

Every elevator  
deserves  
its own  
| building.

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**mitsulift presents the mlift-e, an elevator built specifically for demanding buildings.**

**Precision manufacturing, robust quality materials, streamlined technology and the unique ability to fit non-conventional shaft sizes truly highlight the flexibility of this range.**

**The perfect lift for the perfect fit, because not all buildings are built the same.**

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**The mlift-e.  
Vertically convenient  
throughout.**

**Adaptable flexibility  
right to the smallest  
shaft size.**

mlift-e offers inspiring cabin designs integrating high performance motors and drives for conventional and non-conventional shaft sizes.

Since every elevator deserves its own building, the mlift-e is created to offer better solutions for structures with certain constraints – in particular narrow elevator shafts that are not within the standardized dimensions. Designed and manufactured in Europe, the mlift-e series is produced using select quality materials with fast delivery and installation.

Simply designed, versatile and energy efficient, mlift-e is built for performance and sustainability in mind.

mlift-e gives you the choice of creating your personalized elevator cabin by offering a generous palette of colors, materials and textures to best suit your needs.





**Cabins.  
Bright, light and  
just about right.**

**A small yet open space  
for the body and soul.**

Functional design in harmony with combinations of colors, accessories and surface finishes.

Designed, manufactured and produced in Spain, our interiors are crafted by skilled crews using high degrees of workmanship. Cabin walls, mirrors and edges are laser cut using precision to assure smooth transitions between simultaneous materials and meeting points. Our cabins are hand assembled from start to finish in compliance with the requirements of EN81-20/50 standards.

mlift-e cabin interiors are available in four wall colors and two textured temperaments, with two optional ceiling designs and handrail choices in addition to four flooring variants.





Above: Grey Cloud with recommended accessories.  
Opposite: White Snow with recommended accessories.





Above: Oak Grey with recommended accessories.  
Opposite: Light Linen with recommended accessories.





Above: Stainless steel in hairline finishing with recommended accessories.  
Opposite: Stainless steel in Linen pattern with recommended accessories.





**Car operating panel.  
Slender integration,  
graceful combination.**

**Practical materials  
with user-friendly  
technology.**

The mlift-e car operating panel functions with simplicity in mind, clearly displaying essential lift interaction elements and visual information within an attractive setting.

Extending gracefully to the full height of the cabin wall, the stainless steel control panel is set with smooth travel buttons using back lit LED that lead to a high resolution TFT display, bringing about a feeling of transparent modern cool.

The mlift-e car operating panel comes in a standard thickness of 8mm, for effortless integration within your cabin space.



# Hall operating panel. For the precise push.



mift-e hall operating panel – one call button.



mift-e hall operating panel – two call buttons.

## One or two should do.

Our hall operating panels are built to be clear-cut. Pronounced on any wall surface, command all your instructions at a touch of a button.

The mift-e hall operating panel comes in a standard thickness of 21mm, built with clean finishing, precise craftsmanship and appealing practicality.

The panel is available in a one-call or two-call button operational configuration.



# Handrails. All hands on board.



Anodized steel bar with chrome plated elbows.

## A solid grasp within easy reach.



Basalt Grey painted bar with Graphite Grey elbows.

Sturdy handrail design integrating smooth geometry, creating spatial balance between essentials of the cabin and the needs of its travellers.

Crafted from durable and lightweight aluminium to easily accommodate a secure grip for the enjoyment of the elevator ride.

The mlift-e handrail is placed either towards the rear or the side wall of the cabin, providing constant safety and support to passengers whenever they should require it.

Two handrail designs are available for mlift-e cabins:

Anodized aluminium round bar with chrome plated elbows.

Basalt Grey painted round bar with Graphite Grey elbows.



## Ceiling & Light. Outcomes are bright.



Four LED spotlights, direct, glare-free, fixed and non orientable.

## The lights to make interiors right.



Wide LED panel with PVC finishing.

Immersed in varied hues and continually conversing with surrounding colors and textures, the mlift-e lighting system delightfully defines your cabin's mood.

Either directed or diffused and under any interior design configuration, mlift-e offers two ceiling lighting systems to best suit your personalized cabin space:

LED Panel form lighting configuration for crisp and diffused look and feel luminosity.

LED fixed spotlight form lighting configuration for detailed and directed look and feel luminosity.



# Floor. Game of tones.



Floor in Black Basalt.



Floor in Grey Cement.

## Solid floors on the move.

Personalized flooring – the finishing touch of your cabin space.

Inspired from natural materials such as gravel, pebble and stone, all our elevator floors have their own unique textures with delicate soft matt finishing.

