



Machine-room-less electrical gearless solutions (MRLG)

High efficiency for residential and public buildings for medium traffic.
Optimum use of space and latest direct drive (gearless) technology.
The standard solution.
Latest technology, affordable and functional.

General specifications

Load	630 kg
Capacity	8 persons
Speed	1 m/s
Maximum travel	12 m
Entrances	1 front / 2 open through / 2 front & side
Drive system	Direct gearless (180 connections / hour)
Controller	ARCA III controller, low energy microprocessor
Door types	Automatic side-opening / Automatic central-opening
Clear door opening	900
Door height	2,000 / 2,100
Car dimensions Internal	Standard car dimensions
car height	2,100 / 2,200
Aesthetic solutions	Refer Orona Aesthetic Solutions

Standard Optional

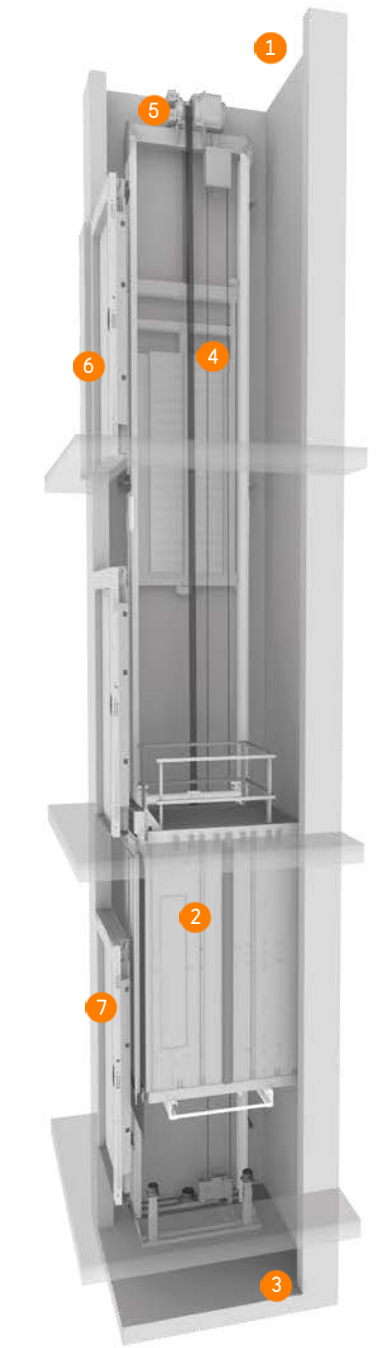
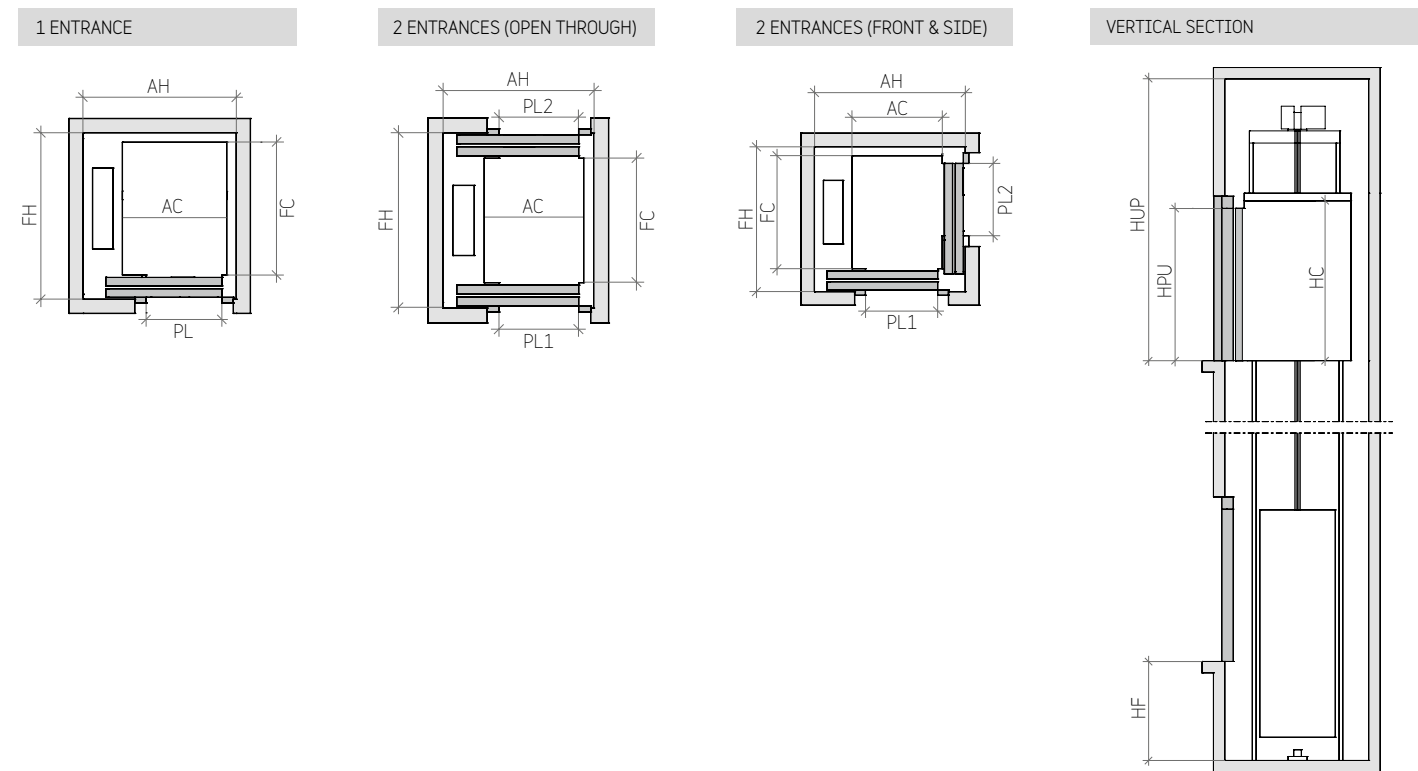
Standard dimensions*

Load / capacity	Car				Lift shaft							
					Side-opening doors		Central-opening doors			HF Pit	HUP Last Floor	
	Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances		AH ¹ Width	FH Depth			AH Width
8						630 kg	1,100			1,400	900	
	2 x 180 ⁰	1,950	1,810									
	2 x 90 ⁰	1,820	1,820									

- 1 Accessible space below the pit (counterweight with safety gear) add 50 mm to AH
- 2 HF reduced pit optional 850mm (subject to SAFEWORK SA application)

- 3 HUP minimum for internal car height (HC) of 2,100 mm (HUP = HC + 1,500)
HUP reduced headroom optional only for 6 and 8 persons (HUP = HC + 900) (subject to SAFEWORK SA application)
- * This information is not contractually binding and is subject to the conditions of the shaft

Layouts



1 MRL

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



2 OPTIMISED PASSENGER UNIT

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



3 ACCESSIBLE SPACE BELOW THE PIT

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



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.



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.



7 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.

