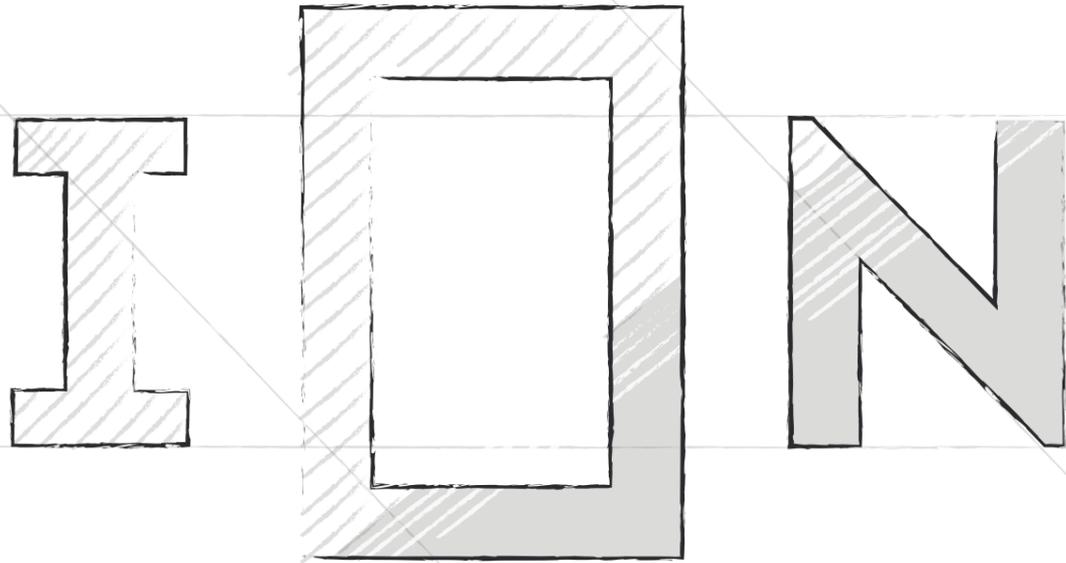




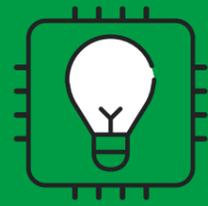
**THE NEXT  
ELEVATOR  
GENERATION**

---



ION, a fully-equipped lift as standard

We present to you



Innovation and technology



Connectivity and infotainment



Space optimisation



Environmentally



Modern design



And always with our renowned fast and reliable maintenance service

# ION

## The next elevator generation

The ION lift does not need a machine room. With ION, we have achieved unrivalled levels of **comfort, reliability and energy savings**. In addition, thanks to the miniaturisation of all the machinery's elements, there is **more room for passengers**.

We have also been working on more spacious, brighter and more modern cabin designs and on avant-garde button panels with cutting edge-technology. We have undoubtedly created the best lift in its category.

We have replaced the conventional steel cables with **polymer cables featuring a steel core**, a technology that has reinvented the lift's traction.



This new material allows installing traction pulleys with a much smaller diameter, reducing considerably the size of the motor and, as a result, energy consumption.

In addition, by equipping a new traction system with non-metallic elements, we are able to significantly reduce consumption and noise levels and considerably increase the durability of the components.



Thanks to its single traction technology, we have achieved a quieter and vibration-free lift.

ION is almost entirely built in high-strength lightweight steel. The new design reduces the equipment's total weight by more than 30%, contributing to a significant reduction of energy consumption.

# Safety and peace of mind, more than guaranteed

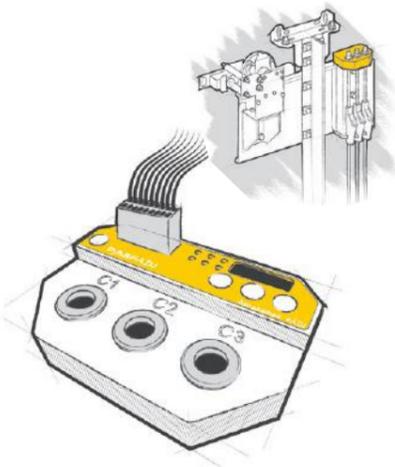
## Greater comfort

By removing the conventional metal cables, we obtain a smoother and quieter operation. There is no friction between metal elements. Our idle pulleys are built with Optamida, a new generation material that provides high durability and lightness.

