



Orona

Orona 3G

Technical solutions





Orona 3G

X-18

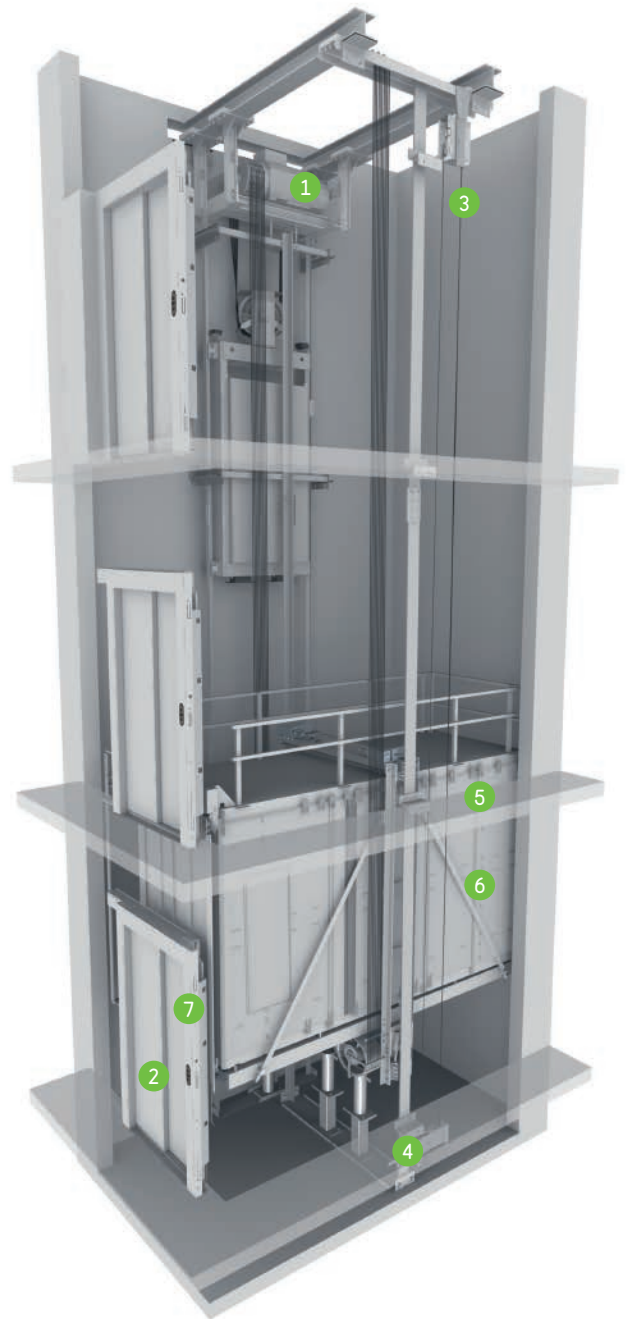
Solution designed for the transport of people and goods in public buildings with heavy traffic

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

General specifications

Load	1,650 to 2,500 kg
Capacity	22 to 33 persons
Speed	0.6 - 1 - 1.6 m/s
Maximum travel	40 m
Maximum floors served	16 floors
Entrances	1 front / 2 open through
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	From 900 to 2,500 mm (in increments of 100 mm)
Door height	2,000 / 2,100 / 2,200 / 2,300 mm
Car dimensions	Parametric car dimensions
Internal car height	2,100 / 2,200 / 2,300 / 2,400 mm
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.



Customised solution, examples of dimensions*

Load / capacity				Car				Lift shaft ⁰				
Speed	Accessibility	Persons	Q Load	AC Width	FC Depth	PL Clear opening	Type	No. of entrances	AH ¹ Width	FH Depth	HF ² Pit	HUP ³ Headroom
0.6 m/s	Accessibility	24	1 800 kg	2 200	1 700	1 200	CC	1 2x180°	3 000	2 050 2 260	1 450	3 625
		26	2 000 kg	2 350	1 700	1 200	CC	1 2x180°	3 150	2 050 2 260		
				1 500	2 700	1 300	TT	1 2x180°	2 300	3 050 3 260		
	Accessibility	33	2 500 kg	1 800	2 700	1 300	TT	1 2x180°	2 600	3 050 3 260		
		24	1 800 kg	2 200	1 700	1 200	CC	1 2x180°	3 000	2 050 2 260		
				2 350	1 700	1 200	CC	1 2x180°	3 150	2 050 2 260		
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	1.6 m/s	Accessibility	24	1 800 kg	2 200	1 700	1 200	CC	1 2x180°	3 000	2 050 2 260	1 600
26			2 000 kg	2 350	1 700	1 200	CC	1 2x180°	3 150	2 050 2 260		
				1 500	2 700	1 300	TT	1 2x180°	2 300	3 050 3 260		
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				1 500	2 700	1 300	TT	1 2x180°	2 300	3 050 3 260		
		33	2 500 kg	1 800	2 700	1 300	TT	1 2x180°	2 600	3 050 3 260		

0 Minimum plumb measurements

1 With TT 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

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

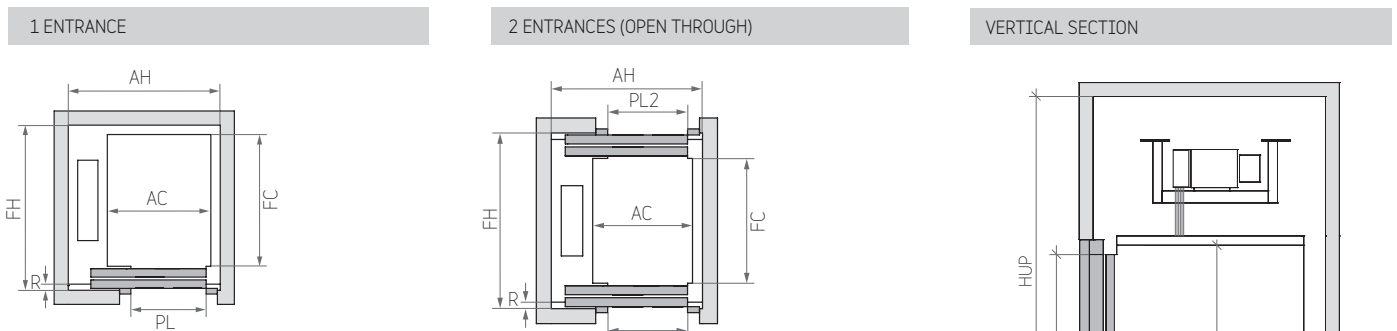
TT - 2 panel telescopic door

NN - 3 panel telescopic door

CC - 2 panel central door

HH - 4 panel central door

Layout*



* Note: The diagrams are for guidance only

Customised car dimensions

Car width																														
											33	2,900																		
											33	2,800																		
											33	2,700																		
											33	2,600																		
											33	2,500																		
											33	2,400																		
											33	2,300																		
											33	2,200																		
											33	2,100																		
											33	2,000																		
											33	1,900																		
											33	1,800																		
											33	1,700																		
											33	1,600																		
											33	1,500																		
											33	1,400																		
3,000	2,900	2,800	2,700	2,600	2,500	2,400	2,300	2,200	2,100	2,000	1,900	1,800	1,700	900	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500
													Clear door opening																	

Note: Dimensions considering 1 entrance. Car width and depth variable in increments of 5 mm. For simplification, table samples show increments of 100 mm.