Whether you choose to complement or create contrast within your cabin, the mlift-e elevator range offers four different floor tonalities:

- Beige Basalt
- Black Basalt
- Grey Cement
- Grey Pearl

**mift-e**  
**Product Information & Specifications**



Detail	Description
Car walls	Wood laminates optional in White Snow, Grey Cloud, Red Autumn, Blue Berry, Oak Grey or Light Linen. Stainless steel in hairline finishing or in Linen pattern.
Car doors, transom panel and front return panels.	Stainless steel sheets with hairline finishing or Linen Pattern finishing. Spray painted steel sheet optional in RAL 9003, 9004, 7046, 7044.
Ceiling	Stainless steel with hairline finishing.
Floor	Ceramic flooring optional in Black Basalt, Grey Cement, Grey Pearl or Beige Basalt. 22mm thickness floor reservation – pending client customization.
Kickplate	Anodized aluminium.
Lighting	Four LED spotlights, direct, glare-free. Fixed and non orientable. Wide LED panel with PVC finishing.
Light	LED – natural white.
Mirror (optional)	Mirror glass in clear or smoke with splinter protection film. Positioned on the rear wall. Full rear or half wall coverage available. Mirror edges ground & polished – Inset Flush.
Handrail	Round – Ø 35mm bar made from anodized stainless steel with chrome plated elbows. Handrail is placed on either the rear or side wall at 900mm from the ground. Round – Ø 35mm bar made from stainless steel in RAL 7012 with elbows in RAL 7024. Handrail is placed on either the rear or side wall at 900mm from the ground.
Car Operating Panel	Stainless steel with hairline finishing – covers the full height of the cabin. Concealed attachment with a thickness of 8mm. Information display in high resolution TFT – black background, white information. Emergency messages in red. Short travel buttons in stainless steel with backlit LED in white, call acceptance in backlit blue and emergency call in backlit orange.
Doors	Telescopic opening – left or right opening option. Central or side opening.

Detail	Description
Jambs and landing doors	Stainless steel sheets with hairline finishing or Linen Pattern finishing. Spray painted steel sheet optional in RAL 9003, 9004, 7046, 7044.
Hall Operating Panel	Stainless steel with hairline finishing and black acrylic glass. Concealed attachment with a thickness of 21mm. Short travel buttons in stainless steel with backlit LED in white and call acceptance in blue LED. Collective single button control. Stainless steel with hairline finishing and black acrylic glass. Concealed attachment with a thickness of 21mm. Short travel buttons in stainless steel with backlit LED in white and call acceptance in blue LED. Collective dual button control.
Landing Indicator	Stainless steel with hairline finishing. Information display in high resolution TFT – black background, white information.