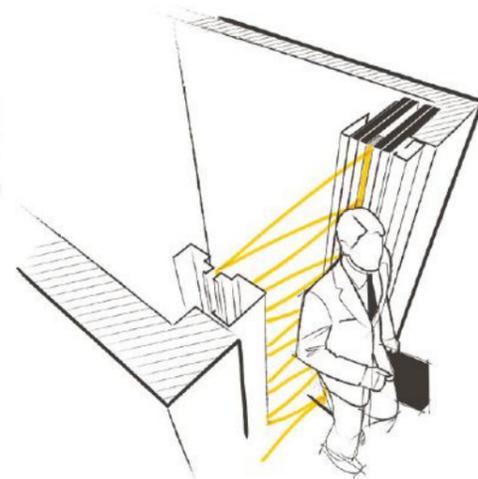


## Further safety

A **rescue system** that runs on batteries and is equipped with electronic speed monitoring allows for a fast and safe rescue of passengers in the event of a power outage. DYNFAIN is a continuous cable monitoring system that individually detects any anomaly in the cables' voltage 24 hours a day and monitors its lifespan.



An infrared beam system acts as an invisible safety curtain. When an obstacle breaks this **infrared barrier**, the system reopens the door.



## More reliable

A **gear-less machine** with less moving parts reduces wear to a minimum and increases the durability of components.

**LED lamps have an extremely long service life.** They last up to 20 times more than conventional lamps and consume much less energy. All the ION's ceilings, buttons and shaft lights feature LED technology.

## More precise

The lesser stretching of the polymer cables compared to conventional metal cables, in addition to the installation of a closed-loop variable frequency drive, provide an exceptionally precise stop ( $\pm 3$  mm). As a result, we avoid passengers from tripping when entering or exiting the cabin.

## More speed

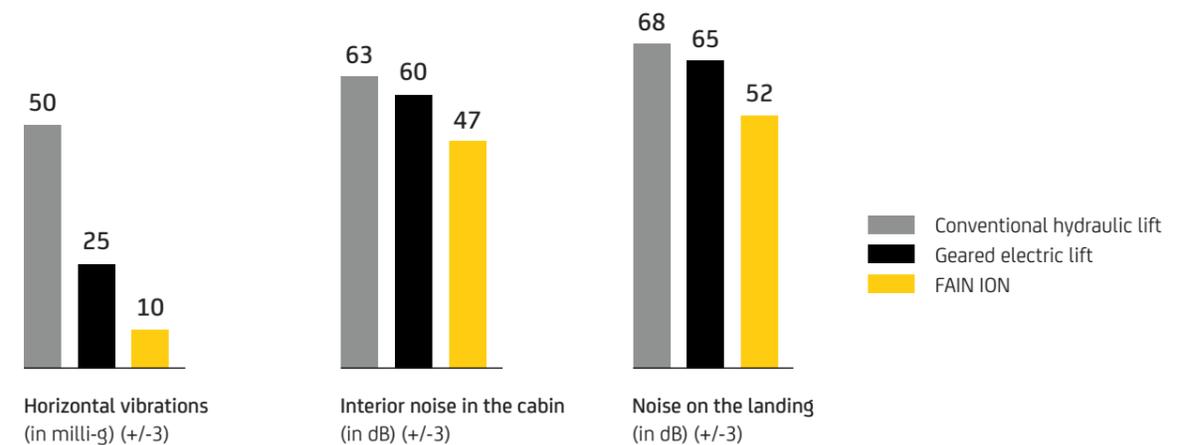
We have reduced the idle time to a minimum, achieving a streamlined ION. Now it starts faster, it approaches the floor in less time, and it immediately opens the doors, considerably improving travel times, all with unmatched comfort.



## Improved aesthetics and less noise

Our engineers have reduced the size of the control box up to the point where it is now located in the door frame of the top floor. Now, your lift's electronics are completely invisible.

We have also removed all electromechanical elements (contactors), achieving a completely silent assembly. This is undoubtedly a technological breakthrough for the lift industry and great news for the neighbours living on the last floor.



# Energy savings and ecology

One of the core pillars of FAIN's philosophy is the respect for the environment. That is why we have developed the **ION for you: the most environmentally friendly system in its category.** We have equipped it with a wide range of clean and low-consumption technologies.

