

Orona 3G 2026

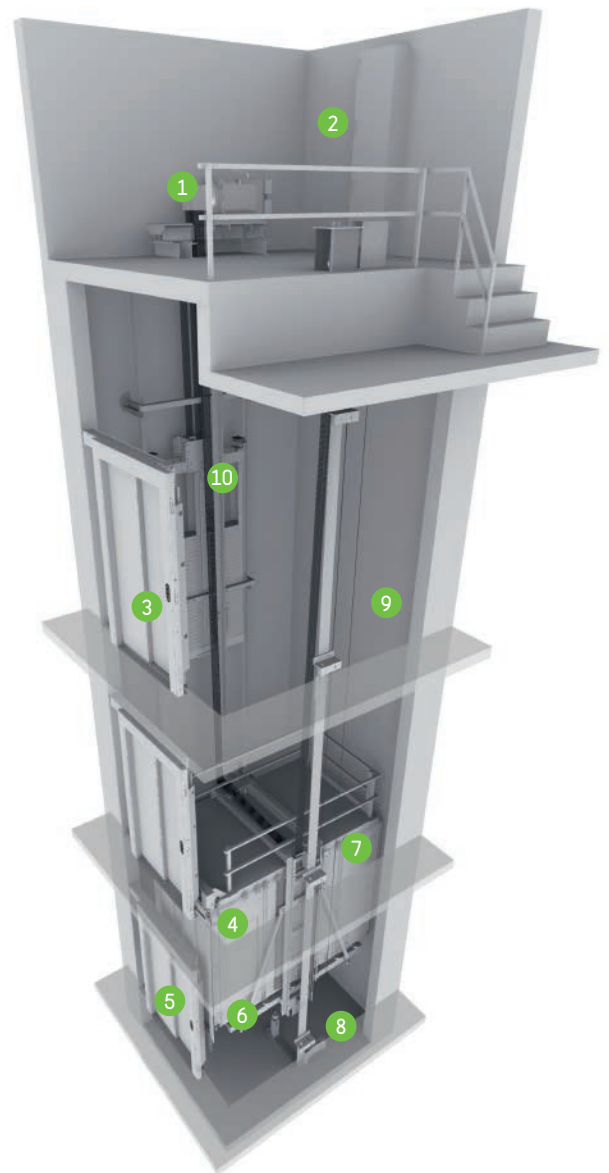
Solution designed for the most demanding specifications in public buildings with heavy traffic

Machine-room above electrical gearless solution.

General specifications

| | |
|-----------------------|--|
| Load | 630 to 1,600 kg |
| Capacity | 8 to 21 persons |
| Speed | 1 - 1.6 m/s |
| Maximum travel | 50 - 75 m |
| Maximum floors served | 32 floors |
| 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 1,600 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 MACHINE-ROOM

A traditional solution simplifying lift maintenance.



3 SOLID DOORS

Extra robust doors with reduced sound levels inside and outside the lift and which are specially constructed for high volume passenger traffic.



4 TWO-WAY COMMUNICATIONS

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



5 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.



6 CARS

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



7 ROBUST LIFT CAR

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



8 ACCESSIBLE SPACE BELOW THE PIT

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



9 PARAMETRIC/FLEXIBLE

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



10 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.