### Car Walls



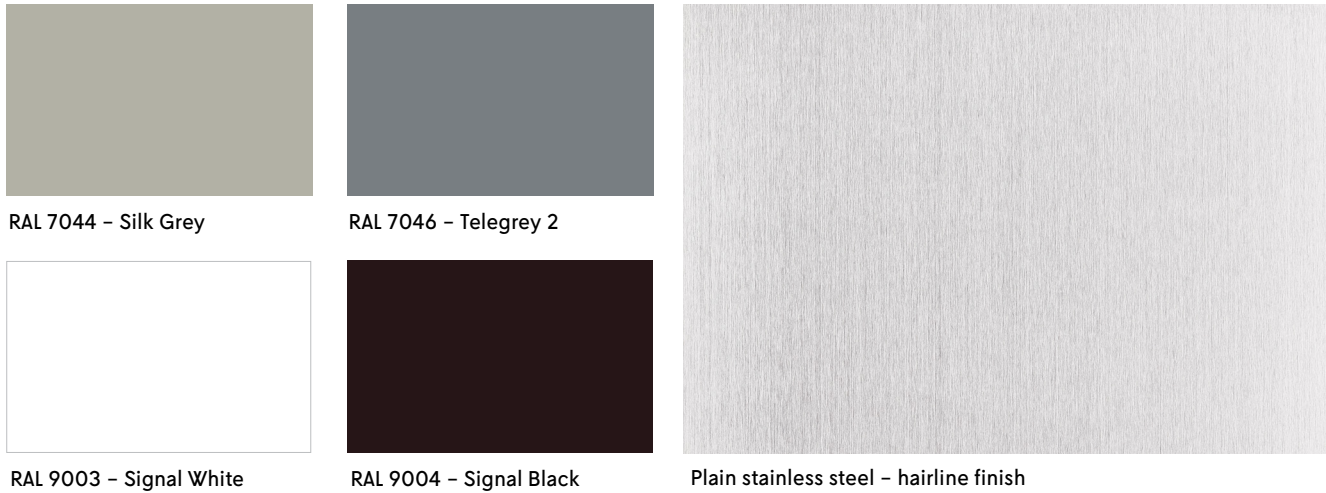
### Ceiling and Lights



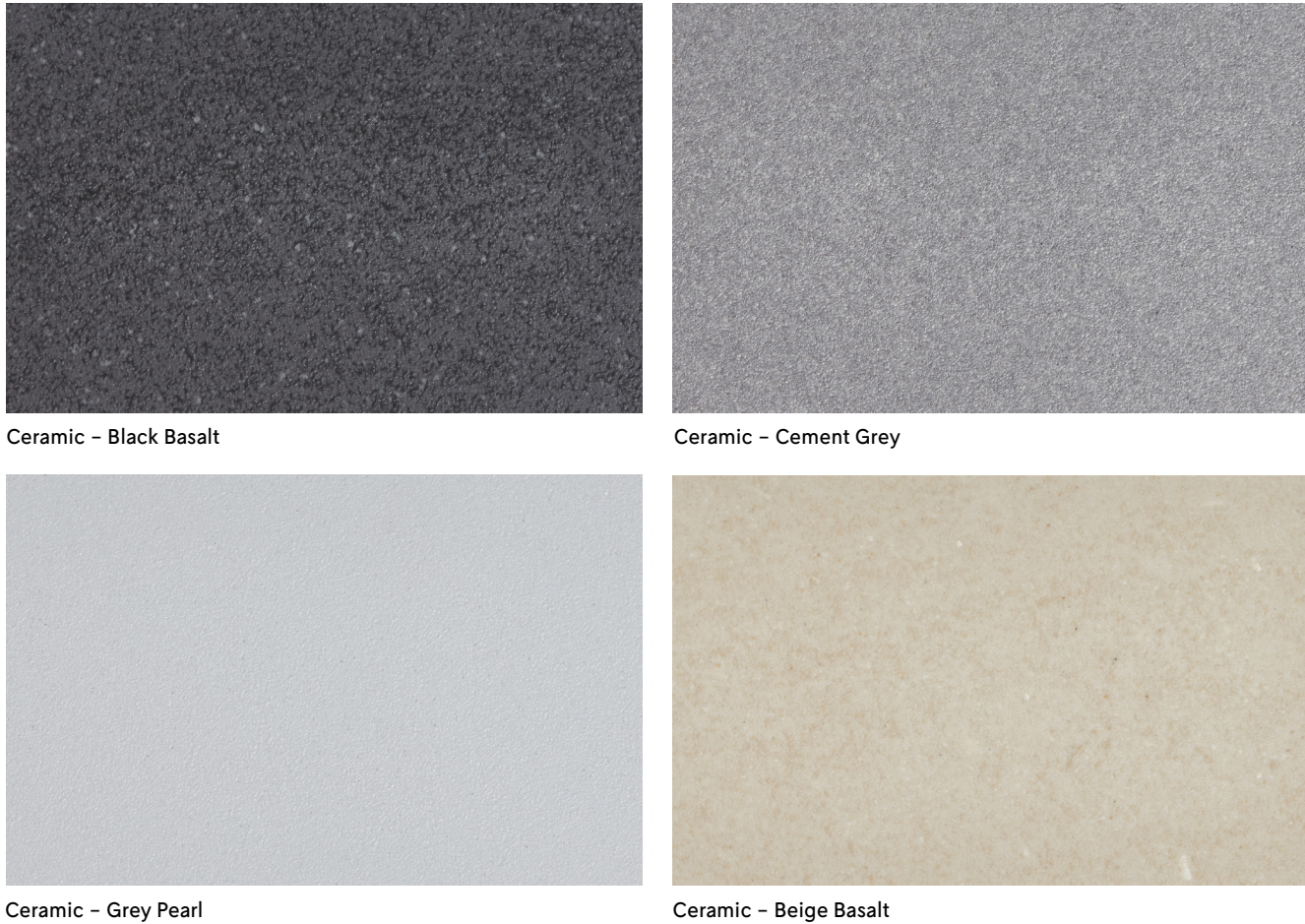
### Handrails



### Car Doors, Transom Panel, Front Return Panels, Jams and Landing Doors



### Floor



\* The RAL colors and wall laminates represented above are close approximations of the actual finished product tones and are used for reference consideration.



