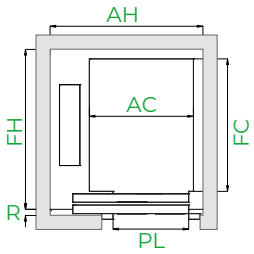
Flex
Designed to maximise shaft efficiency

Finite space, infinite solutions

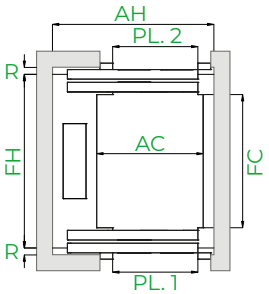
General Specifications

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

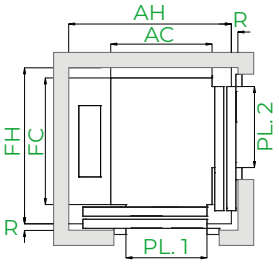
1 Entrance



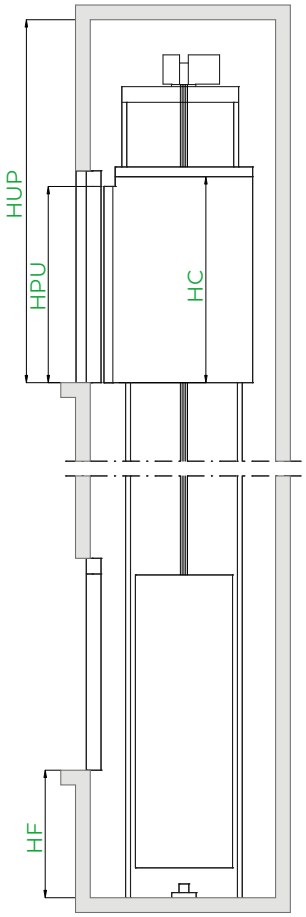
2 Entrances (open through)



2 Entrances (front & side)



Vertical section



*Note: The diagrams are for guidance only.

Standard Optional

Customised solution, examples of dimensions*

Load / Capacity			Lift Shaft° (mm)											
			Car (mm)			Entrances	Side counterweight		Rear counterweight		HF Pit		HUP[4] Headroom		
							Side-opening doors		Central-opening doors		Std.	Reduced	Std.[4]	Reduced	
Accessibility	Persons	Q Load	AC Width	FC Depth	PL[5] Clear opening	No. of entrances	AH[1] Depth	FH[2] Fondo	AH[3] Width	FH[2] Depth		With safety space		With safety space	With safety space (EN 81-21) s
-	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°		1,450	-	-						
						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°		1,600	-	-						
-						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°		1,750	-	-						
-						2x90°	1,525	1,600	1,500	1,825						
			1,200	1,250	900	1	1,525	1,450	1,450	1,830						
						2x180°		1,600	-	-						
-						2x90°	1,625	1,450	1,500	1,830						

0 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	7	7	6	6	6	5			1,300					
			8	8	8	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	4	4		1,100					
8	8	7	7	7	6	6	5	5	5	5	4	4	4	3	1,050					
8	7	7	6	6	6	5	5	5	5	4	4	4	4	3	1,000					
7	7	6	6	6	5	5	5	5	4	4	4	4	3	3	950					
6	6	6	6	5	5	5	5	4	4	4	4	3	3	3	900					
6	6	5	5	5	5	5	4	4	4	4	3	3	3	3	850					
5	5	5	5	5	5	4	4	4	4	3	3	3	3	3	800					
5	5	5	5	4	4	4	4	3	3	3	3	3	3	2	750					
5	5	4	4	4	4	4	3	3	3	3	3	2	2	2	700					
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	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.eléctrico.

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.

Eco-efficiency Adaptability Design and accessibility Control and safety