ECO-EFFICIENCY



ADAPTABILITY



DESIGN AND ACCESSIBILITY



CONTROL AND SAFETY

Customised solution, examples of dimensions*

| Load/Capacity | | | Car | | | Lift shaft ⁰ | | | | | | | |
|---------------|----------|----------|----------------------|----------|------------------|-------------------------|------------------|-----------------------|-----------------------|--------------------------|-----------------------|--------|---------------------------|
| Speed | Persons | Q Load | AC Width | FC Depth | PL Clear opening | Entrances | | Side-opening TT doors | | Central-opening CC doors | | HF Pit | HUP ⁴ Headroom |
| | | | | | | Accessibility | No. of entrances | AH ¹ Width | FH ² Depth | AH Width | FH ³ Depth | | |
| 1 m/s | 8 | 630 kg | 1,100 | 1,400 | 900 | | 1 | 1,700 | 1,675 | 1,950 | 1,625 | 1,050 | 3,400 |
| | | | 2 x 180 ⁰ | 1,850 | 1,750 | | | | | | | | |
| | 10 | 800 kg | 1,350 | 1,400 | 900 | | 1 | 1,975 | 1,675 | 1,975 | 1,625 | | |
| | | | 2 x 180 ⁰ | 1,850 | 1,750 | | | | | | | | |
| | 13 | 1,000 kg | 1,600 | 1,400 | 1,000 | | 1 | 2,225 | 1,675 | 2,225 | 1,625 | | |
| | | | 2 x 180 ⁰ | 1,850 | 1,750 | | | | | | | | |
| | 17 | 1,275 kg | 2,000 | 1,400 | 1,100 | | 1 | 1,775 | 2,375 | 2,750 | 1,650 | | |
| | | | 2 x 180 ⁰ | 2,550 | 1,750 | | | | | | | | |
| | 21 | 1,600 kg | 2,000 | 1,400 | 1,100 | | 1 | 1,935 | 2,600 | 2,850 | 1,850 | | |
| | | | 2,200 | 1,400 | 1,100 | | 2,750 | | 1,950 | | | | |
| 2,100 | | | 1,600 | 1,100 | 2,850 | 1,850 | | | | | | | |
| 2,400 | | | 1,600 | 1,200 | 2,850 | 1,950 | | | | | | | |
| 1.6 m/s | 8 | 630 kg | 1,100 | 1,400 | 900 | | 1 | 1,725 | 1,675 | 1,950 | 1,625 | 1,200 | 3,550 |
| | | | 2 x 180 ⁰ | 1,850 | 1,750 | | | | | | | | |
| | 10 | 800 kg | 1,350 | 1,400 | 900 | | 1 | 1,975 | 1,675 | 1,975 | 1,625 | | |
| | | | 2 x 180 ⁰ | 1,850 | 1,750 | | | | | | | | |
| | 13 | 1,000 kg | 1,600 | 1,400 | 1,000 | | 1 | 2,225 | 1,675 | 2,225 | 1,625 | | |
| | | | 2 x 180 ⁰ | 1,850 | 1,750 | | | | | | | | |
| | 17 | 1,275 kg | 2,000 | 1,400 | 1,100 | | 1 | 1,775 | 2,375 | 2,750 | 1,650 | | |
| | | | 2 x 180 ⁰ | 2,550 | 1,750 | | | | | | | | |
| | 21 | 1,600 kg | 2,000 | 1,400 | 1,100 | | 1 | 1,935 | 2,600 | 2,850 | 1,850 | | |
| | | | 2,200 | 1,400 | 1,100 | | 2,750 | | 1,950 | | | | |
| 2,100 | | | 1,600 | 1,100 | 2,850 | 1,850 | | | | | | | |
| 2,400 | | | 1,600 | 1,200 | 2,850 | 1,950 | | | | | | | |
| 21 | 1,600 kg | 2,100 | 1,600 | 1,100 | 1 | 2,085 | 2,700 | 2,850 | 2,700 | | | | |
| | | 2,400 | 1,600 | 1,200 | 2,850 | | 2,850 | | | | | | |
| | | 1,400 | 2,400 | 1,200 | 2,850 | | 2,850 | | | | | | |
| | | 2,400 | 2,400 | 1,200 | 2,850 | | 2,850 | | | | | | |