ION by FAIN is oil-free, that is, no oil is used in the machinery, in the traction elements or even on the roller guides. **No contaminating waste is generated.**

We **no longer use paint** in practically any of the mechanical elements, thus contributing to the preservation of the environment.

The lighting system in the cabin, button panels and shaft only feature **low-consumption LEDs.** The cabin's light switches off automatically when no people are detected. This way, we are able to save more than 95% of the energy consumed by the cabin's lighting.

ION automatically activates its **Stand-by** mode when it is not called for an extended period of time, switching off all the main elements with the aim of reducing consumption to a minimum.

Our cabin doors are equipped with a **permanent magnet motor**, which significantly reduces this element's energy consumption.

Enjoy a lift in the **highest energy class "A"** with the ION2 drive energy regeneration system\*.

ION Green has obtained the highest energy efficiency rating according to the ISO 25745 standard.

\*Optional element



# Cradle to Cradle® Certification

At FAIN, we always keep the environment in mind when designing our products.

**The Cradle to Cradle Certificate guarantees sustainability throughout the product's life cycle:**

- It has been produced without any environmentally harmful materials or manufacturing processes

- We no longer use oil in our maintenance, and we equip our lifts with components that guarantee minimum energy consumption

- We use recyclable materials, with the aim of eliminating the product's carbon footprint when rendered obsolete



# Save with ion

Energy consumption								
Lift	Hydraulic		2-speed electric lift		FAIN ION		FAIN Green ION (optional)	
	Power contracted	Consumption	Power contracted	Consumption	Power contracted	Consumption	Power contracted	Consumption
6 persons	16 kW	2.037 kWh/year	9,2 kW	1.190 kWh/year	5 kW	774 kWh/year	0 kW	533 kWh/year
8 persons	17 kW	2.198 kWh/year	10 kW	1.284 kWh/year	6 kW	835 kWh/year	0 kW	565 kWh/year

Comparison of the contracted power capacity required and motor consumption by type of lift. Information values may vary depending on installation conditions. Values based on use category 2 as per standards VDI 4707 and ISO 25745 (average journey time 30 min. per day / 200 journeys per day). Nominal hydraulic lift speed 0.63 m/s. Nominal speed of 2-speed lift and FAIN ION & Green ION 1 m/s.

Cost of the energy bill								
Lift	Hydraulic		2-speed electric lift		FAIN ION		FAIN Green ION (optional)	
	Power contracted	Consumption	Power contracted	Consumption	Power contracted	Consumption	Power contracted	Consumption
6 persons	1.821 €	570 €	280 €	333 €	152 €	217 €	- €	149 €
8 persons	1.935 €	615 €	304 €	359 €	183 €	234 €	- €	158 €

\*VAT and electricity tax included. Calculation bases: Tariffs: 3.0TD (average contracted power 36 kW/year) for hydroelectric and 2.0 TD (average contracted power 30,5 kW/year) for the rest. Average energy price : 0,279 euros/kWh.

Annual cost savings with FAIN ION				
Lift	Compared to a Hydraulic lift		Compared to a 2-speed electric lift	
	Cost (€)	Percentage	Cost (€)	Percentage
6 persons	2.022 €	85%	244 €	40%
8 persons	2.133 €	84%	247 €	37%

Annual cost savings with FAIN ION Green (optional)				
Lift	Compared to a Hydraulic lift		Compared to a 2-speed electric lift	
	Cost (€)	Percentage	Cost (€)	Percentage
6 persons	2.242 €	94%	464 €	76%
8 persons	2.392 €	94%	505 €	76%

# Space saving

Thanks to the miniaturisation of all the machinery's elements, we have optimised the dimensions of the lift's shaft. ION maximises your building's space, allowing you to install a lift where it was previously impossible or to replace your lift with a larger one.

**The control box is now located in the door frame on the top floor.**

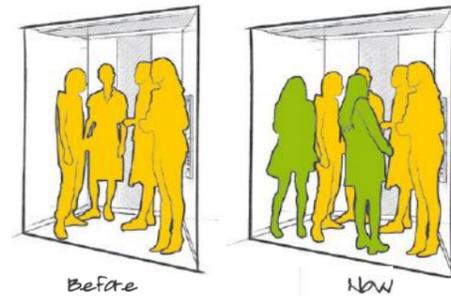
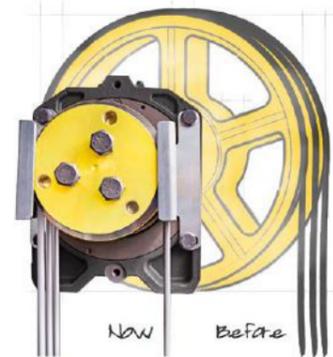
**We have reduced the machine's size by 70% and its weight by half.**

Our new traction cable has a significantly smaller radius of curvature and a much improved coefficient of friction. Thanks to these two characteristics, we have reduced the diameter of the pulleys and the size of the motor, improving their performance.

