

Orona 3G

# X-30

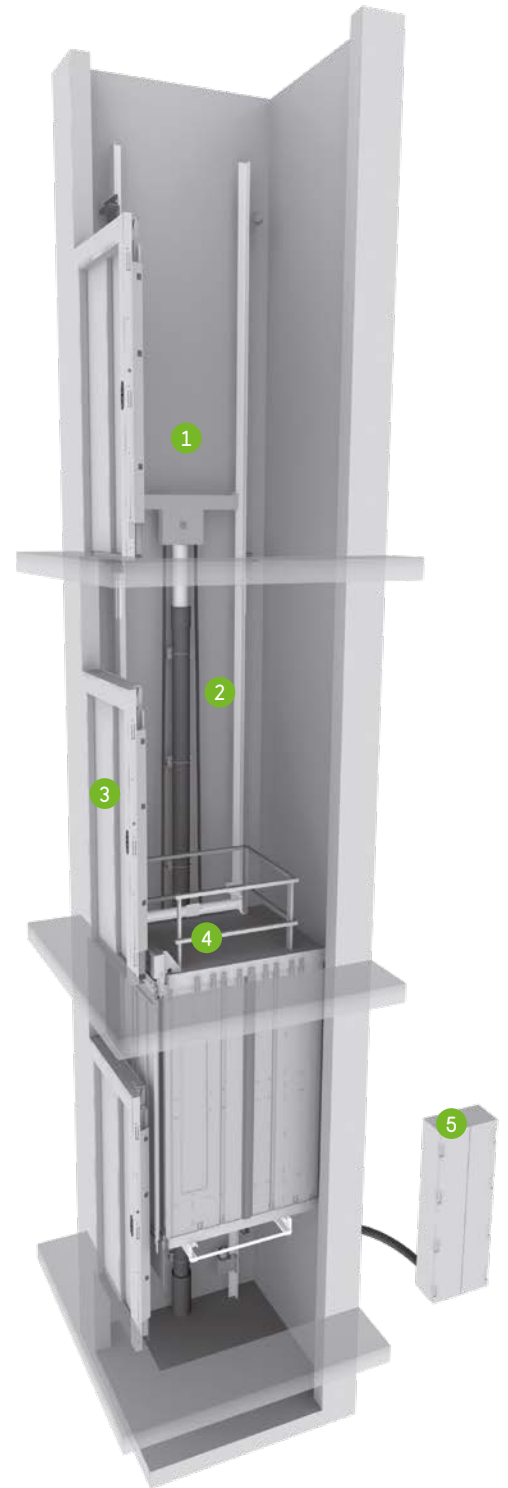
## Hydraulic drive solutions

For light-traffic applications.  
The versatile and adaptable hydraulic solution.

### General specifications

Load	320 to 1,000 kg
Capacity	2 to 16 persons / 2 to 4 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	ARCA II controller, low energy microprocessor
Door types	Semi-automatic + Articulated (BUS) / Automatic side-opening / Automatic central-opening
Clear door opening	From 600 to 1,600 mm (in 100 mm increments)
Door height	2,000 / 2,100
Car dimensions	Parametric car dimensions
Internal car height	2,100 / 2,200
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.

