

Flex

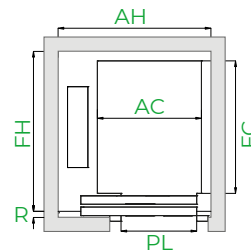
Designed to maximise shaft efficiency

Finite space, infinite solutions

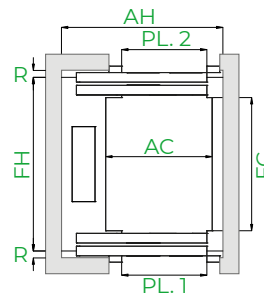
General Specifications

Load	180 to 630 kg 180 to 450 kg (single-phase)
Capacity	2 to 8 persons 2 to 6 persons (single-phase)
Speed	1 m/s / 0.6 m/s (single-phase)
Maximum Travel	45 m / 25 m (single-phase)
Maximum Floors Served	16 Floors
Machine-room Option	Yes
Entrances	1 Front 2 Open through 2 Front & side
Drive System	Regulated gearless (180 stars per hour)
Controller	ARCA III controller, low energy consumption multiprocessor
Door Types	Automatic side-opening / Automatic centre-opening / Semi-automatic + hinged (BUS)
Clear door opening	From 500 to 900 mm
Door Height	2,000 / 2,100 / 2,200 mm
Car Dimensions	Parametric
Internal Car Height	2,100 / 2,300 mm
Power Supply	Three-phase / Single-phase

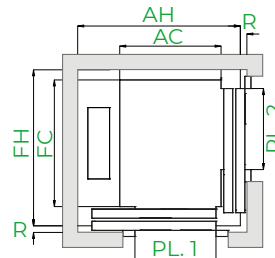
1 Entrance



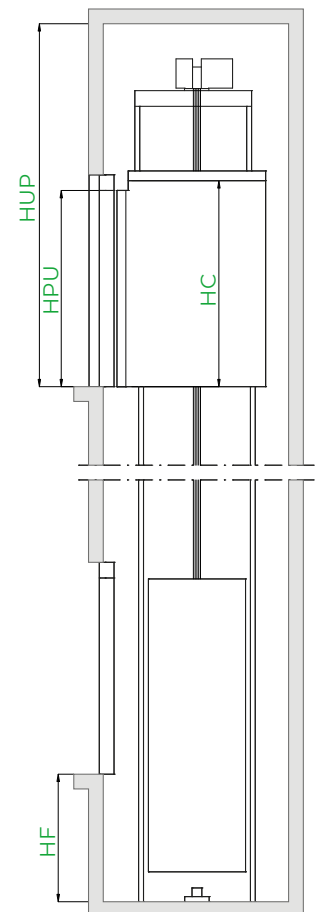
2 Entrances (open through)



2 Entrances (front & side)



Vertical section



*Note: The diagrams are for guidance only.



Customised solution, examples of dimensions*

Load / Capacity			Car (mm)		Entran-ces	Lift Shaft ^o (mm)				HF Pit			HUP ⁴ Headroom			
						Side coun-terweight		Rear coun-terweight		Std.	Reduced		Std. ⁴	Reduced		
Accessi-bility	n ^o Per-sons	Q Load	AC Width	FC Depth	PL ⁵ Clear opening	No. of entran-ces	Side-opening doors		Central-opening doors		With safety space	With safety space (EN 81-21) ⁵		With safety space	With safety space (EN 81-21)	
							AH ¹ Depth	FH ² Fondo	AH ³ Width	FH ² Depth						
-	4	320 kg	825	1,100	700	1	1,150	1,300	1,150	1,525	1,000	890 (830)**	400 (310)**	3,400	3,000**	2,600**
						2x180°	1,150	1,450	-	-						
						2x90°	1,250	1,300	1,200	1,525						
♿	6	450 kg	1,000	1,250	800	1	1,325	1,450	1,300	1,675						
-						2x180°	1,325	1,600	-	-						
						2x90°	1,425	1,450	1,400	1,675						
♿	8	630 kg	1,100	1,400	900	1	1,425	1,600	1,450	1,825						
-						2x180°	1,425	1,750	-	-						
						2x90°	1,525	1,600	1,500	1,825						
♿			1,200	1,250	900	1	1,525	1,450	1,450	1,830						
-						2x180°	1,525	1,600	-	-						
						2x90°	1,625	1,450	1,500	1,830						

o Minimum plumb measurements.

1 Accessible space below the pit (fall arrester on counterweight) or reduced pit without safety space: add 40 mm to AH. AH calculated for 3-panel telescopic doors.

2 Shaft depth with the doors fully supported by the landing slab.

3 Calculated width with central 4-panel doors.

4 HUP minimum for internal car height (HC) of 2100 mm.

5 There may be door constraints for a pit without a safety space (EN 81-21).

* The information is not contractually binding and is subject to the conditions of the shaft

** Consult technical data

Customised car dimensions

Car width

						8	8	8	7	7	6					1,400				
						8	8	8	7	7	6	6	5			1,350				
				8	8	8	8	7	7	6	6	6	5			1,300				
			8	8	8	7	7	7	7	6	6	5	5			1,250				
			8	8	8	7	7	7	6	6	5	5	5			1,200				
		8	8	8	7	7	7	6	6	5	5	5	5	4		1,150				
8	8	8	7	7	7	6	6	5	5	5	5	5	4	4		1,100				
8	8	7	7	7	6	6	5	5	5	5	5	4	4	4	3	1,050				
8	7	7	6	6	6	5	5	5	5	5	4	4	4	4	3	1,000				
7	7	6	6	6	5	5	5	5	5	4	4	4	4	3	3	950				
6	6	6	6	5	5	5	5	4	4	4	4	4	3	3	3	900				
6	6	5	5	5	5	5	4	4	4	4	4	3	3	3	3	850				
5	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	800				
5	5	5	5	4	4	4	4	4	3	3	3	3	3	3	2	750				
5	5	4	4	4	4	4	4	3	3	3	3	3	2	2	2	700				
4	4	4	4	4	4	3	3	3	3	3	3	2	2	2	2	650				
4	4	4	3	3	3	3	3	3	3	2	2	2	2	2	2	630				
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	mm	500	600	700	800	900

Car depth

Clear door opening



1



MRL
Machine-room-less solution, with a reduced headroom as an option.



2



Optimised passenger unit
Saves space and reduces weight, providing safety, ergonomics and speed during assembly processes.



3



Accessible space below the pit
Adapts the lift to suit buildings requiring an accessible space below the pit..



4



Reduced top floor
Adaptable to buildings requiring a reduced top floor.



5



Drive
Compact, quiet, gearless, energy-efficient, inverter-drive permanent-magnet motor electrical machine.



6



Two-way communication
Between the car and the 24-hour Service Call Centre, in line with EN 81-28.



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.



8



Shaft usability
Lifts designed especially to use all the shaft space available especially in existing buildings, obtaining a good relation between the space available and the number of passengers to be transported.