## Car Operating Panel

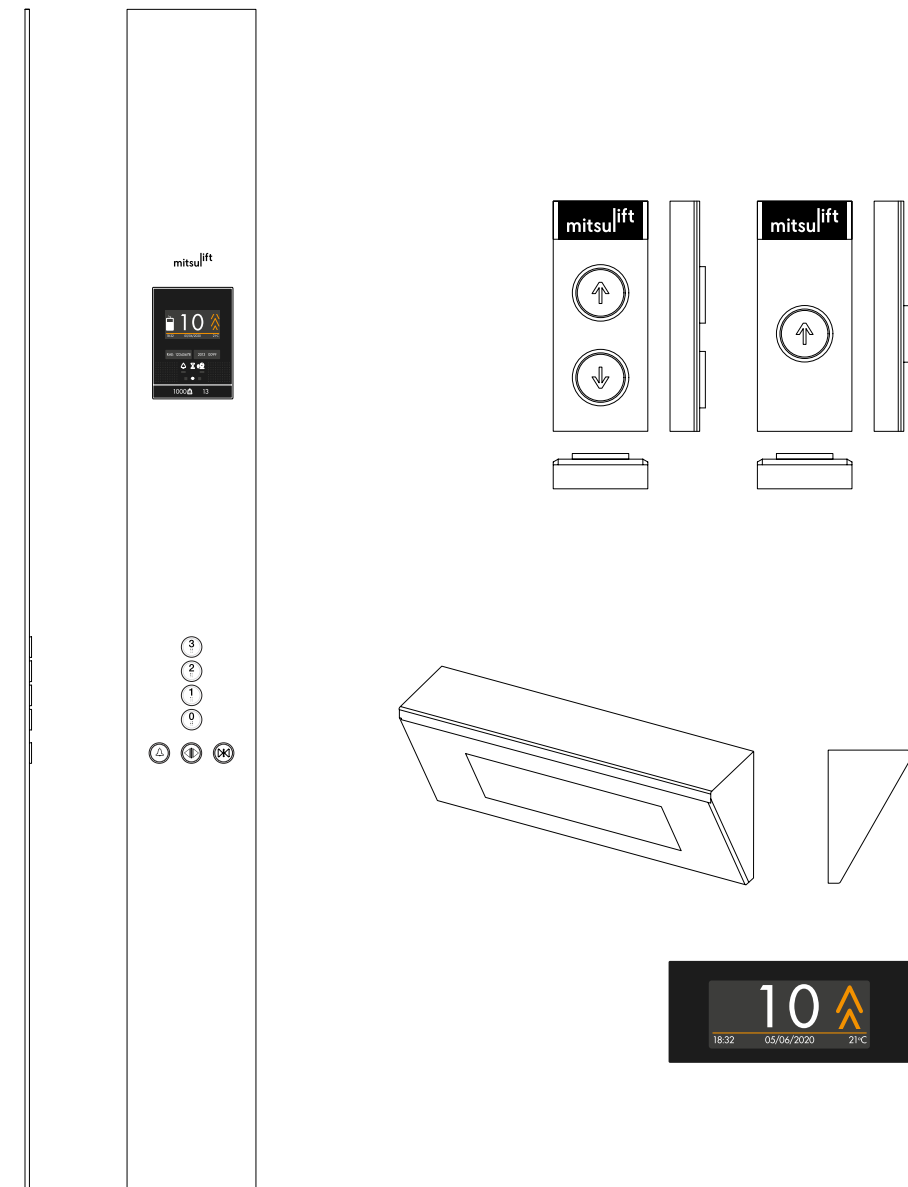
Type	Application	Remarks
Location	Installation only on right wall for CO doors and either on right or left wall for 2S doors.	First button starts at 900mm from ground level. Faceplate width 250mm.
Faceplate	Stainless steel with hairline finishing.	Same as above.
Direction and position indicator	High resolution TFT display, black background, white and orange information.	-
Buttons	Flat round buttons in stainless steel. Backlit LED in white. Response LED in blue. Emergency Call button response LED in orange. Floor number display in numerical and Braille.	-

## Hall Operating Panels

Type	Application	Remarks
Application	Installation either on the service wall close to the doors or in the jamb of the doors.	Face plate w 67mm x h 163mm Up or down arrow push button.
		Face plate w 67mm x h 163mm Two push buttons for full collective.
Faceplate	Stainless steel with hairline finishing. Black acrylic glass.	Same as above.
Direction and position indicator	No display.	-
	No display.	-
Buttons	Flat round buttons in stainless steel. Backlit LED in white. Response LED in blue.	-

## Landing Indicator

Type	Application	Remarks
Location	Installation either on the service wall above the doors or on top of the jamb of the doors.	Faceplate width 300mm x height 128.9mm with a depth of 79.5mm. TFT display set at a 60° angle.
Faceplate	Stainless steel with hairline finishing.	Same as above.
Direction and position indicator	High resolution TFT display, black background, white and orange information.	-



Above: Visual representation of Car Operating Panel, Hall Operating Panel variants and Landing Indicator.

Eco-Efficiency	Description
Low-Energy Drive	Electronically controlled high efficiency direct drive (gearless) motor.
Automatic Car Light Shut Off	When the lift is idle, the car light will switch off automatically after a programmable delay (between 0 and 999 minutes). This provides a longer life-cycle for the lights and significantly conserves energy.
Landing Illumination Control	The landing lights switch on automatically as soon as passengers reach their destination floor.
Life Stand-by Mode	Reduces the overall energy consumption of the lift system during idle periods.
Single-Phase Voltage Force	Defines whether the existing main power supply voltage is a single-phase or not.

Adaptability	Description
Flexible Controller Location	Allows for the control box to be placed at a remote distance from the shaft. This option only works for machine roomless lifts.
Reduced Headroom	The height of the safety room required at the top of the lift well can be reduced by providing additional safety features in compliance with the requirements of EN 81-21 standards.
Reduced Pit	The height of the safety room required under the lift can be reduced by providing additional safety features in compliance with the requirements of EN 81-21 standards.
Accessible Space Below the Pit	Provision for accessible space below the pit used towards maintenance services.

