Orona 3G

Machine-room-less electrical gearless solutions (MRLG)

Compact machine-room-less solutions mainly designed for existing buildings. Latest direct drive technology for measurements on top floor and pit limit. Optimum use of space, machine-room-less solution.

General specifications

Load	180 to 630 kg
Capacity	2 to 8 persons
Speed	0.6 - 1 m/s
Maximum travel	45 m
Maximum floors served	16 floors
Entrances	1 front / 2 open through / 2 front and side
Drive system	Direct gearless
Controller	ARCA II controller, low energy microprocessor
Door types	Semiautomatic + Articulated (BUS) / Automatic side-opening / Automatic central-opening
Clear door opening	From 500 to 900 mm
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



Compact machine-room-less solution, with optional reduced headroom version.



4 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.



OPTIMISED PASSENGER

Saves space, reduces weight, improves safety, and improves the installation



5 DRIVE





Compact, quiet, gearless, energy efficient, speed regulated (VVVF) permanent magnet electric motor.



6 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.

ACCESIBLE SPACE **BELLOW THE PIT**

Adapts the lift to suit buildings

which have an accessible space below the pit (optional).



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.





















Standard dimensions

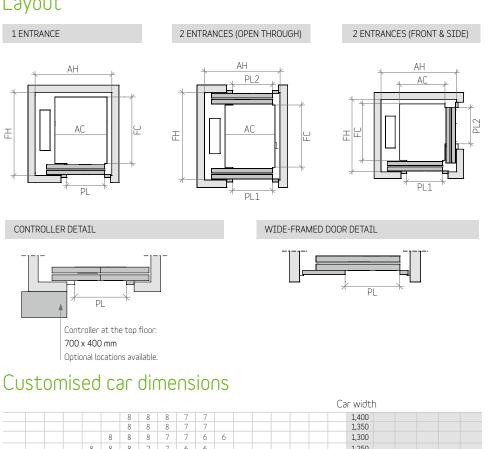
					Lift shaft*																					
	Load / capacity			Standa	rd car	Entrances	D	oors side		Doors	ear jack			HUP ² Last Floor												
								٦	elescopic (Doors		Central [Doors HH		Reduced			Reduced								
	1		Q	AC	FC	PL	No. of	AH^1	FH ¹	TT	NN	AH ¹	FH ¹	Std.	With	Without	Std.	Without								
	Ė	Persons	Load	Width	Depth	Clear opening	entrances	Width	Depth			Width	Depth		safety space	safety space (EN 81-21)		safety space (EN 81-21)								
							1	1,300	1,450		Χ	1,200	1,705				3,520									
		4	320 kg	825	1,100	700	2 x 180 ⁰	1,300	1,500		Χ							3,520								
							2 x 90 ⁰	1,430	1,450		Χ															
		6	450 kg	1,000	1,250	800	1	1,475	1,600		Χ	1,350	1,855													
l	Ė	0	450 kg	1,000	1,250	800	2 x 180 ⁰	1,475	1,650		Χ		1,000	1,000	710	260		2,700								
							2 x 90 ⁰	1,605	1,600		Χ						2 2 4 0)								
		8	62010	1 100	1 400	900	1	1,575	1,700	Χ		1,350	2,005				3,340									
	İĖ	ð	630 kg	1,100	1,400	800	2 x 180 ⁰	1,575	1,850	Χ																
							2 x 90 ⁰	1,730	1,700	Χ																

- $1\,$ Automatic doors projecting 60 mm on the landing (TT or HH) or projecting 105 mm on the landing (NN) (always adapted to space 50 mm).
- 2 HUP minimum for internal car height (HC) of 2100 mm.

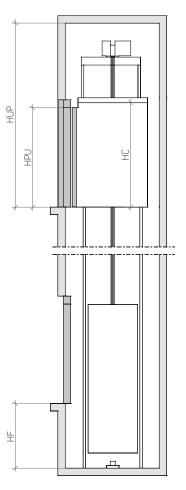
NOTE: All of the examples are calculated with a 90 mm sill on car doors.

- TT Two panel telescopic door
- NN Three panel telescopic door
- HH Four panel central door
- * Minimum plumb measurements

Layout



VERTICAL SECTION



						8	8	8	7	7								1,400					
						8	8	8	7	7								1,350					
					8	8	8	7	7	6	6							1,300					
				8	8	8	7	7	6	6								1,250					
			8	8	8	7	7	6	6	6	5	5	5	4	4			1,200					
	8	8	8	8	7	7	6	6	6	5	5	5	4	4	4			1,150					
8	8	8	8	7	7	6	6	6	5	5	5	4	4	4	4			1,100					
8	8	8	7	7	6	6	6	5	5	5	5	4	4	4				1,050					
8	7	7	7	6	6	6	5	5	5	5	4	4	4					1,000					
	7	7	6	6	6	5	5	5	5	4	4	4	4	3	3	3	2	950					
	6	6	6		5	5	5	5	4	4	4	4	3	3	3	3	2	900					
	6	6			5	5	5	4	4	4	4	3	3	3	3	2	2	850					
					5	4	4	4	4	4	3	3	3	3	2	2	2	800					
					4	4	4	4	4	3	3	3	3	2	2	2		750					
					4	4	4	4	3	3	3	3	2	2	2			700					
					4	4	4	3	3	3	3	2	2	2				650					
						3	3	3	3	2	2	2	2					600					
50*	1,400	1 350	1 300	1 250	1 200	1 150	1 100	1.050	1 000	950	900	850	800	750	700	650	600		500	600	700	800	90

Car depth Clear door opening

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

^{*} Car depth only valid in the event of side car frame.