MB-11

Machine-room-less electrical gearless solutions (MRLG)

Compact machine-room-less solutions mainly designed for existing buildings.
Latest direct drive technology for measurements on headroom 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 & 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 mm
Car dimensions	Parametric car dimensions
Internal car height	2,100 - 2,200 mm
Aesthetic solutions	* MBR1 - MBR2 - MBR3 - MBR4 - MBS1 - MBS2 - MBS3 - MB Plus

Standard Optional * Limited lighting

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 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.

Ecoefficiency Adaptability Design and accessibility Control and Safety

STANDARD DIMENSIONS

Load / Capacity			Lift shaft*													
			Standard car				Doors side jack				Doors rear jack		**HF** Pit			**HUP**[2] Last Floor	
							Telescopic Doors				Central Doors HH		Std.	Reduced		Std.	Reduced
	Persons	**Q** Load	**AC** Width	**FC** Depth	**PL** Clear opening	Entrances	**AH**[1] Width	**FH**[1] Depth	**TT**	**NN**	**AH**[1] Width	**FH**[1] Depth		With safety cube	Without safety cube (EN 81-21)		Without safety cube (EN 81-21)
	4	320 kg	825	1,100	700	1	1,150	1,460		X	1,190	1,580	1,000	710	260	3,450	2,700
						2 x 180⁰	1,150	1,720		X							
						2 x 90⁰	1,280	1,460		X							
	6	450 kg	1,000	1,250	800	1	1,355	1,610		X	1,340	1,760					
						2 x 180⁰	1,355	1,860		X							
						2 x 90⁰	1,485	1,610		X						3,275	
	8	630 kg	1,100	1,400	800	1	1,455	1,670	X		1,340	1,910					
						2 x 180⁰	1,455	1,840	X								
						2 x 90⁰	1,610	1,670	X								

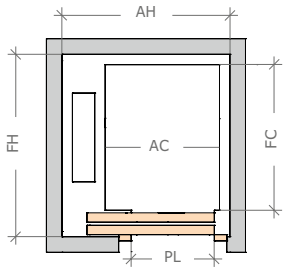
1. Automatic doors projecting 60 mm on the landing (TT or HH) or projecting 105 mm on the landing (NN) (always adapted to space 50 mm).
2. HUP minimum for internal car height (HC) 2,100 mm.

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

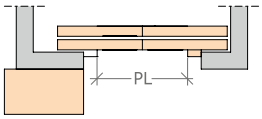
TT - Two panel telescopic door
NN - Three panel telescopic door
HH - Four panel central door
*Minimum plumb measurements.

LAYOUT

1 Entrance

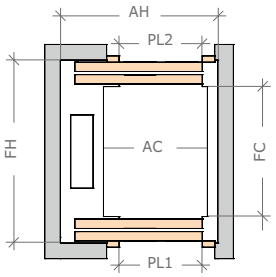


Controller detail

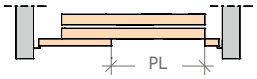


Controller at the top floor:
700 x 400 mm
Flexible location optional

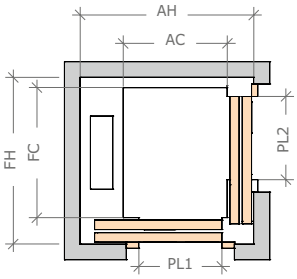
2 Entrances (open through)



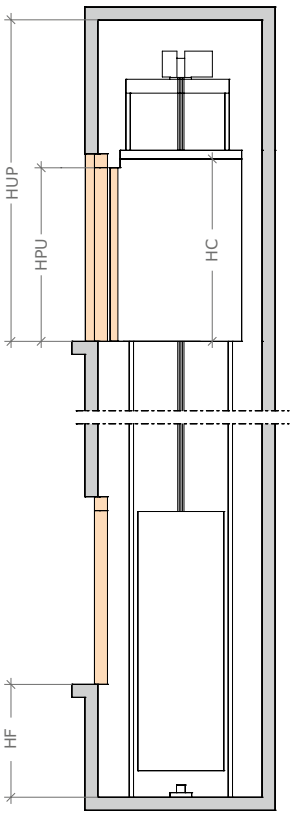
Wide-framed door detail



2 Entrances (front & side)



Vertical section



CUSTOMISED CAR DIMENSIONS

						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					
1,450*	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	**AC**	500	600	700	800	900
FC																							**PL**

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.