


MB-16

Machine-room-less electrical gearless solutions (MRLG)

High efficiency for public buildings. Maximum reliability. The solution with maximum robustness and comfort for the most demanding environments and specifications.


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	Direct gearless
Controller	ARCA II controller, low energy microprocessor
Door types	Automatic side-opening - Automatic central-opening
Clear door opening	From 800 to 1,600 mm (in 100 mm increments)
Door height	2,000 mm - 2,100 - 2,200 - 2,300 mm
Car dimensions	Parametric car dimensions
Internal car height	2,100 mm - 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. Solid doors**





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



 Provides greater comfort during lift travel, with reduced vibration and noise.
- 6. Traction ropes**

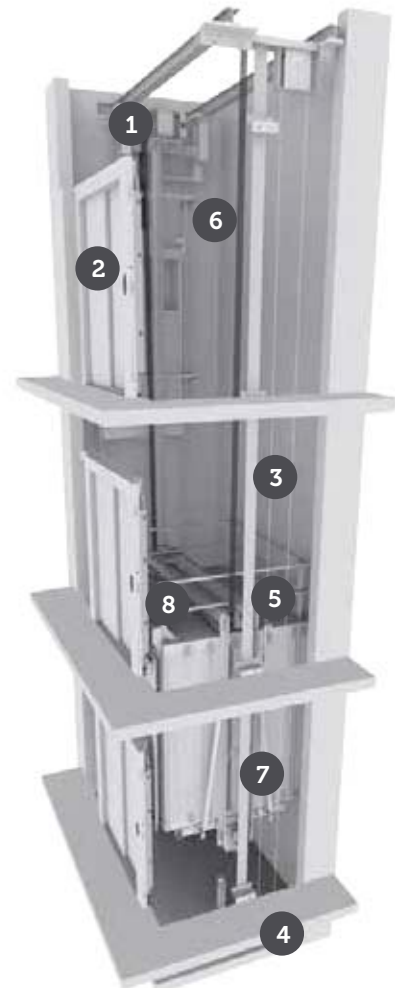


 Small diameter ropes replace traditional steel ropes. As a result of their lighter weight, longer lifespan and greater flexibility, it is possible to use a more compact, efficient and eco-friendly gearless machine.
- 7. Cars**



 Reinforced wall panels and flooring provides durability for heavy duty usage. Flexible configurations offering optimum car and door dimensions.
- 8. Automatic rescue system**



 With floor level indication to ensure fast, efficient and safe evacuation of passengers in the event of an emergency. The system incorporates a fully-automatic rescue device to evacuate passengers in the event of a power failure.



STANDARD DIMENSIONS

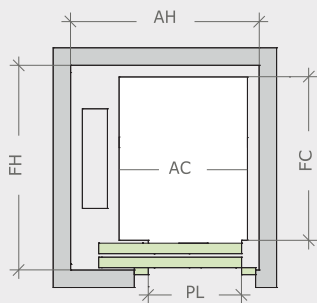
Load/Capacity		Car					Lift shaft *						
							Entrances	Side-opening doors	central-opening doors				
Speed	Accessibility	Persons	Q Load	AC Width	FC Depth	PL Clear opening	No. of entrances	AH ¹ Width	FH ² Depth	AH Width	FH ³ Depth	HF Pit	HUP ⁴ Last Floor
1 m/s	[Accessibility Icon]	8	630 kg	1,100	1,400	900	1	1,700	1,675	1,950	1,625	1,050	3,550
		10	800 kg	1,350	1,400	900	2 x 180°	1,750	1,850				
		13	1,000 kg	1,600	1,400	1,000	1	1,975	1,675				
	[Wide Frame Accessibility Icon]	17	1,275 kg	1,400	2,000	1,100	1	2,225	1,675	2,225	1,625		
			2,375	2,550	1,750								
		21	1,600 kg	1,600	2,000	1,000	2 x 180°	1,775	2,350	2,250	2,350		
1.6 m/s	[Accessibility Icon]	8	630 kg	1,100	1,400	900	1	1,725	1,675	1,950	1,625	1,200	3,700
		10	800 kg	1,350	1,400	900	2 x 180°	1,975	1,850				
		13	1,000 kg	1,600	1,400	1,000	1	2,225	1,675				
	[Wide Frame Accessibility Icon]	17	1,275 kg	1,400	2,000	1,100	1	2,200	2,375	2,200	2,300		
			2,550	2,450	2,350								
		21	1,600 kg	1,600	2,000	1,000	2 x 180°	1,775	2,350	2,250	2,350		
[Wide Frame Accessibility Icon]	21	1,600 kg	1,600	2,400	2,400	1,200	1	2,085	2,700			1,250	3,750
				2,850	2,700	2,850							

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.

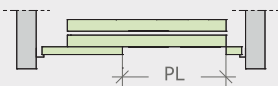
3. Shaft depth with door tracks projecting 40 mm on the landing.
 4. HUP minimum for internal car height (HC) 2,100 mm.
- * Minimum plumb measurements.

LAYOUT

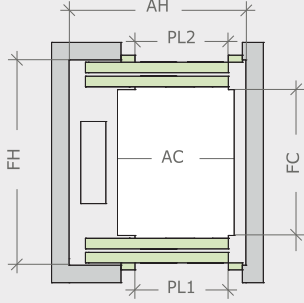
1 Entrance



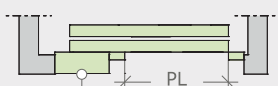
Wide-framed door detail



2 Entrances (open through)

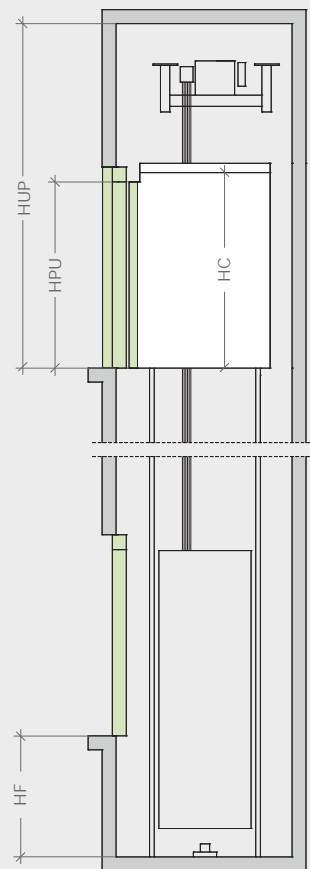


Controller Detail



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

Vertical section



CUSTOMISED CAR DIMENSIONS

							21	20	18		2,100														
							21	20	18	17	2,000														
							21	20	19	17	1,900														
							21	20	19	18	1,800														
							21	20	19	18	1,700														
							21	21	19	18	1,600														
							21	20	19	18	1,500														
							21	20	19	18	1,400														
							21	20	19	18	1,300														
							21	20	19	18	1,200														
							21	20	19	18	1,100														
							21	20	19	18	1,000														
							21	20	19	18	900														
							21	20	19	18															
FC	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	AC	800	900	1,000	1,100	1,200	1,300	1,400	1,500	1,600	PL

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