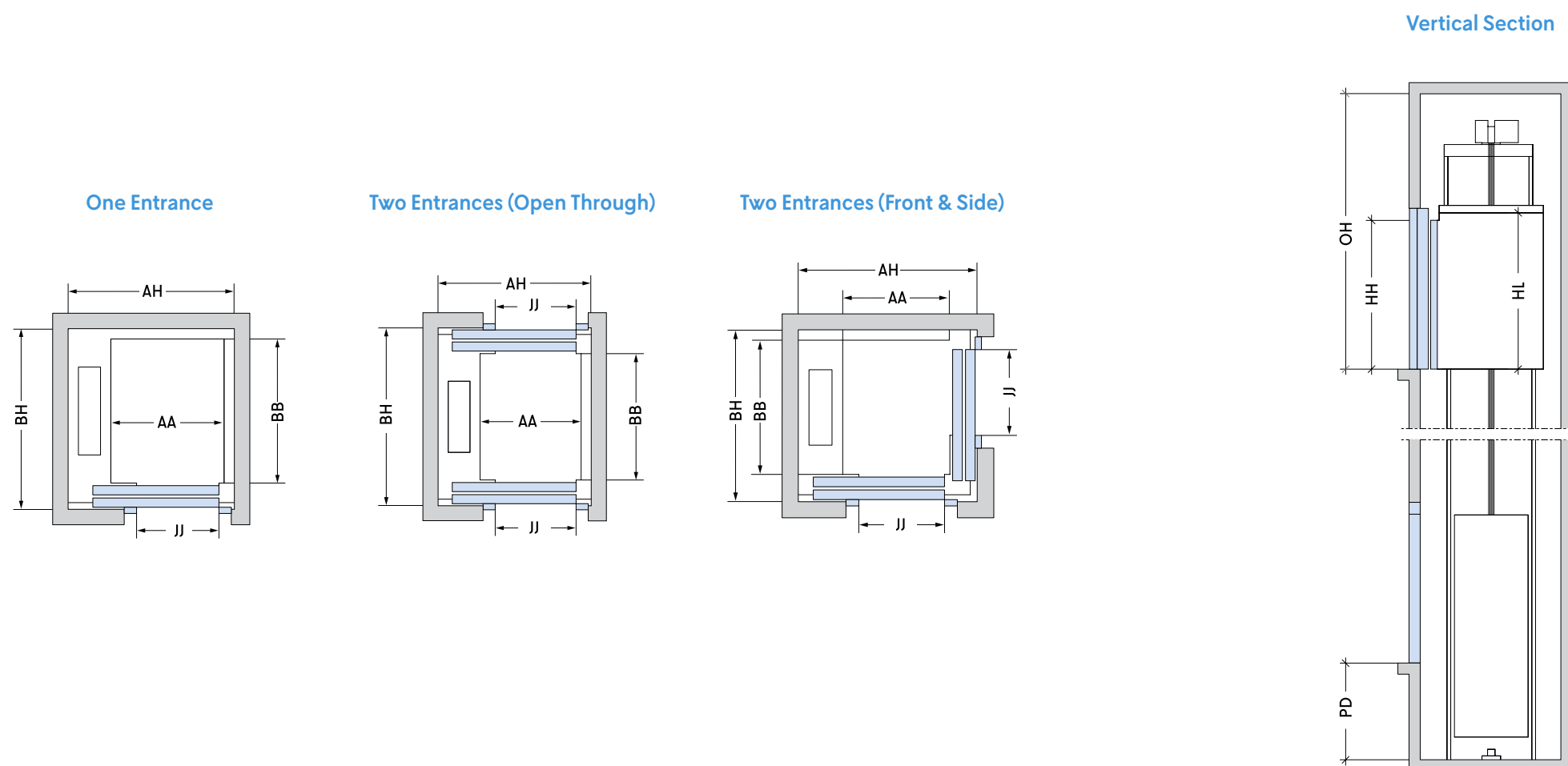
Control and Safety	Description
Auto-Dialler System	Enables any commercial remote alarm to be connected to the lift in compliance with the requirements of EN 81-28 standards.
Automatic Rescue System	In case of an emergency, the car automatically moves and stops at the nearest floor.
Fire Emergency	In case of a fire emergency, calls are cancelled and cars immediately return to a specific floor to remain parked with doors open so as to ensure safe passenger evacuation.
Pit Water Detector	In the case of a flooding in the shaft, the car immediately moves to the parking floor, allowing the evacuation of its passengers and sets the lift to out of service mode.
Safety Landing Call Cancellation	Supplies exclusive access to the passenger by being able to cancel all car calls with the aid of a key switch located on the car operating panel.
Firefighters Lift	During a fire, calls are cancelled and the car immediately returns to a predetermined floor. The car then responds only to calls assisting firefighting and rescue operations.

Access Control	Description
Zones Cancelling, Coded Call	This function selectively disables access to one or more floors in a building. However, authorized personnel can temporarily enable a specific zone by entering an assigned code. This is useful when managing access to VIP areas and other.
Compulsory Stop at Main Floor	The lift will stop and open its doors every time it approaches the main floor, even when that floor has not been selected. For instance, hotels require this function as an aid to supervise passenger traffic. It is possible to choose the direction of the stop: only going up, only going down or both directions.
External Car Call Cancelling	The car will be parked on a specific floor with its doors open and will not attend to any external calls. This feature cancels floor calls and provides exclusive access for maintenance and upkeep. It is activated through a key switch located on the car operating panel.
Key-Operated Car and Landing Call Cancelling	The car will be parked on a specific floor with its doors open and will not attend to any external or internal calls until call functions are enabled once again. This feature cancels floor calls and provides exclusive access for environments where the lift is required to remain parked with its door open at any required time. It is activated through a key switch located on the car operating panel.
Independent Entrance Selection	Allows for the configuration of two separate access sides. Each access point is provided with an independent car push button that allows to make a call to a desired floor while being able to choose the access side. Without this feature, the car doors will open at both entry points.
Non-Emergency Outage	Enables the car to be parked and set the lift on out of service mode, without affecting the passengers inside the cabin. This feature is activated through an integrated key switch located on the hall operating panel.
Emergency Outage	Enables the car to be parked set the lift on out of service mode as soon as possible, cancelling all existing car and landing calls. The car moves to the parking floor and remains parked with open doors so as to allow for safe evacuation. This feature is activated through an integrated key switch located on the hall operating panel.
Forced Closing (Nudging)	This feature disables the non-contact safety barrier of the entrance after a period of permanent activation, allowing the doors to close at a slower speed. It activates an acoustic signal in the car or transmits a message (in case of voice synthesizer) requesting that passenger/s stay away from the door. Should an obstacle prevent the doors from closing, the doors will return to their open position.

