

MB-14

















Machine-room-less electrical gearless solutions (MRLG)

Compact machine-room-less solutions mainly designed for existing buildings.
Latest direct drive technology.
The customised solution with maximum flexibility.

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 & 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 - 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 MRL**  
Compact machine-room-less solution.
- 2 Optimised passenger unit**   
Saves space, reduces weight, improves safety, and improves the installation process.
- 3 Accessible space bellow 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 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.
- 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.



STANDARD DIMENSIONS

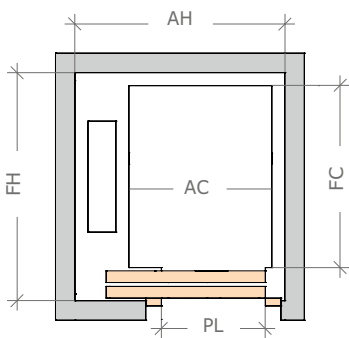
Load / Capacity		Car			Lift shaft *							
					Entrances		Side-opening doors		Central-opening doors		HF Pit	HUP ⁵ Last Floor
Persons	Q Load	AC Width	FC Depth	PL Clear opening	Accessibility	No. of entrances	AH ¹ Width	FH ² Depth	AH Width	FH ³ Depth		
4	320 kg	825	1,100	700		1	1,325	1,350	1,600	1,300		
						2 x 180°		1,500		1,400		
						2 x 90°	1,450	1,350				
6	450 kg	1,000	1,250	800	♿	1	1,500	1,500	1,800	1,450		
						2 x 180°		1,650		1,550		
						2 x 90°	1,625	1,500				
8	630 kg	1,100	1,400	900	♿	1	1,600	1,650	2,000	1,600	1,000 (850) ⁴	3,400
						2 x 180°		1,800		1,700		
						2 x 90°	1,725	1,650				
		♿	1	1,700	1,500	2,000	1,450					
			2 x 180°		1,650		1,550					
			2 x 90°	1,825	1,575							

1. Accessible space below the pit (counterweight with safety gear) add 50 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.

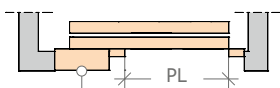
4. HF reduced pit optional 850 mm.
 5. HUP minimum for internal car height (HC) 2,100 mm (HUP = HC + 1,300).
- * Minimum plumb measurements.

LAYOUT

1 Entrance

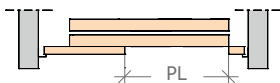


Controller detail

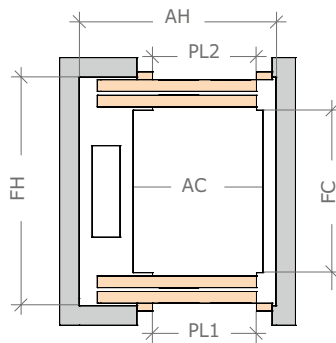


Controller at the top floor:
420 x 165 mm
Flexible location optional

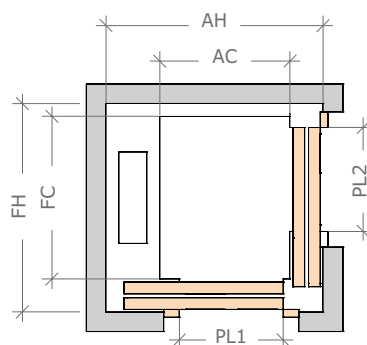
Wide-framed door detail



2 Entrances (open through)



2 Entrances (front & side)



Vertical section

