

Orona 3G X-30

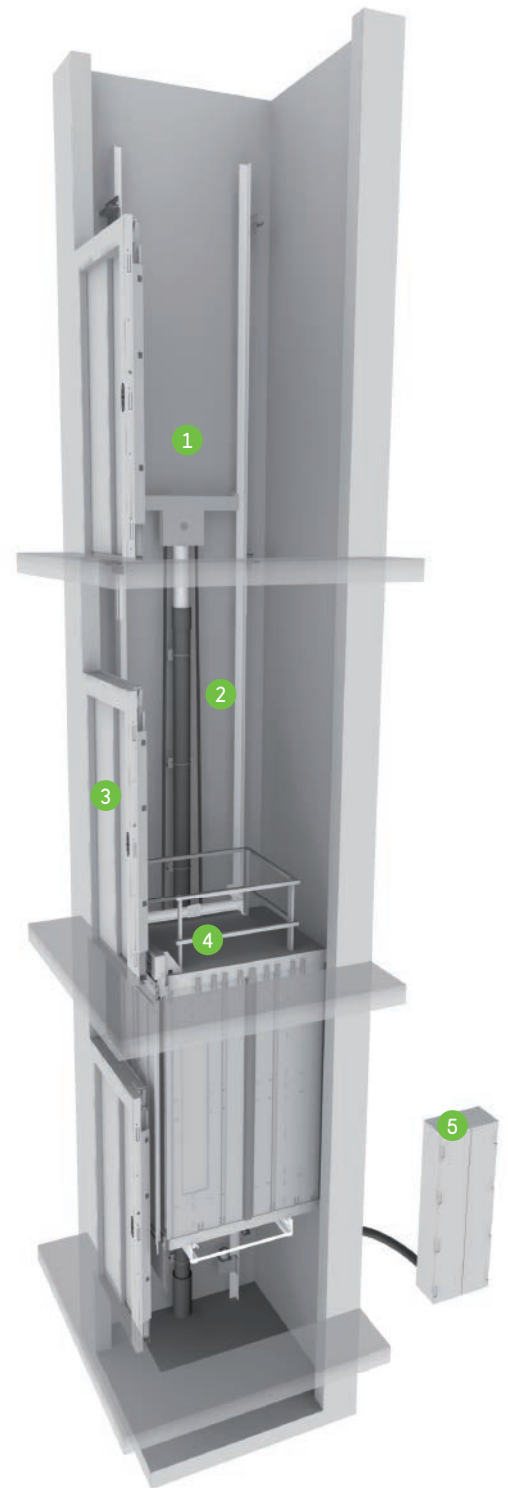
Hydraulic drive solution for buildings with moderate traffic

Hydraulic drive solution.

General specifications

Load	320 to 1,250 kg
Capacity	4 to 16 persons / 13 to 16 persons
Speed	0.6 m/s
Maximum travel	21 m
Maximum floors served	7 floors
Entrances	1 front / 2 open through / 2 front & side
Drive system	Hydraulic
Controller	ARC III controller, low energy consumption multiprocessor
Door types	Automatic side-opening / Automatic central-opening / Semiautomatic + Articulated (BUS)
Clear door opening	From 600 to 1,600 mm (in 100 mm increments)
Door height	2,000 / 2,100 mm
Car dimensions	Parametric car dimensions
Internal car height	2,100 / 2,200 mm
Aesthetic solutions	Orona 3G Domo Packs / Orona 3G Public Packs / Orona 3G Plus

Standard Optional



1 HYDRAULIC LIFTS

The hydraulic systems, renowned for their long life cycle, are very versatile and offer convenient solutions to high load requirements or reduced shaft spaces.



2 PARAMETRIC/FLEXIBLE

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



3 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.



4 CAR ACCESSIBILITY

Optional EN 81-70 accessible car. Optional car light control, including LED lighting options.



5 REDUCED MACHINE ROOM

As an alternative to a machine-room, the controller/machinery can be fitted into a metal cabinet and located in a convenient location within the building.



