

# Orona 3G 2015

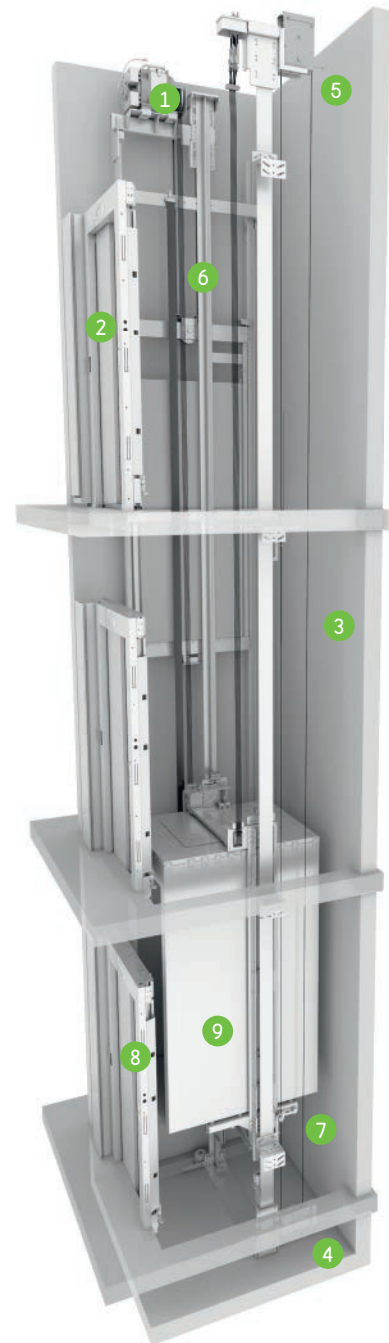
## Customised solution for public buildings with high traffic

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

### General specifications

Load	320 to 1,000 kg
Capacity	4 to 13 persons
Speed	1 - 1.6 m/s
Maximum travel	60 m
Maximum floors served	16 - 21 floors
Machine-room option	Yes (Orona 3G 1025)
Entrances	1 front / 2 open through
Drive system	Regulated gearless (240 starts per hour)
Controller	ARCA III controller, low energy consumption multiprocessor
Door types	Automatic side-opening / Automatic centre-opening
Clear door opening	From 800 to 1,500 mm (in 100 mm increments)
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 Packs Reference / Orona 3G Public Packs Selection / 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 REDUCED HEADROOM

Optional feature to allow the reduction of the shaft headroom when required, whilst maintaining the enhanced safety and protection for maintenance staff.



#### 6 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.



#### 7 SHAFT USABILITY

Lifts designed especially to use all the shaft space available, obtaining a good relation between the space available and the number of passengers to be transported.



#### 8 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.



#### 9 TWO-WAY COMMUNICATIONS

Between the lift and the emergency 24-hour Service Call Centre according to EN 81-28.



ECO-EFFICIENCY



ADAPTABILITY



DESIGN AND ACCESSIBILITY



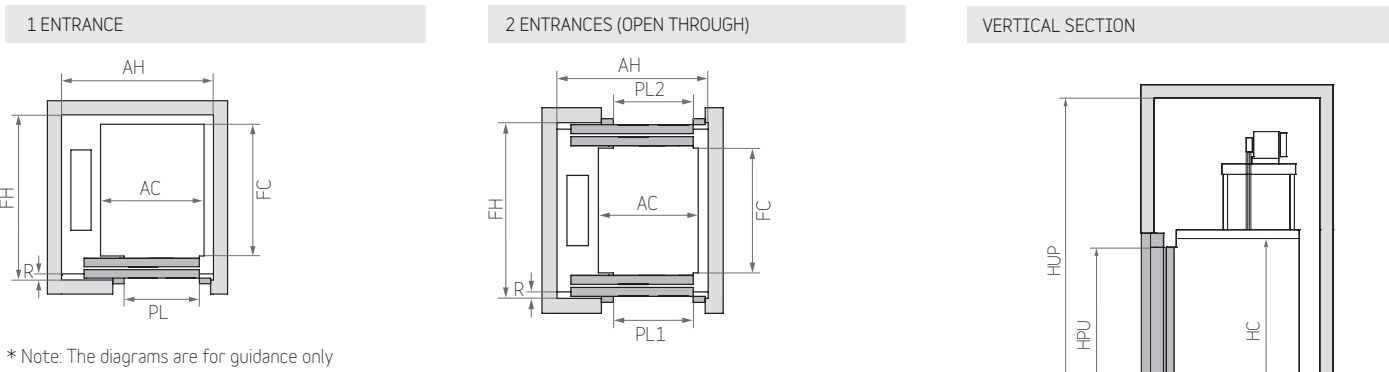
CONTROL AND SAFETY

# Customised solution, examples of dimensions\*

Load/Capacity			Car			Lift shaft <sup>0</sup>							
Speed	Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances		Side-opening TT doors		Central-opening CC doors		HF Pit	HUP <sup>5</sup> Headroom
						Accessibility	No. of entrances	AH <sup>1</sup> Width	FH <sup>2</sup> Depth	AH Width	FH <sup>3</sup> Depth		
1 m/s	4	320 kg	825	1,100	700		1 2 x 180 <sup>0</sup>	1,300	1,350 1,500			1,000 (830) <sup>4</sup>	3,400
	6	450 kg	1,000	1,250	600	♿	1 2 x 180 <sup>0</sup>	1,450	1,500 1,650	1,725	1,450 1,550		
	8	630 kg	1,100	1,400	900		1 2 x 180 <sup>0</sup>	1,600	1,675 1,850	1,925	1,625 1,750		
	10	800 kg	1,350	1,400	900	♿	1 2 x 180 <sup>0</sup>	1,825	1,675 1,850	1,925	1,625 1,750		
	13	1,000 kg	1,600 1,100	1,400 2,100	1,000 1,000		1 2 x 180 <sup>0</sup>	2,075 1,775	1,675 2,375 2,550	2,150 2,125	1,625 1,750 2,300 2,400		
1.6 m/s	4	320 kg	825	1,100	700		1 2 x 180 <sup>0</sup>	1,325	1,350 1,500			1,120	3,550
	6	450 kg	1,000	1,250	800	♿	1 2 x 180 <sup>0</sup>	1,475	1,500 1,650	1,725	1,450 1,550		
	8	630 kg	1,100	1,400	900		1 2 x 180 <sup>0</sup>	1,625	1,675 1,850	1,925	1,625 1,750		
	10	800 kg	1,350	1,400	900	♿	1 2 x 180 <sup>0</sup>	1,850	1,675 1,850	1,925	1,625 1,750		
	13	1,000 kg	1,600 1,100	1,400 2,100	1,000 1,000		1 2 x 180 <sup>0</sup>	2,100 1,775	1,675 1,850 2,375 2,550	2,175 2,125	1,625 1,750 2,300 2,400		

- 0 Minimum plumb measurements
  - 1 Accessible space below the pit (counterweight with safety gear) add 115 mm to AH
  - 2 R=60 mm, shaft depth with TT two panel telescopic door tracks projecting 60 mm on the landing
  - 3 R=40 mm, shaft depth with CC two panel central door tracks projecting 40 mm on the landing
  - 4 HF reduced pit optional 830 mm
  - 5 Minimum HUP for interior car height (HC) of 2,100 mm
  - 6 HUP optional reduced (HUP=HC+900). Consult availability of car dimensions.
- \*The information is not contractually binding and is subject to the conditions of the shaft  
 TT - Two panel telescopic door  
 CC - Two panel central door

## Layout\*



## Customised car dimensions

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

Car depth

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