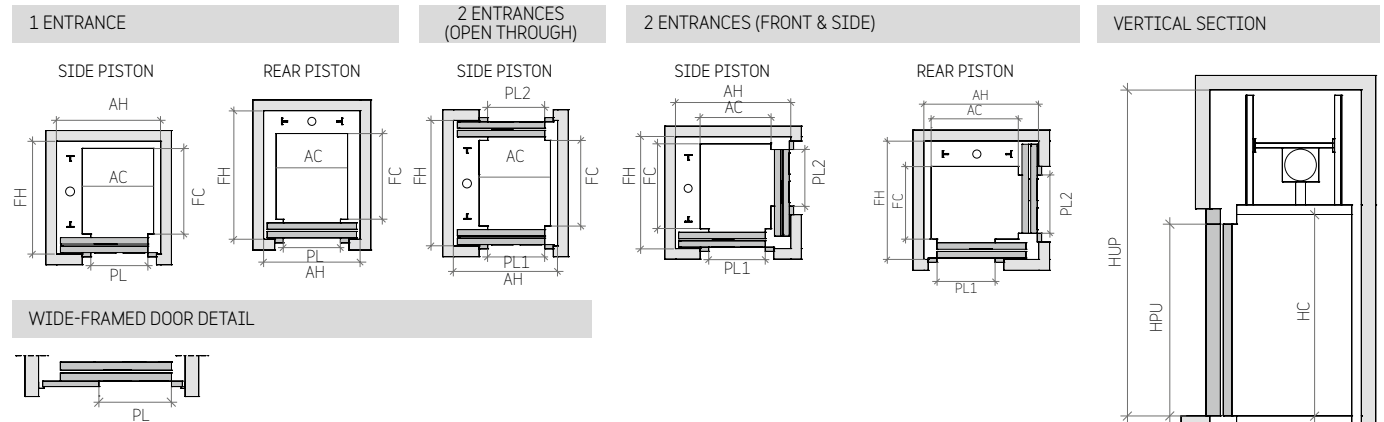


# Standard dimensions

Load / capacity		Lift shaft *																	
		Side piston (TT)						Rear piston (HH)				HF Pit		HUP <sup>2</sup> Last Floor					
		Standard car				Lift shaft													
Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances		AH Width	FH <sup>1</sup> Depth	AH Width	FH <sup>1</sup> Depth	Std.	Without safety space (EN 81-21)	Std.	Without safety space (EN 81-21)					
					Accessibility	No. of entrances													
2	180 kg	750	750	600		1	1200	1,000	1,100	1,300	1,050	615	3,010						
						2 x 180 <sup>0</sup>	1,200	1,150											
						2 x 90 <sup>0</sup>	1,350	1,000	1,100	1,300									
4	320 kg	825	1,100	700		1	1,250	1,350	1,175	1,650				1,100	860	3,150			
						2 x 180 <sup>0</sup>	1,250	1,500											
						2 x 90 <sup>0</sup>	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							1,100	875	3,230
						2 x 180 <sup>0</sup>	1,425	1,650											
						2 x 90 <sup>0</sup>	1,575	1,500	1,325	1,800									
8	630 kg	1,100	1,400	900		1	1,575	1,650			1,100	875	3,230						
						2 x 180 <sup>0</sup>	1,575	1,800											
						2 x 90 <sup>0</sup>	1,675	1,650											
10	800 kg	1,350	1,400	900		1	1,800	1,650	1,700	1,975				1,100	875	3,230			
						2 x 180 <sup>0</sup>	1,800	1,800											
						2 x 90 <sup>0</sup>	1,925	1,650	1,700	1,975									
13	1,000 kg	1,100	2,100	900		1	1,550	2,350									1,100	875	3,230
						2 x 180 <sup>0</sup>	1,550	2,500											
						2 x 90 <sup>0</sup>	1,675	2,350											
16	1,250 kg	1,200	2,300	1,000		1	1,650	2,550	1,700	1,975	1,100	875	3,230						
						2 x 180 <sup>0</sup>	1,650	2,700											
						2 x 90 <sup>0</sup>	1,775	2,550	1,850	1,975									

- 1 Shaft depth with door tracks projecting 60 mm on the landing  
 2 HUP minimum for internal car height (HC) of 2,100 mm (HUP = HC + 1225)  
 TT - Two panel telescopic door  
 HH - Four panel central door  
 \* Minimum plumb measurements

## Layout



## Customised car dimensions

SIDE PISTON		Car width	
16	16	16	1,500
15	14	13	1,400
14	13	12	1,300
13	12	11	1,200
12	11	10	1,100
11	10	9	1,000
10	9	8	900
9	8	7	800
2,100	2,000	1,900	600
1,800	1,700	1,600	700
1,600	1,500	1,400	800
1,400	1,300	1,200	900
1,200	1,100	1,000	1,000
1,100	1,000	900	1,100
1,000	900	800	1,200
900	800		1,300
800			1,400

Clear door opening

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

Clear door opening

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

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