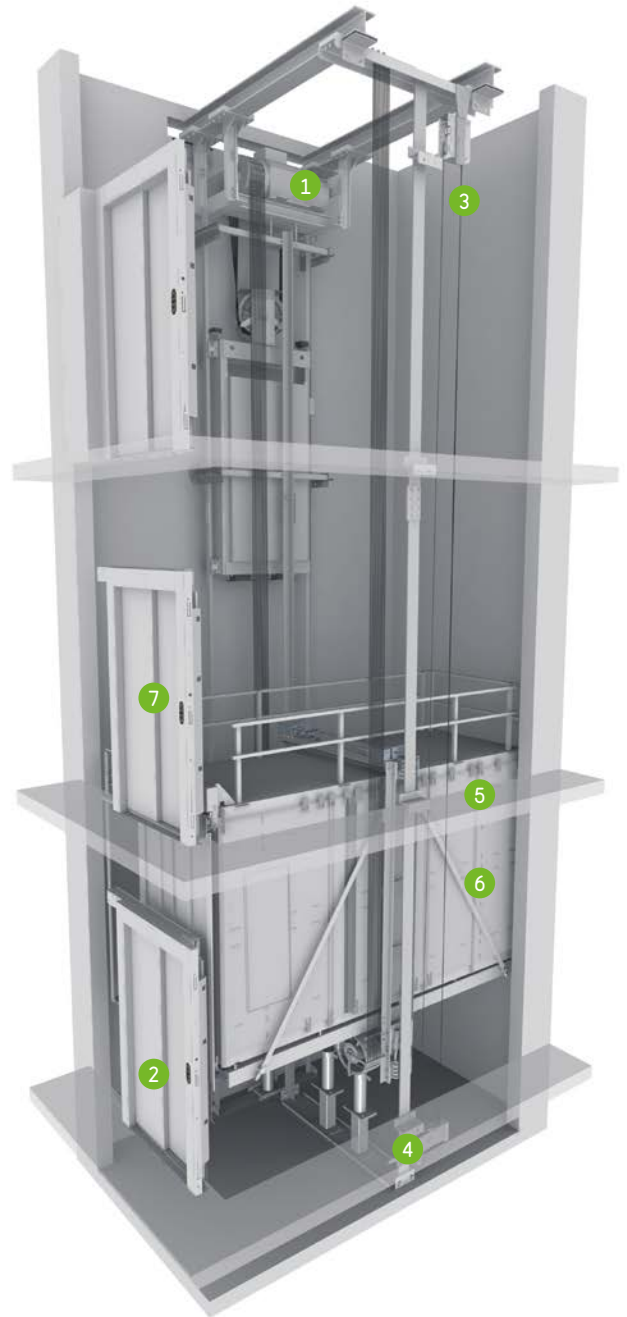
Maximum durability, comfort, and reliability.

The high transport capacity and dimensional flexibility solution for all types of loads.

General specifications

Load	1,650 to 2,500 kg
Capacity	22 to 33 persons
Speed	0.6 - 1 - 1.6 m/s
Maximum travel	50 - 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 900 to 2,500 mm (in increments of 100 mm)
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 Plus

Standard Optional



1 DRIVE

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



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.



3 PARAMETRIC/FLEXIBLE

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



4 ACCESSIBLE SPACE BELOW THE PIT

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



5 ROBUST LIFT CAR

Provides greater comfort during lift travel, with reduced vibration and noise.



