

# Essentia

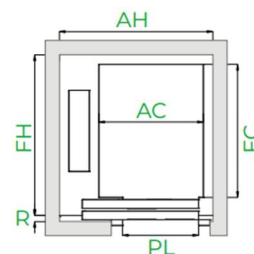
## Functionality & comfort within your reach.

Our best-selling solution.

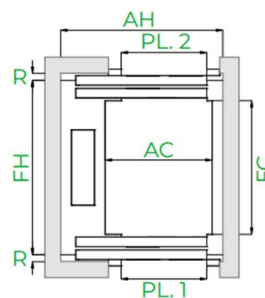
### General Specifications

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

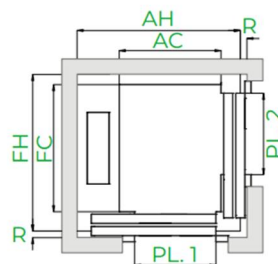
1 Entrance



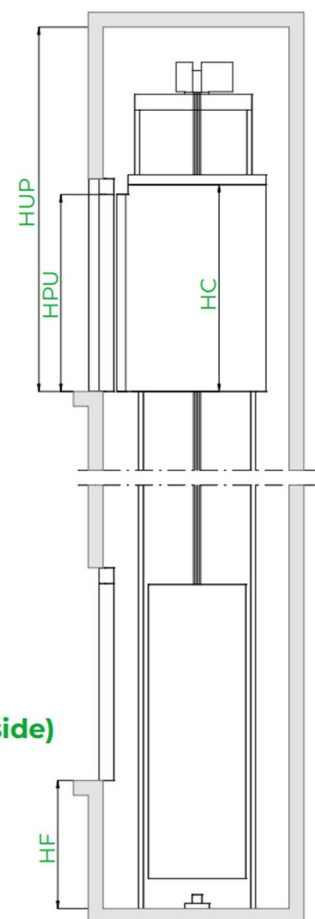
2 Entrances  
(open through)



2 Entrances (front & side)



Vertical section



\*Note: The diagrams are for guidance only.



## Standard dimensions\*

Load / Capacity		Car (mm)			Lift Shaft <sup>o</sup> (mm)						HF Pit	HUP Head-room
					Entrances		2-panel side-opening doors		2-panel centre-opening doors			
Persons	Q Load	AC Width	FC Depth	PL Clear opening	Accessibility	No. of entrances	AH <sup>1</sup> Width	FH <sup>2</sup> Depth	AH Width	FH <sup>3</sup> Depth	HF Pit	HUP Head-room
						2x180°		1,500		1,400		
						2x90°	1,450	1,350	-	-		
5	400 kg	850	1,200	800	-	1	1,370	1,450	-	-	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) <sup>4</sup>	3,400 (3,000) <sup>7</sup>
						2x180°		1,650		1,550		
			-		2x90°	1,625	1,500	-	-			
			♿		1	1,550	1,550	1,800	1,500			
			1,300			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	3,400 (3,000) <sup>5-6</sup>	
						2x180°		1,800		1,700		
		-	2x90°		1,725	1,650	-	-				
		♿	1		1,700	1,500	2,000	1,450				
		1,200	1,250			2x180°	1,650	1,550				
					-	2x90°	1,825	1,575	-	-		

<sup>o</sup> Minimum plumb measurements.

<sup>1</sup> Accessible space below the pit (Counterweight with safety gear) add 50 mm to AH.

<sup>2</sup> R=60 mm, lift shaft depth with 2-panel side-opening doors, resting 60 mm on the landing.

<sup>3</sup> R=40 mm, lift shaft depth with 2-panel central-opening doors, resting 40 mm on the landing.

<sup>4</sup> HF reduced pit optional 850 mm.

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

<sup>6</sup> For 1100 x 1400 mm cars, cases without safety room EN81-21, minimum HUP of 2500 mm internal car height (HC) of 2000 mm. Check minimum height of headroom in case of central opening doors. Not compatible with accessible space below the pit (counterweight with safety gear).

<sup>7</sup> Not available 2x90° with big doors.

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



1



**MRL**  
Machine-room-less solution, with reduced headroom (optional).



2



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



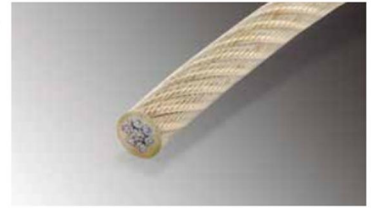
3



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



4



**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.



5



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



6



**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.



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.