Customised solution, examples of dimensions*

Load / capacity		Lift shaft ⁰											HF Pit		HUP ² Headroom
		Side piston (TT)						Rear piston (HH)							
		Standard car			Lift shaft										
Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances		AH Width	FH ¹ Depth	AH Width	FH ¹ Depth	Std.	With safety space	Std.		
					Accessibility	No. of entrances									
4	320 kg	825	1,100	700		1	1,250	1,350	1,175	1,650	1,200				
						2x180 ⁰	1,250	1,500							
						2x90 ⁰	1,400	1,350	1,175	1,650					
6	450 kg	1,000	1,250	800		1	1,425	1,500	1,325	1,800	1,250				
						2x180 ⁰	1,425	1,650							
						2x90 ⁰	1,575	1,500	1,325	1,800					
8	630 kg	1,100	1,400	900		1	1,575	1,650			1,250				
						2x180 ⁰	1,575	1,800							
						2x90 ⁰	1,675	1,650							
10	800 kg	1,350	1,400	900		1	1,800	1,650	1,700	1,975	1,250		3,400		
						2x180 ⁰	1,800	1,800							
						2x90 ⁰	1,925	1,650	1,700	1,975					
13	1,000 kg	1,100	2,100	900		1	1,550	2,350			1,250				
							2x180 ⁰	1,550	2,500						
							2x90 ⁰	1,675	2,350						
16	1,250 kg	1,200	2,300	1,000		1	1,650	2,550			1,250				
						2x180 ⁰	1,650	2,700							
						2x90 ⁰	1,775	2,550							

0 Minimum plumb measurements

1 R=60 mm, shaft with TT 2 panel telescopic door tracks projecting 60 mm on the landing

2 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

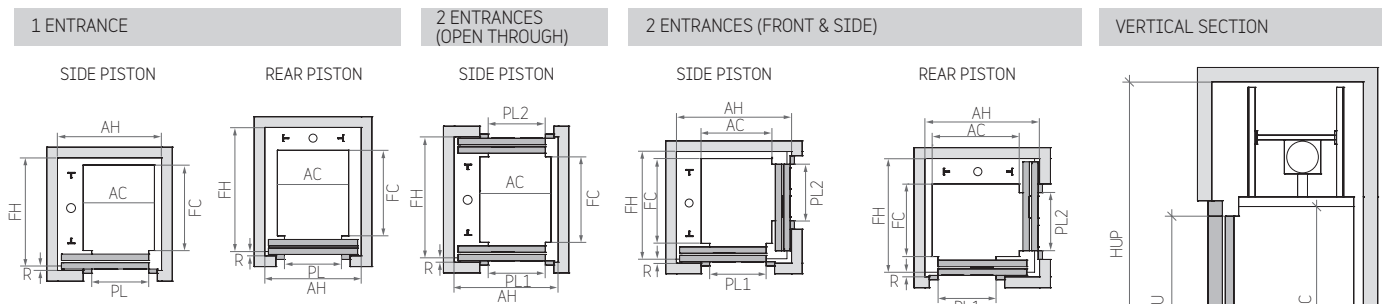
TT - 2 panel telescopic door

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

SIDE PISTON

																	Car width											Clear door opening																
																	1,500																											
																	1,400																											
																	1,300																											
16	16	15	13	13	12	11	10	9									1,200																											
15	14	13	13	12	10	10	9	8	8	7	6	5	5									1,100																						
13	13	12	11	10	10	9	8	8	7	7	6	5	4	4									1,000																					
12	11	10	10	9	8	8	7	7	6	5	5	4	4									900																						
10	10	9	8	8	8	7	6	6	5	5	4	4									800																							
9	8	8	8	7	7	6	5	5	5	4	4																																	
2,100	2,000	1,900	1,800	1,700	1,600	1,500	1,400	1,300	1,200	1,100	1,000	900	800									600	700	800	900	1,000	1,100	1,200	1,300	1,400														

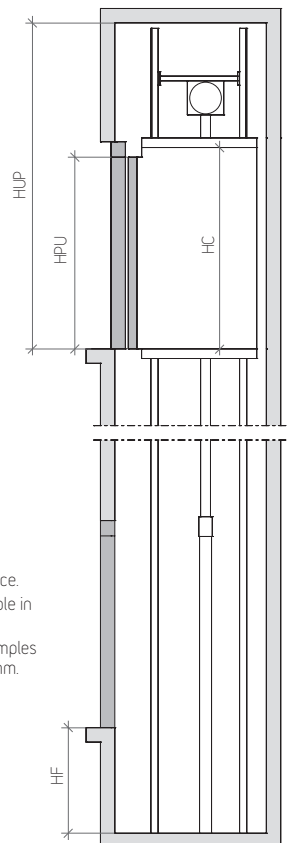
Car depth

REAR PISTON

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

Car depth

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



Maximum distance machine room to cylinder 10 m.