MB-15

Machine-room-less electrical gearless solutions (MRLG)

High efficiency for residential and public buildings.
Optimum use of space and latest direct drive (Gearless) technology.
The customised solution. Maximum flexibility and performance.

GENERAL SPECIFICATIONS

Load	320 to 1,000 kg
Capacity	4 to 13 persons
Speed	1 - 1.6 m/s
Maximum travel	50 - 60 m
Maximum floors served	16 – 21 floors
Entrances	1 front - 2 open through
Drive system	Direct gearless
Controller	ARCA II controller, low energy microprocessor
Door types	Automatic side-opening - Automatic central-opening
Clear door opening	From 600 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	MBR1 - MBR2 - MBR3 - MBR4 - MBS1 - MBS2 - MBS3 - MB Plus

Standard Optional

1 Drive

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

2 Doors

Compact permanent magnet motor for quick, 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.

3 Parametric / Flexible

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

4 Accessible space bellow 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 maximum safety and protection for maintenance staff.

6 Traction ropes

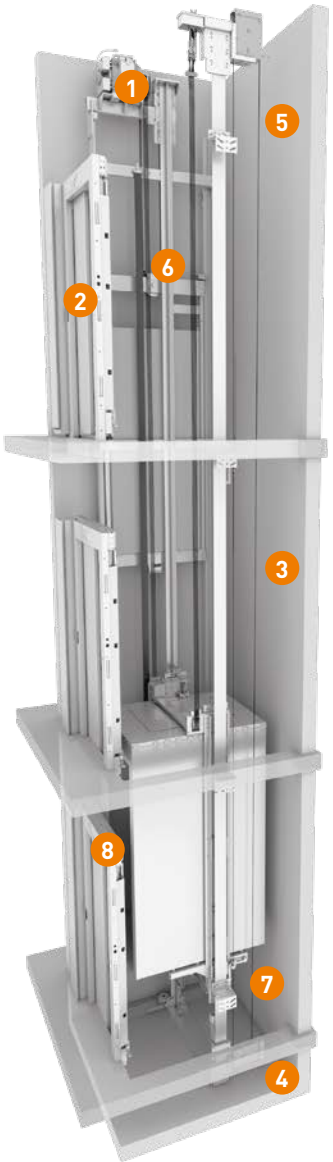
Orona small diameter ropes replace traditional steel ropes. As a result of their lighter weight, longer lifespan and greater flexibility, it is possible to use a more compact, efficient and eco-friendly gearless machine.

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.



Ecoefficiency Adaptability Design and accessibility Control and Safety

STANDARD DIMENSIONS

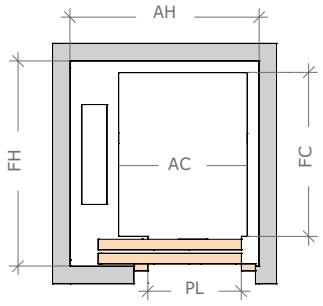
Load / Capacity			Car			Lift shaft *							
						Entrances		Side-opening doors		Central-opening doors			
Speed	Persons	Q Load	AC Width	FC Depth	PL Clear opening	Accessibility	No. of entrances	AH[1] Width	FH[2] Depth	AH Width	FH[3] Depth	HF Pit	HUP Last Floor
1 m/s	4	320 kg	825	1,100	700		1	1,300	1,350			1,000 (830)[4]	3,400 (3,050)[5]
							2 x 180°		1,500				
	6	450 kg	1,000	1,250	800	♿	1	1,450	1,500	1,725	1,450		
							2 x 180°		1,650		1,550		
	8	630 kg	1,100	1,400	900		1	1,600	1,675	1,925	1,625		
							2 x 180°		1,850		1,750		
	10	800 kg	1,350	1,400	900		1	1,825	1,675	1,925	1,625		
							2 x 180°		1,850		1,750		
	13	1,000 kg	1,600	1,400	1,000		1	2,075	1,675	2,150	1,625		
							2 x 180°		1,850		1,750		
			1,100	2,100	1,000		1	1,775	2,375	2,125	2,300		
							2 x 180°		2,550		2,400		
1.6 m/s	4	320 kg	825	1,100	700		1	1,325	1,350			1,120	3,550
							2 x 180°		1,500				
	6	450 kg	1,000	1,250	800	♿	1	1,475	1,500	1,725	1,450		
							2 x 180°		1,650		1,550		
	8	630 kg	1,100	1,400	900		1	1,625	1,675	1,925	1,625		
							2 x 180°		1,850		1,750		
	10	800 kg	1,350	1,400	900		1	1,850	1,675	1,925	1,625		
							2 x 180°		1,850		1,750		
	13	1,000 kg	1,600	1,400	1,000		1	2,100	1,675	2,175	1,625		
							2 x 180°		1,850		1,750		
			1,100	2,100	1,000		1	1,775	2,375	2,125	2,300		
							2 x 180°		2,550		2,400		

1. Accessible space below the pit (counterweight with safety gear) add 115 mm to AH.
2. Shaft depth with door tracks projecting 60 mm on the landing.
3. Shaft depth with door tracks projecting 40 mm on the landing.
4. HF reduced pit optional 830 mm.
5. HUP reduced headroom optional. Consult availability of car dimensions.

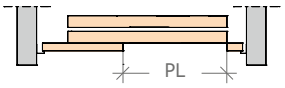
* Minimum plumb measurements.

LAYOUT

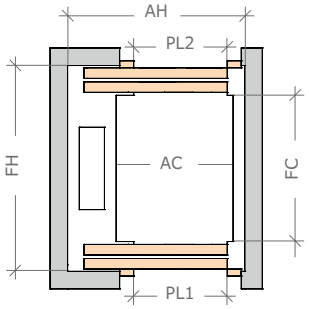
1 Entrance



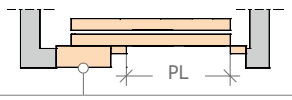
Wide-framed door detail



2 Entrances (open through)

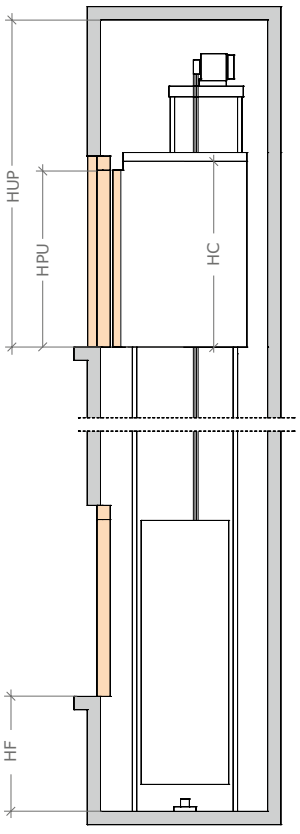


Controller detail



Controller at the top floor:
277 x 152 mm
Flexible location optional

Vertical section



CUSTOMISED CAR DIMENSIONS

							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	13	12	11	10	9	9	8		6	1,200												
13	13	12	11	11	10	9	8	8	7	6	5	1,100												
12	12	11	10	10	9	8	7	7	6	5	5	1,000												
11	10	10	9	8	8	7	7	6	5	5	4	900												
						6	6	5	5	4	4	800												
FC	2,100	2,000	1,900	1,800	1,700	1,600	1,500	1,400	1,300	1,200	1,100	1,000	AC	600	700	800	900	1,000	1,100	1,200	1,300	1,400	1,500	PL

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