**Less space taken up by parts, more space for passengers**

Cabins up to 25% larger.

Without modifying the existing shaft, we are able to maximise the cabin's space, extending the capacity from 4 to 6 people.



Dimensions of the shaft* width x depth	BEFORE		NOW	
	Passengers in cabin	Capacity	Passengers in cabin	Capacity
1.550 x 1.500 mm	5	375 kg	6	450 kg
1.600 x 1.650 mm	6	450 kg	8	630 kg
1.650 x 1.750 mm	8	630 kg	9	675 kg

\* In cabins with single boarding and speed of 1 m/s

# FAIN 360° Connectivity\* Growing towards a better world

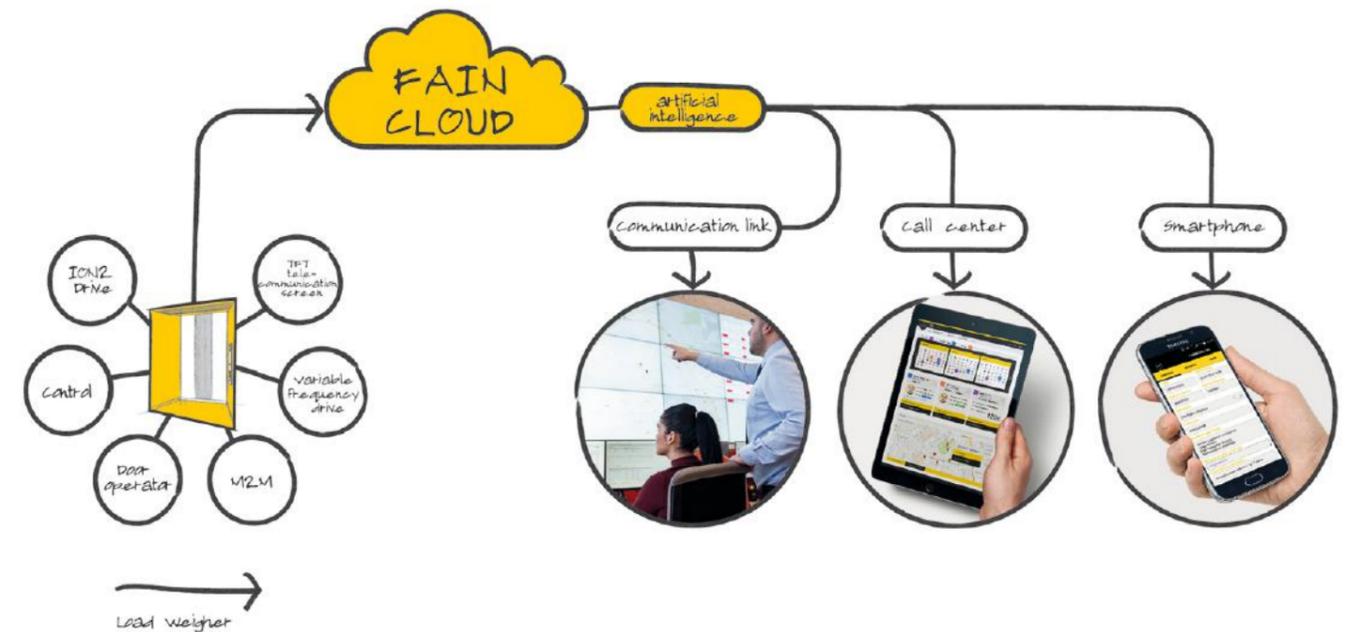
ION by FAIN is equipped as standard with a **10" TFT screen** that provides passengers general and personalised information, as well as entertainment and the lift's own instructions. The FAIN 360° connectivity system is in constant communication with our Customer Care Centre and our technicians, and it controls the lift's operation 24/7.

On the **FAIN 360° customer platform**, you will be able to consult information on the status of your lift and on the maintenance service we provide in real time. Now you can see the remaining useful life of your lift's critical components, the status of any breakdown and the interventions carried out on your equipment.