0 Minimum plumb measurements

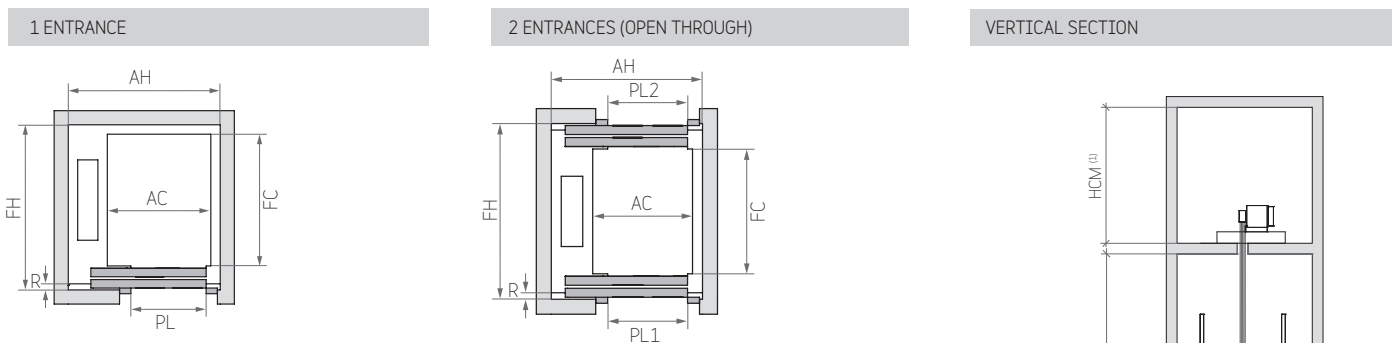
- 1 Accessible space below the pit (counterweight with safety gear) add 50 mm to AH
- 2 R=60 mm, shaft depth with TT two panel telescopic door tracks projecting 60 mm on the landing
- 3 R=40 mm, shaft depth with CC two panel central door tracks projecting 40 mm on the landing

4 Minimum HUP 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 - Two panel telescopic door
 CC - Two panel central door

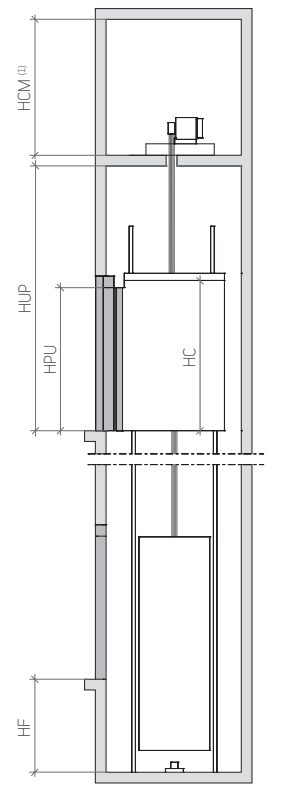
Layout*



* Note: The diagrams are for guidance only.

Customised car dimensions

| | | | | | | | | | | | | | Car width | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|-------|----|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | 21 | 20 | 18 | | | | | | | | | | | 2,100 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 21 | 20 | 18 | 17 | | | | | | | | | | 2,000 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 21 | 20 | 19 | 17 | 16 | | | | | | | | | 1,900 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 21 | 20 | 19 | 18 | 16 | 15 | | | | | | | | 1,800 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 21 | 20 | 19 | 18 | 16 | 15 | 14 | | | | | | | 1,700 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 21 | 20 | 19 | 18 | 16 | 15 | 14 | 13 | 12 | | | | | | 1,600 | | | | | | | | | | | | | |
| 21 | 21 | 20 | 19 | 18 | 17 | 15 | 14 | 13 | 13 | 11 | | | | 1,500 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 19 | 18 | 17 | 16 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | | | 1,400 | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 18 | 17 | 16 | 15 | 14 | 13 | 13 | 12 | 11 | 10 | 9 | 9 | 8 | | | 1,300 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 15 | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 9 | 8 | 8 | | | | 1,200 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 12 | 12 | 11 | 10 | 10 | 9 | 8 | | | | | | 1,100 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 11 | 10 | 10 | 9 | 8 | 8 | | | | | | | 1,000 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 11 | 10 | 10 | 9 | 8 | 8 | | | | | | | 900 | | | | | | | | | | | | | | | |
| 2,500 | 2,400 | 2,300 | 2,200 | 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 | 1,600 | | | | | | | | | | | | | | | | |
| Car depth | | | | | | | | | | | | | Clear door opening | | | | | | | | | | | | | | | | | | | | | | | | | | | |



(1) HCM - minimum 2,000 mm

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