Communications	Description
Pre-Opening Doors	When a car arrives to a hall, the doors will start opening before the car has completely stopped. The purpose of this option is to reduce the time necessary for stopping and opening doors, making for a smoother user experience.
Inter Communication System	A system that allows communication between passengers inside the car and the building personnel.

# 1. MRL 1 machine roomless – electrical gearless

## 1.1 Layout plan



- 0. Minimum plumb measurements.
- 1. Accessible space below the pit (counterweight with safety gear) add 50mm to AH.
- 2. PD reduced pit optional 850mm.
- 3. OH minimum for internal car height (HL) 2,100mm.
- 4. OH reduced headroom optional.

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

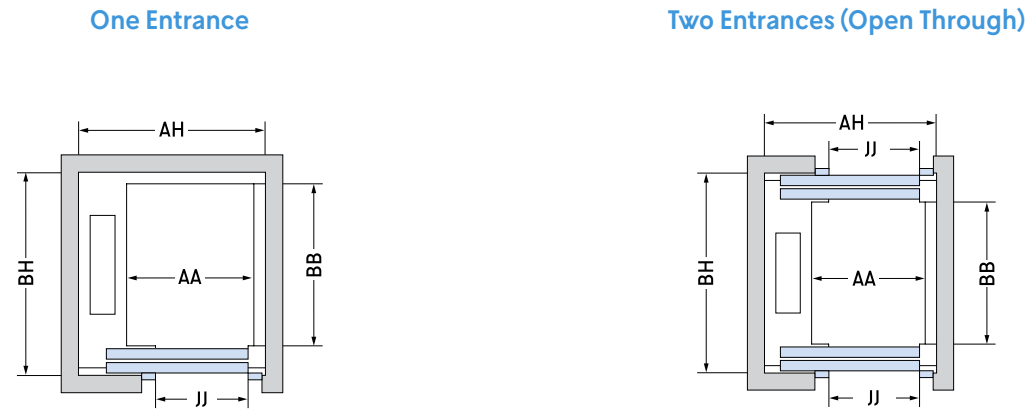
## 1.2 Standard Dimensions

Load / Capacity			Car			Lift Shaft <sup>0</sup>		Lift Shaft <sup>0</sup>					
Speed	No. of Persons	Q Load	AA Width	BB Depth	JJ Clear Opening	Entrances		Side Opening Doors		Central Opening Doors		PD Pit	OH <sup>3</sup> Headroom
						Ease of Access	No. of Entrances	AH <sup>1</sup> width	BH Depth	AH Width	BH Depth		
1m/s	4	320 kg	825	1,100	700		1 2 x 180° 2 x 90°	1,325 1,325 1,450	1,410 1,560 1,410	1,600 1,600	1,340 1,440		3,400 3,400 3,400
	6	450 kg	1,000	1,250	800	♿	1 2 x 180° 2 x 90°	1,500 1,500 1,625	1,560 1,710 1,560	1,800 1,800	1,490 1,590	1,000 (850) <sup>2</sup>	3,400 (3,000) <sup>4</sup> 3,400 (3,000) <sup>4</sup> 3,400
	8	630 kg	1,100	1,400	900	♿	1 2 x 180° 2 x 90°	1,600 1,600 1,725	1,710 1,860 1,710	2,000 2,000	1,640 1,740		3,400 (3,000) <sup>4</sup> 3,400 (3,000) <sup>4</sup> 3,400

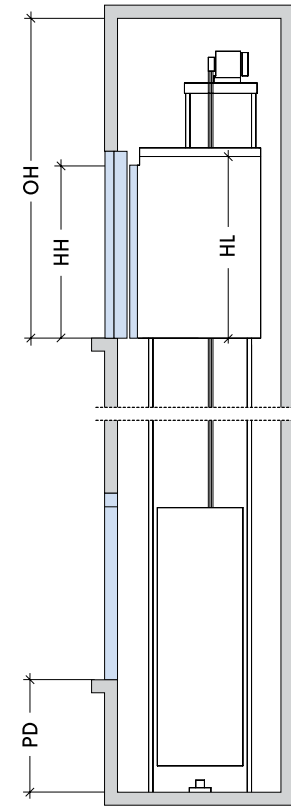


# 2. MRL2 machine roomless – electrical gearless

## 2.1 Layout plan



Vertical Section



- 0. Minimum plumb measurements.
- 1. Accessible space below the pit (counterweight with safety gear) add 50mm to AH.
- 2. PD reduced pit optional 850mm.
- 3. OH minimum for internal car height (HL) 2,100mm.
- 4. OH reduced headroom optional.