\* This service is only accessible with a FAIN maintenance contract.

# FAIN Cloud



# Cabin design

## Comfort Model

A lift is a key element in the category and perception of a building. That is why, FAIN has paid special attention to designing modern and elegant cabins and high-end button panels, equipped with the latest technology. Choose between three different décor lines with different styles and three ranges of finish.



### Finishes

**Walls:** Arctic Glacier White  
**Skirting:** 50 mm black  
**Mirror:** 550 mm silver colour  
**Ceiling:** Black colour

**Light:** White LED  
**Handrails:** Rounded finish in black  
**Flooring:** Black galaxy resin  
**Collection:** Tecno



### Finishes

**Walls:** Stainless steel  
**Skirting:** 50 mm black  
**Mirror:** 550 mm silver colour  
**Ceiling:** Black colour

**Light:** White LED  
**Handrails:** Straight in bright steel finish  
**Flooring:** Cloud resin  
**Collection:** Metal

# Cabin design

## Elegance Model

---



### Finishes

**Walls:** Canadian Oak with hairline satin-finish steel splice joints  
**Skirting:** 50 mm in hairline satin-finish steel  
**Mirror:** 550 mm silver colour  
**Ceiling:** BlackHairline satin finish

**Light:** White LED  
**Handrails:** Straight in bright steel finish  
**Flooring:** Malm ceramic black  
**Collection:** Eco-friendly materials

# Cabin design

## Elite Model

---



### Finishes

**Walls:** Cherry  
**Skirting:** 50 mm in hairline satin-finish steel  
**Mirror:** 550 mm silver colour  
**Ceiling:** Embellished with a steel frame

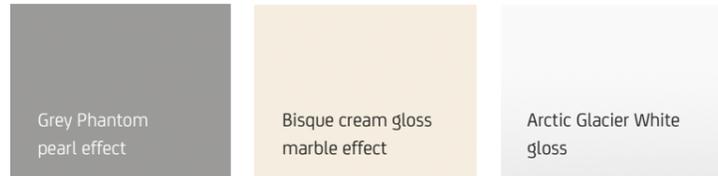
**Light:** White LED  
**Handrails:** Curved in matt steel  
**Flooring:** Uni Ice Ceramic  
**Collection:** Eco-friendly materials

# Finishes

## TECNO COLLECTION Single-colour walls



The design is enhanced with modern materials that create an avant-garde setting. The glossy coloured laminates give the lift cabin a spacious, bright and modern feel.



## ECO-FRIENDLY MATERIALS Single-colour walls



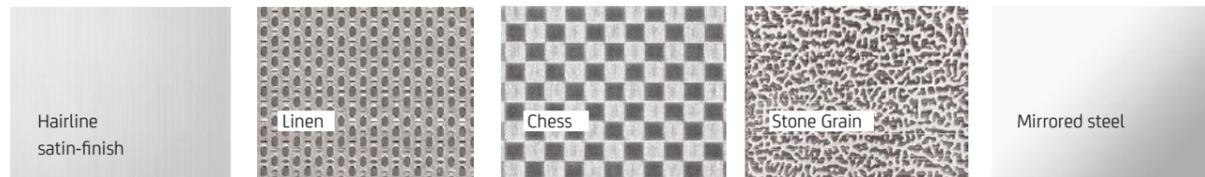
Natural materials are combined with ultra-low powered LED to achieve clean, harmonious, natural designs.



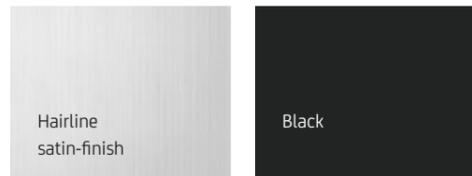
## METAL COLLECTION Single-/Two-colour walls



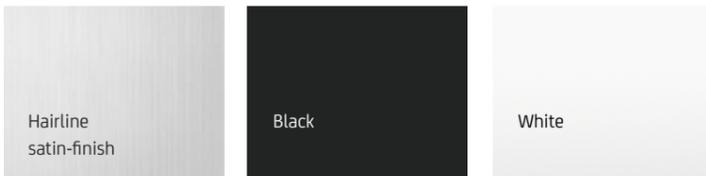
Straight lines highlight metallic textures giving the lift cabin a contemporary and durable look.