6 CARS

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



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

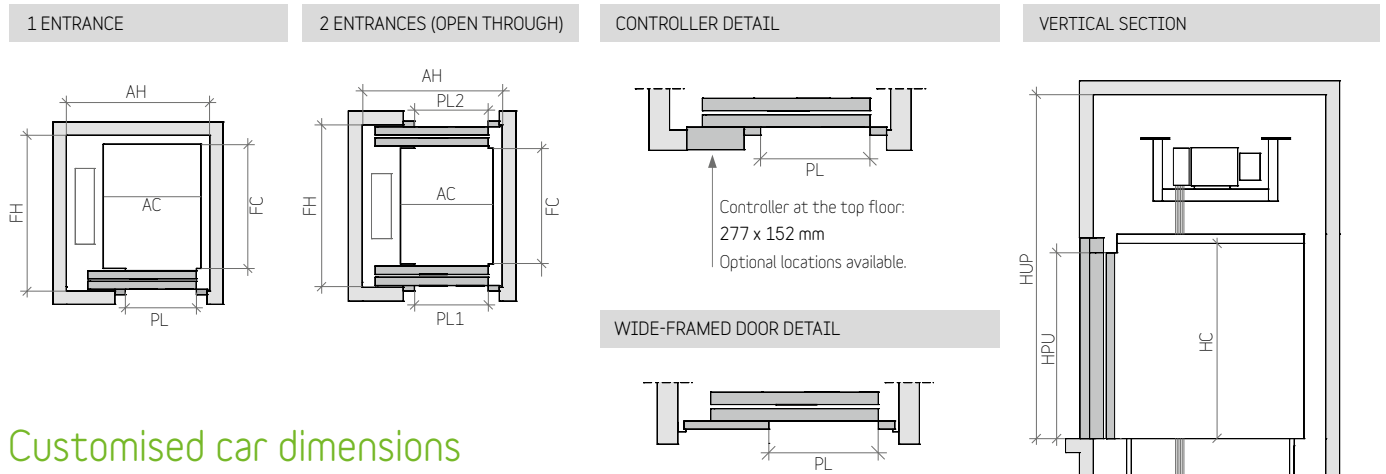
Load / capacity				Car				Lift shaft*														
Speed			Q Load	AC Width	FC Depth	PL Clear opening	Type	No. of entrances	AH ¹ Width	FH Depth	HF ² Pit	HUP ³ Last Floor										
0.6 m/s			24	1,800 kg	2,350	1,600	1,200	CC	1 2 x 180 ⁰	3,150	1,950 2,160	1,450	3,625									
			26	2,000 kg	2,350	1,700	1,200	CC	1 2 x 180 ⁰	3,150	2,050 2,260											
					1,500	2,700	1,300	TT	1 2 x 180 ⁰	2,300	3,050 3,260											
	33	2,500 kg	1,800	2,700	1,300	TT	1 2 x 180 ⁰	2,600	3,050 3,260													
										24	1,800 kg			2,350	1,600	1,200	CC	1 2 x 180 ⁰	3,150	1,950 2,160		
																					26	2,000 kg
1,500	2,700	1,300	TT	1 2 x 180 ⁰	2,300	3,050 3,260																
1 m/s			24	1,800 kg	2,350	1,600	1,200	CC	1 2 x 180 ⁰	3,150	2,050 2,260	1,450	3,650									
														26	2,000 kg	2,350	1,700	1,200	CC	1 2 x 180 ⁰	3,150	2,050 2,260
																1,500	2,700	1,300	TT	1 2 x 180 ⁰	2,300	3,050 3,260
	33	2,500 kg	1,800	2,700	1,300	TT	1 2 x 180 ⁰	2,600	3,050 3,260													
										24	1,800 kg			2,350	1,600	1,200	CC	1 2 x 180 ⁰	3,150	2,050 2,260		
																					26	2,000 kg
1,500	2,700	1,300	TT	1 2 x 180 ⁰	2,300	3,050 3,260																
1.6 m/s			24	1,800 kg	2,350	1,600	1,200	CC	1 2 x 180 ⁰	3,150	2,050 2,260	1,600	3,790									
														26	2,000 kg	2,350	1,700	1,200	CC	1 2 x 180 ⁰	3,150	2,050 2,260
																1,500	2,700	1,300	TT	1 2 x 180 ⁰	2,300	3,050 3,260
	33	2,500 kg	1,800	2,700	1,300	TT	1 2 x 180 ⁰	2,600	3,050 3,260													
										24	1,800 kg			2,350	1,600	1,200	CC	1 2 x 180 ⁰	3,150	2,050 2,260		
																					26	2,000 kg
1,500	2,700	1,300	TT	1 2 x 180 ⁰	2,300	3,050 3,260																