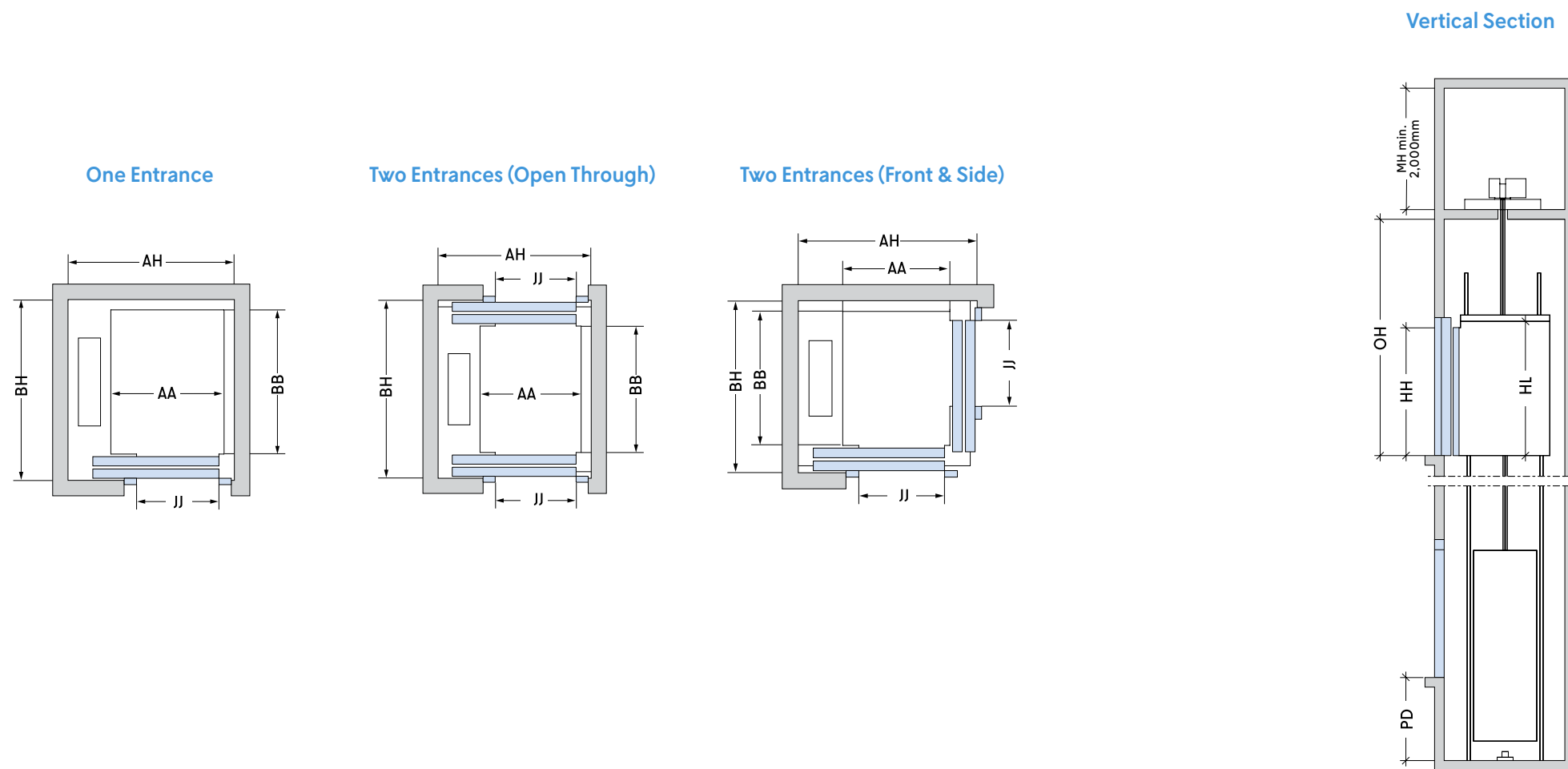
The information is not contractually binding and is subject to the conditions of the shaft.

## 2.2 Standard Dimensions

Load / Capacity			Car			Lift Shaft <sup>0</sup>		Lift Shaft <sup>0</sup>		PD Pit	OH <sup>3</sup> Headroom	
Speed	No. of Persons	Q Load	AA Width	BB Depth	JJ Clear Opening	Ease of Access	No. of Entrances	Side Opening Doors AH <sup>1</sup> width	BH Depth			Central Opening Doors AH Width
1m/s to 1,6m/s	4	320 kg	825	1,100	700		1 2 x 180°	1,325 1,325	1,410 1,560			3,400 3,400
	6	450 kg	1,000	1,250	800	♿	1 2 x 180°	1,475 1,475	1,560 1,710	1,725 1,725	1,490 1,590	
	8	630 kg	1,100	1,400	900	♿	1 2 x 180°	1,625 1,625	1,735 1,910	1,925 1,925	1,665 1,790	
	10	800 kg	1,350	1,400	900	♿	1 2 x 180°	1,850 1,850	1,735 1,910	1,925 1,925	1,665 1,790	1,000 (850) <sup>2</sup> at speed 1,6m/s
	13	1,000 kg	1,600	1,400	1,000	♿	1 2 x 180°	2,100 2,100	1,735 1,910	2,175 2,175	1,665 1,790	3,400 (3050) <sup>4</sup> at speed 1,6m/s
				1,100	2,100	1,000	♿	1 2 x 180°	1,775 1,775	2,430 2,610	2,125 2,125	2,340 2,440

# 3. MR1 machine room above – electrical gearless

## 3.1 Layout plan



- 0. Minimum plumb measurements.
- 1. Accessible space below the pit (counterweight with safety gear) add 50mm to AH.
- 2. PD reduced pit optional 850mm.
- 3. OH minimum for internal car height (HL) 2,100mm.
- 4. OH reduced headroom optional.

