

# Essentia

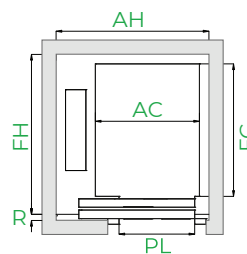
## Functionality & comfort within your reach.

Our best-selling solution.

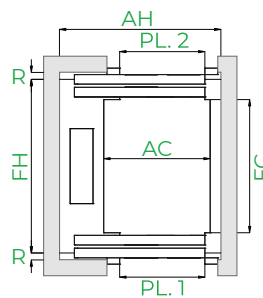
### General Specifications

<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

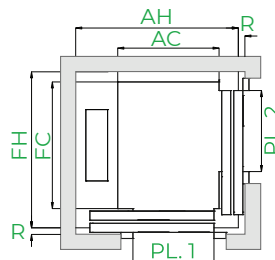
#### 1 Entrance



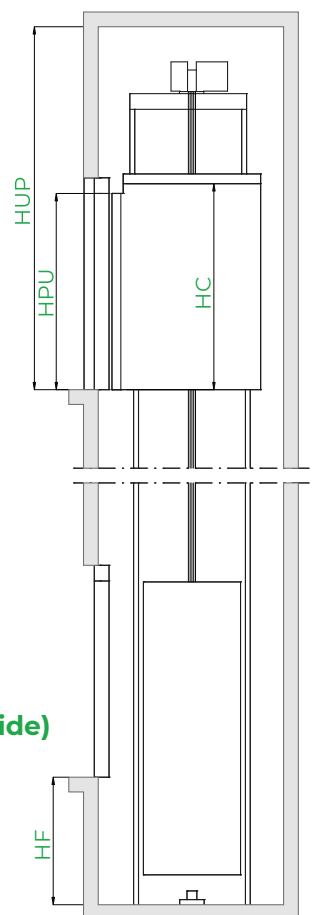
#### 2 Entrances (open through)



#### 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	Entrances		AH <sup>1</sup> Width	FH <sup>2</sup> Depth	AH Width	FH <sup>5</sup> 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) <sup>4</sup>	3,400		
					-	2x180°		1,500		1,400				
					-	2x90°		1,450		1,350			-	-
5	400 kg	850	1,200	800	-	1	1,370	1,450	-	-	1,000 (850) <sup>4</sup>	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>5-6</sup>		
					-	2x180°		1,650		1,550				
					-	2x90°		1,625		1,500			-	-
		♿	1	1,550	1,550	1,800	1,500	3,400 (3,000) <sup>5-6</sup>						
		-	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) <sup>4</sup>	3,400 (3,000) <sup>5</sup>		
					-	2x180°		1,800		1,700				
					-	2x90°		1,725		1,650			-	-
		♿	1	1,700	1,500	2,000	1,450	3,400 (3,000) <sup>5</sup>						
		-	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 central-opening doors, resting 40 mm on the landing

4 HF reduced pit optional 850 mm

5 Minimum HUP for internal car height (HC) of 2,100 mm

6 HUP reduced headroom optional only for 6 and 8 persons

7 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.



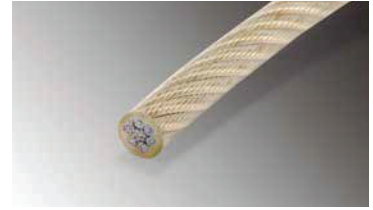
3



**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.



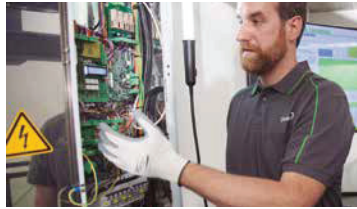
6



**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.