- 1 With 2 panel telescopic doors
- 2 With PVC flooring. Marble floor option + 20 mm
- 3 HUP minimum for internal car height (HC) of 2,100 mm

CC - Two panel central door
TT - Two panel telescopic door

* Minimum plumb measurements

Layout



Customised car dimensions

Car width												Car depth	Clear door opening
33	31	30	29	28	27	26	25	24	23	22	1900		
33	31	30	29	28	27	26	25	24	23	22	1800	900	
33	31	30	29	28	27	26	25	24	23	22	1800	1000	
33	31	30	29	28	27	26	25	24	23	22	1800	1100	
33	31	30	29	28	27	26	25	24	23	22	1800	1200	
33	31	30	29	28	27	26	25	24	23	22	1800	1300	
33	31	30	29	28	27	26	25	24	23	22	1800	1400	
33	31	30	29	28	27	26	25	24	23	22	1800	1500	
33	31	30	29	28	27	26	25	24	23	22	1800	1600	
33	31	30	29	28	27	26	25	24	23	22	1800	1700	
33	31	30	29	28	27	26	25	24	23	22	1800	1800	
33	31	30	29	28	27	26	25	24	23	22	1800	1900	
33	31	30	29	28	27	26	25	24	23	22	1800	2000	
33	31	30	29	28	27	26	25	24	23	22	1800	2100	
33	31	30	29	28	27	26	25	24	23	22	1800	2200	
33	31	30	29	28	27	26	25	24	23	22	1800	2300	
33	31	30	29	28	27	26	25	24	23	22	1800	2400	
33	31	30	29	28	27	26	25	24	23	22	1800	2500	
33	31	30	29	28	27	26	25	24	23	22	1800	2600	
33	31	30	29	28	27	26	25	24	23	22	1800	2700	
33	31	30	29	28	27	26	25	24	23	22	1800	2800	
33	31	30	29	28	27	26	25	24	23	22	1800	2900	
33	31	30	29	28	27	26	25	24	23	22	1800	3000	
33	31	30	29	28	27	26	25	24	23	22	1800	3100	
33	31	30	29	28	27	26	25	24	23	22	1800	3200	
33	31	30	29	28	27	26	25	24	23	22	1800	3300	
33	31	30	29	28	27	26	25	24	23	22	1800	3400	
33	31	30	29	28	27	26	25	24	23	22	1800	3500	
33	31	30	29	28	27	26	25	24	23	22	1800	3600	
33	31	30	29	28	27	26	25	24	23	22	1800	3700	
33	31	30	29	28	27	26	25	24	23	22	1800	3800	
33	31	30	29	28	27	26	25	24	23	22	1800	3900	
33	31	30	29	28	27	26	25	24	23	22	1800	4000	
33	31	30	29	28	27	26	25	24	23	22	1800	4100	
33	31	30	29	28	27	26	25	24	23	22	1800	4200	
33	31	30	29	28	27	26	25	24	23	22	1800	4300	
33	31	30	29	28	27	26	25	24	23	22	1800	4400	
33	31	30	29	28	27	26	25	24	23	22	1800	4500	
33	31	30	29	28	27	26	25	24	23	22	1800	4600	
33	31	30	29	28	27	26	25	24	23	22	1800	4700	
33	31	30	29	28	27	26	25	24	23	22	1800	4800	
33	31	30	29	28	27	26	25	24	23	22	1800	4900	
33	31	30	29	28	27	26	25	24	23	22	1800	5000	

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