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

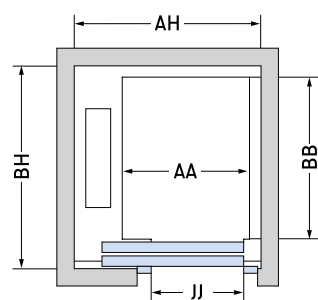
## 3.2 Standard Dimensions

Load / Capacity			Car			Lift Shaft <sup>0</sup>		Lift Shaft <sup>0</sup>					
Speed	No. of Persons	Q Load	AA Width	BB Depth	JJ Clear Opening	Entrances		Side Opening Doors		Central Opening Doors		PD Pit	OH <sup>3</sup> Headroom
						Ease of Access	No. of Entrances	AH <sup>1</sup> width	BH Depth	AH Width	BH Depth		
1m/s	4	320 kg	825	1,100	700		1	1,325	1,410	1,600	1,340	1,000 (850) <sup>2</sup>	3,400
							2 x 180°	1,325	1,560	1,600	1,440		3,400
							2 x 90°	1,450	1,410				3,400
1m/s	6	450 kg	1,000	1,250	800	♿	1	1,500	1,560	1,800	1,490	1,000 (850) <sup>2</sup>	3,400 (3,000) <sup>4</sup>
							2 x 180°	1,500	1,710	1,800	1,590		3,400 (3,000) <sup>4</sup>
							2 x 90°	1,625	1,560				3,400
1m/s	8	630 kg	1,100	1,400	900	♿	1	1,600	1,710	2,000	1,640	1,000 (850) <sup>2</sup>	3,400 (3,000) <sup>4</sup>
							2 x 180°	1,600	1,860	2,000	1,740		3,400 (3,000) <sup>4</sup>
							2 x 90°	1,725	1,710				3,400

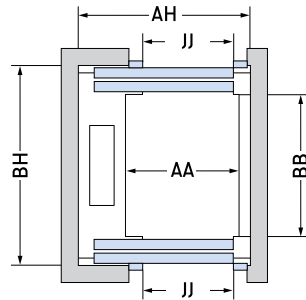
# 4. MR2 machine room above – electrical gearless

## 4.1 Layout plan

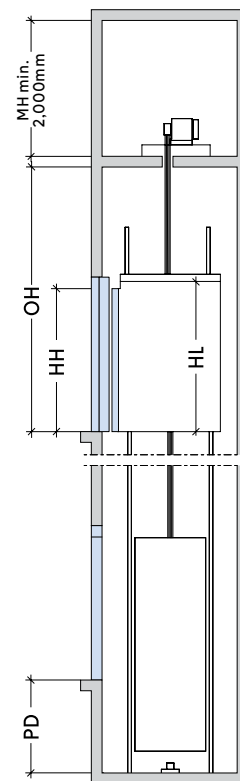
One Entrance



Two Entrances (Open Through)



Vertical Section



(1) HCM – minimum 2,000mm

- 0. Minimum plumb measurements.
- 1. Accessible space below the pit (counterweight with safety gear) add 50mm to AH.
- 2. PD reduced pit optional 850mm.
- 3. OH minimum for internal car height (HL) 2,100mm.

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

## 4.2 Standard Dimensions

Load / Capacity			Car			Lift Shaft <sup>0</sup>		Lift Shaft <sup>0</sup>						
Speed	No. of Persons	Q Load	AA Width	BB Depth	JJ Clear Opening	Entrances		Side Opening Doors		Central Opening Doors		PD Pit	OH <sup>3</sup> Headroom	
						Ease of Access	No. of Entrances	AH <sup>1</sup> width	BH Depth	AH Width	BH Depth			
1m/s to 1,6m/s	6	450 kg	1,000	1,250	800		1 2 x 180°	1,470 1,470	1,580 1,750	1,720 1,720	1,510 1,630			
	8	630 kg	1,100	1,400	900		1 2 x 180°	1,570 1,570	1,730 1,900	1,900 1,900	1,660 1,780			
	10	800 kg	1,350	1,400	900		1 2 x 180°	1,820 1,820	1,730 1,900	1,900 1,900	1,660 1,780	1,000 (850) <sup>2</sup> at speed 1m/s	3,400 at speed 1m/s	
	13	1,000 kg		1,600	1,400	1,000		1 2 x 180°	2,070 2,070	1,730 1,900	2,100 2,100	1,660 1,780	1,120 at speed 1,6m/s	3,550 at speed 1,6m/s
				1,100	2,100	1,000		1 2 x 180°	1,720 1,720	2,430 2,600	2,100 2,100	2,360 2,480		

**A space of both intimacy and anonymity,  
constantly in motion.**