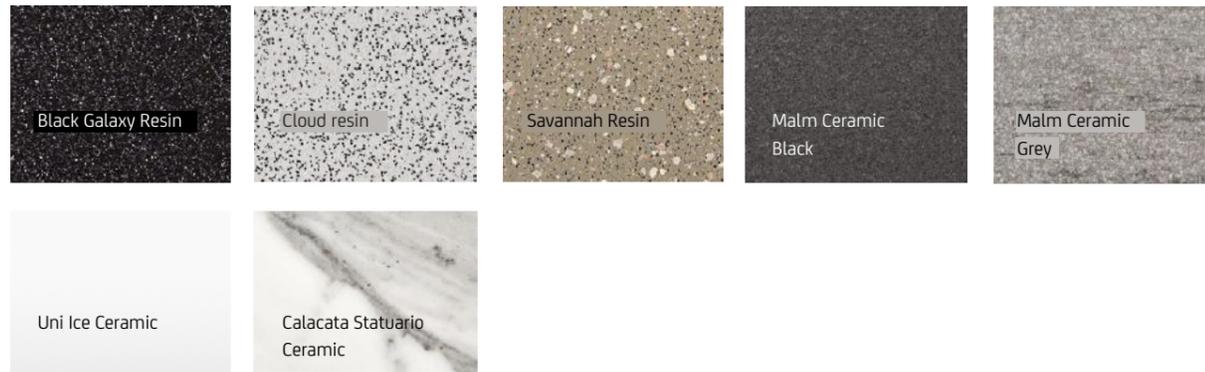
## Skirting and joints



## Ceiling



## Flooring

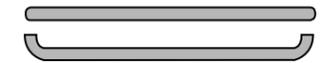
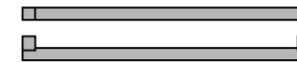
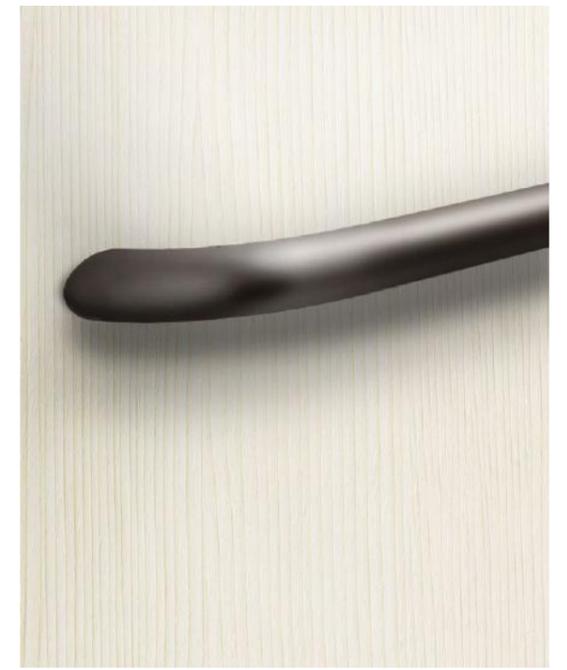


# Handrails



Straight in bright steel finish

Straight with curved ends in black or matte steel



# Ceilings



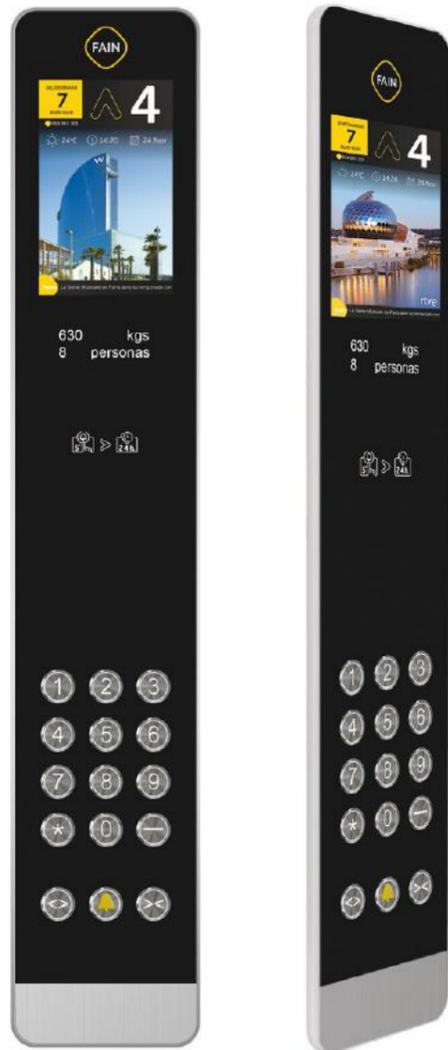
Ceiling with LED down-lights finished in standard colour or steel

