

# Flex

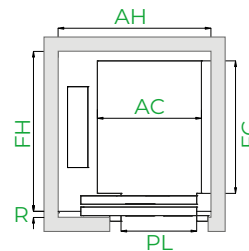
## Designed to maximise shaft efficiency

Finite space, infinite solutions

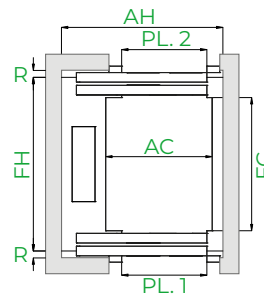
### General Specifications

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

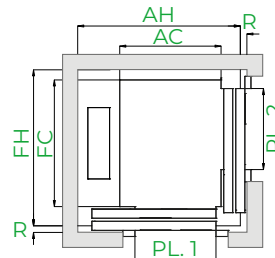
#### 1 Entrance



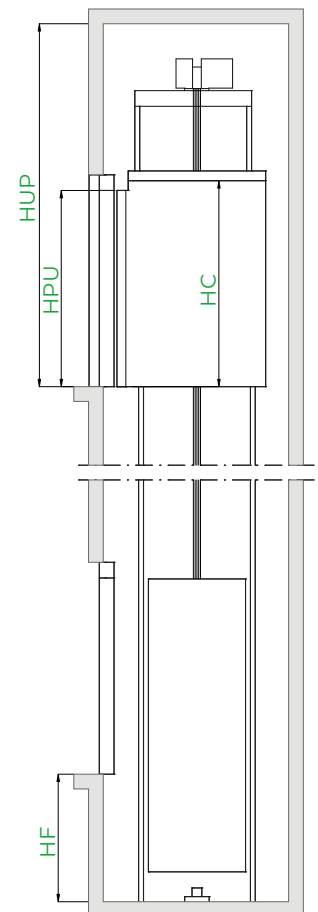
#### 2 Entrances (open through)



#### 2 Entrances (front & side)



#### Vertical section



\*Note: The diagrams are for guidance only.



### Customised solution, examples of dimensions\*

Load / Capacity			Lift Shaft <sup>o</sup> (mm)											HF Pit			HUP <sup>4</sup> Headroom		
			Car (mm)			Entrances	Side counterweight		Rear counterweight		Std.	Reduced		Std. <sup>4</sup>	Reduced				
Accessi- bility	Per- sons	Q Load	AC Width	FC Depth	PL <sup>5</sup> Clear open- ing		No. of entrances	Side- opening doors	Central-opening doors	With safety space		With safety space (EN 81-21) <sup>5</sup>	With safety space		With safety space (EN 81-21)				
						AH <sup>1</sup> Depth		FH <sup>2</sup> Fondo	AH <sup>3</sup> Width		FH <sup>2</sup> Depth								
-	4	320 kg	825	1,100	700	1	1,180	1,300	1,200	1,505	1,000	890 (830)**	400 (310)**	3,400	3,000**	2,600**			
						2x180°	1,390	-	-										
						2x90°	1,230	1,300	1,200	1,505									
♿	6	450 kg	1,000	1,250	800	1	1,335	1,445	1,340	1,655									
						2x180°	1,540	-	-										
-						2x90°	1,405	1,445	1,340	1,655									
♿	8	630 kg	1,100	1,400	900	1	1,435	1,600	1,490	1,805									
						2x180°	1,690	-	-										
-							2x90°	1,505	1,600	1,490							1,805		
♿					1,200	1,250	900	1	1,535	1,445							1,490	1,655	
			2x180°	1,540				-	-										
-						2x90°	1,605	1,445	1,490	1,655									

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 NN 3-panel telescopic doors.

2 Shaft depth with the doors fully supported by the landing slab. Narrow mouthpiece bottom. In the case of NN, doors with narrow treads.

3 Calculated width with central 2-panel doors. Narrow mouthpiece bottom in the first shipment.

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	5									1,300
			8	8	8	7	7	7	6	6	5	5	5									1,250
		8	8	8	7	7	7	7	6	6	5	5	5									1,200
	8	8	8	7	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	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	4	3	3	3	3	3	3	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.



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.

