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.

TIONS
630 to 1,600 kg
8 to 21 persons
1 - 1.6 m/s
50 - 75 m
32 floors
1 front - 2 open through
Direct gearless
ARCA II controller, low energy microprocessor
Automatic side-opening - Automatic central-opening
From 800 to 1,600 mm (in 100 mm increments)
2,000 - 2,100 - 2,200 - 2,300 mm
Parametric car dimensions
2,100 - <mark>2,200 - 2,300 - 2,400</mark> mm
MBR1 - MBR2 - MBR3 - MBR4 - MBS1 - MBS2 - MBS3 - MB Plus

Standard Optional





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

Solid doors





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

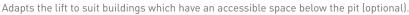
Parametric / Flexible



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

Accessible space bellow the pit





Robust lift car





Provides greater comfort during lift travel, with reduced vibration and noise.

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.

Cars



Reinforced wall panels and flooring provides durability for heavy duty usage. Flexible configurations offering optimum car and door dimensions.

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

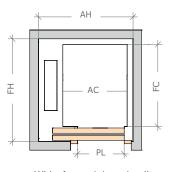
	1 1 / 0				Con		Lift shaft *											
Load / Capacity					Car		Entrances	Side-oper	ning doors	Central-op	ening doors							
Speed	Accessibility	Persons	Q Load	AC Width	FC Depth	PL Clear opening	No. of entrances	AH ¹ Width	FH ² Depth	AH Width	FH ³ Depth	HF Pit	HUP ⁴ Last Floor					
	(j.)	8	630 kg	1,100	1,400	900	2 x 180°	1,700	1,675 1,850	1,950	1,625 1,750							
		10	800 kg	1,350	1,400	900	2 x 180°	1,975	1,675 1,850	1,975	1,625 1,750	1.050	0.550					
			10	1 000 1	1,600	1,400	1,000	2 x 180°	2,225	1,675 1,850	2,225	1,625 1,750	1,050	3,550				
1 m/s		13	1,000 kg	1,100	2,100	1,000	2 x 180°	1,775	2,375 2,550									
		17	1,275 kg	1,200	2,300	1,100	2 x 180°	1,935	2,600 2,750									
	(ii.j	0.4	4 (00)	1,700	1,950	1,000	2 x 180°			2,450	2,200 2,300	1,150	3,600					
		21	1,600 kg	1,400	2,400	1,200	2 x 180°	2,085	2,700 2,850									
		8	630 kg	1,100	1,400	900	2 x 180°	1,725	1,675 1.850	1,950	1,625 1,750							
	jė	10	800 kg	1,350	1,400	900	2 x180°	1,975	1,675 1.850	1,975	1,625 1,750	1 000	0.700					
		10	1 000 1	1,600	1,400	1,000	2 x 180°	2,225	1,675 1.850	2,225	1,625 1,750	1,200	3,700					
1.6 m/s		13	1,000 kg	1,100	2,100	1,000	2 x 180°	1,775	2,375 2,550									
		17	1,275 kg	1,200	2,300	1,100	2 x 180°	1,935	2,600 2,750									
	(iiėi)	0.1	1 /00 !	1,700	1,950	1,000	1 2 x 180°			2,450	2,200 2,300	1,250	3,750					
		21	1,600 kg	1,400	2,400	1,200	2 x 180°	2,085	2,700 2,850									

^{1.} Accessible space below the pit (counterweight with safety gear) add 50 mm to AH.

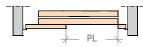
- 2. Shaft depth with door tracks projecting 60 mm on the landing.
- 3. Shaft depth with door tracks projecting 40 mm on the landing.
- 4. HUP minimum for internal car height (HC) 2,100 mm.
- * Minimum plumb measurements.

LAYOUT

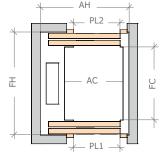
1 Entrance



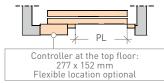
Wide-framed door detail



2 Entrances (open through)



Controller detail



CUSTOMISED CAR DIMENSIONS

_	2 500	2 /00	2 200	າ າດດ	2 100	10 2,000	1000	9	8	8	1 500	1 /00	1 200	1 200	900	800	000	1 000	1 100	1 200	1 200	1,400	1 500	1 / 01
					12	12	11	10	10	9	8				1,000									
			15	14	13	13	12	11	11	10	9	8	8		1,100									
	19	18	17	16	15	14	13	13	12	11	10	9	9	8	1,200									
	20	19	18	17	16	16	15	14	13	12	11	10	9	8	1,300									
	21	21	20	19	18	17	16	15	14	13	13	12	11	10	1,400									
			21	21	19	18	17	17	15	14	13	13	11		1,500									
					21	21	19	18	16	15	14	13	12		1,600									
						21	20	19	18	16	15	14			1,700									
							21	20	19	18	16	15			1,800									
								21	20	19	17	16			1,900									
									21	20	18	17			2,000									
										21	20	18			2,100									

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

Vertical section