Embellished ceiling, finished with a hairline joint in gloss-finish steel or colour



# Button panel inside cabin

Keypad



Frieze



## Finishes

**Type:** Floor keypad  
**Finish:** Methacrylate and stainless steel  
**Dimensions:** 1,050 x 190 x 21.7 mm

**Type:** Frieze floor panel  
**Finish:** Brushed stainless steel  
**Dimensions:** 1.800 x 190 x 21,7 mm

**Registration:** Visual and acoustic  
**Light:** White LED  
**Display:** TFT 10"  
**Buttons:** Stainless steel anti-tamper finish

# Button panels for exteriors and displays



**Type:** Floor button panel with 1 or 2 buttons / keyhole  
**Finish:** Stainless Steel  
**Buttons:** Stainless steel anti-tamper finish

**Registration:** Visual and acoustic  
**LED:** White LED  
**Dimensions:** 185 x 80 x 12 mm



**Type:** Floor button panel with 1 or 2 buttons / keyhole  
**Finish:** Stainless Steel  
**Buttons:** Stainless steel anti-tamper finish

**Registration:** Visual and acoustic  
**Registration:** White LED  
**Display:** Matrix of LED points white  
**Dimensions:** 280 x 80 x 12 mm (Duplex)  
 280 x 145 x 12 mm



**Type:** Matrix floor display  
**Finish:** Stainless steel  
**Indications:** Floor and arrows for direction of travel  
**Light:** White LED  
**Dimensions:** 185 x 80 x 12 mm

# Button panel for exteriors and displays



Type: Floor button panel with 1 or 2 buttons / keyhole  
 Finish: Methacrylate and stainless steel  
 Buttons: Stainless steel anti-tamper finish  
 Registration: Visual and acoustic

LED: White LED  
 Dimensions: 185 x 80 x 12 mm



Type: Floor button panel with 1 or 2 buttons / keyhole  
 Finish: Methacrylate and stainless steel  
 Buttons: Stainless steel anti-tamper finish  
 Registration: Visual and acoustic

Registration: White LED  
 Display: Matrix of LED points white  
 Dimensions: 280 x 80 x 12 mm (Duplex)  
 280 x 145 x 12 mm



Type: Matrix floor display  
 Finish: Methacrylate and stainless steel  
 Indications: Floor and arrows for direction of travel  
 Light: White LED  
 Dimensions: 185 x 80 x 12 mm

