

Essentia

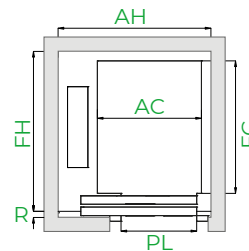
Functionality & comfort within your reach.

Our best-selling solution.

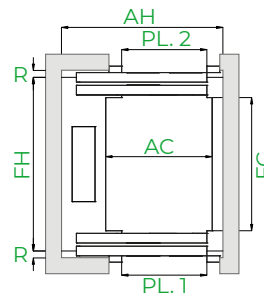
General Specifications

Load	320 - 400 - 450 - 630 kg 320 - 450 kg (Single-phase)
Capacity	4 - 5 - 6 - 8 kg 4 - 6 persons (Single-phase)
Speed	1 m/s / 0.6 m/s (single-phase)
Maximum Travel	40 m / 25 m (single-phase)
Maximum Floors Served	14 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
Clear door opening	700 / 750 / 800 / 900 mm
Door Height	2,000 / 2,100 mm
Car Dimensions	Standard
Internal Car Height	2,100 / 2,200 mm
Power Supply	Three-phase / Single-phase

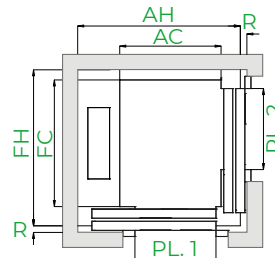
1 Entrance



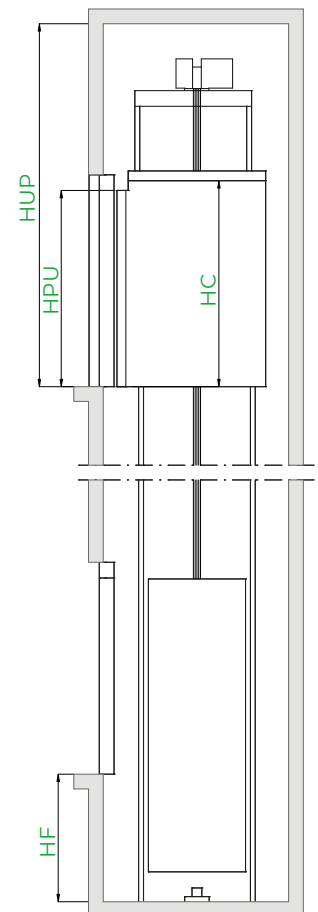
2 Entrances (open through)



2 Entrances (front & side)



Vertical section



*Note: The diagrams are for guidance only.



Standard dimensions*

Load / Capacity		Car (mm)			Lift Shaft ^o (mm)						HF Pit		HUP Head-room	
					Entrances		Two-panel side-opening doors		Two-panel centre-opening doors					
Persons	Q Load	AC Width	FC Depth	PL Clear opening	Entrances		AH ¹ Width	FH ² Depth	AH Width	FH ⁵ Depth	HF Pit	HUP Head-room		
					Accessibility	No. of entrances								
4	320 kg	825	1,100	700	-	1	1,325	1,350	1,600	1,300	1,000 (850) ⁴	3,400		
					-	2x180°		1,500		1,400				
					-	2x90°		1,450		1,350			-	-
5	400 kg	850	1,200	800	-	1	1,425	1,450	-	-	1,000 (850) ⁴	3,400		
					-	2x180°		1,600		-				
					-	2x90°		1,535		1,450			-	-
6	450 kg	1,000	1,250	800	♿	1	1,500	1,500	1,800	1,450	1,000 (850) ⁴	3,400 (3,000) ⁵⁻⁶		
					-	2x180°		1,650		1,550				
					-	2x90°		1,625		1,500			-	-
		♿	1	1,550	1,550	1,800	1,500							
		-	2x180°		1,700		1,600							
		-	2x90°		1,625		1,550	-	-					
8	630 kg	1,100	1,400	900	♿	1	1,600	1,650	2,000	1,600	1,000 (850) ⁴	3,400 (3,000) ⁵		
					-	2x180°		1,800		1,700				
					-	2x90°		1,725		1,650			-	-
		♿	1	1,700	1,500	2,000	1,450							
		-	2x180°		1,650		1,550							
		-	2x90°		1,825		1,575	-	-					

o Minimum plumb measurements.

- 1 Accessible space below the pit (Counterweight with safety gear) add 50 mm to AH.
- 2 R=60 mm, lift shaft depth with 2-panel side-opening doors, resting 60 mm on the landing.
- 3 R=40 mm, lift shaft depth with 2-panel centre-opening doors, resting 40 mm on the landing.

4 HF reduced pit optional 850mm.

5 Minimum HUP for internal car height (HC) of 2,100 mm. HUP reduced headroom optional only for 6 and 8 persons.

6 Except 2x90° with large-peep-hole doors.

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



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.



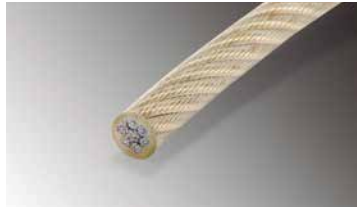
4



Two-way communication

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

5



Traction ropes

They replace traditional steel ropes. As a result of their lighter weight, longer lifespan and greater flexibility, it is possible to use a more compact machine.



6



Drive

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



7



Doors

With a compact permanent-magnet motor, which allows fast, precise and quiet opening and closing motions, raising current feature standards, with pre-opening and/or light curtain. Optional Solid Door for higher flow situations.



8



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.