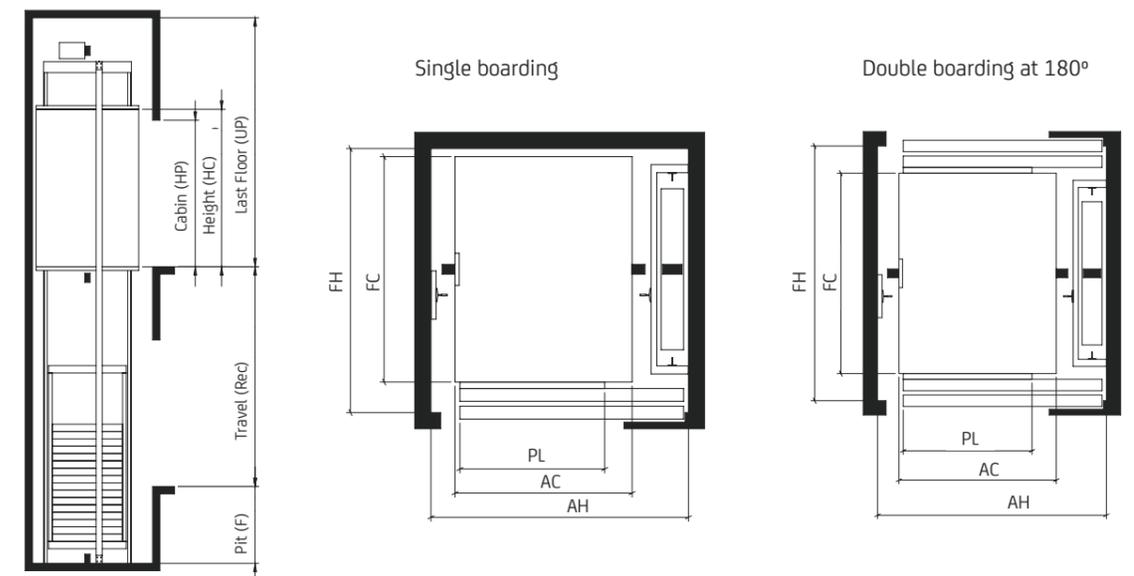
# Dimensions of the shaft

## Standard shaft dimensions (in mm)

Capacity / Load	Cabin ( AC x FC )	Shaft (width x depth)		PPL	New build (EN 81.50 & EN 81.20)		Renovation (EN 81.21)	
					Shaft	Escape	Shaft	Escape
375 kgs / 5 persons	900 x 1.200	Single boarding	1.450 x 1.450	700-25	1.250			
		Doub. boarding at 180°	1.450 x 1.580					
450 kgs / 6 persons	1.000 x 1.250	Single boarding	1.550 x 1.500	800-25	1.050	3.700	850	2.900
		Doub. boarding at 180°	1.550 x 1.630					
525 kgs / 7 persons	1.100 x 1.300	Single boarding	1.650 x 1.550	800-25 / 900-25				
		Doub. boarding at 180°	1.650 x 1.680					
630 kgs / 8 persons	1.100 x 1.400	Single boarding	1.650 x 1.650					
		Doub. boarding at 180°	1.650 x 1.780					

\* For non-standard dimensions, consult the technical commercial department.  
 \*\* 3,700 mm for the Green ION.

## Vertical section



SPECIFICATIONS			
Nominal charge	375-630 kg	Elevator cabin height	2.100 mm (standard)
	5-8 persons		Max. 2.300 mm
Travel	Max. 33 m	Traction system	Lift without machine room, eco-friendly machine with no gearbox, frequency variation in closed loop, 2:1 suspension
	Max. 11 stops		
Boarding	Single or double boarding at 180°	Traction	Polymer cables
Door width	700	Speed	1 m/s
	800		
	900		
Door height	2.000 mm (standard)	Control	Collective going down, up and down Group operation up to 4 lifts
	Max. 2.200 mm (optional)		

# Characteristics and options

Control options		Tecno line of finishes	■	Mounted on the door frame	▲
Selective going down	■	Finishes in eco-friendly materials and metal	▲		
Group operation up to 4 lifts	▲	Ceramic finish flooring	▲	Accessibility	
Selective going up and down	▲	Elevator cabin height up to 2,100 mm	■	Double boarding at 180°	▲
Automatic return of lift cabin to main floor	▲	Elevator cabin height up to 2,300 mm	▲	Inductive loop for hearing aids	▲
Non-stop automatic operation	▲	Resin floor finish	■	Adjustable door open and close time	▲
Interface with building management system	▲	Floor prepared for customer installation up to 12 mm	■	Open-close door button	■
Door folds into door frame	■	Full-height mirror 550 mm wide	■	Audio indicator for floor stop, direction and door status	■
Floor access code (telephone keypad)	■	Lift cabin doors in hairline satin stainless steel	■	Floor access key / controlled access	▲
Connection to emergency generator / current	▲	Floor-level doors in painted steel (RAL 7032)	■	Compliance PACK EN 81/70	▲
Silent controls without contactors	■	Rear glass wall at medium height	▲		
Independent service	▲	Rear glass wall at medium height	▲	Performance	
VIP call service	▲	Glass doors at floor level	▲	High traffic doors	▲
				Remote monitoring and diagnosis	▲
Energy saving		Button panel inside cabin			
ION2 Drive energy regeneration	▲	Keypad with 10 push buttons (0-9)	■	Safety	
Automatic switching on/off of cabin lights	■	Frieze button panel with conventional layout, optional anti-tampering	▲	Manual evacuation	■
Low-consumption LED lighting	■			Automatic evacuation to the nearest floor	▲
Oil-free machine, gearless permanent magnet	■	Second elevator cabin button pad on the opposite side	▲	Detection and display of cabin overload	■
		Button panel inside cabin with matrix floor display of LED points in white	■	Two-way communication with our Customer Service	■
Design		Button panel inside cabin with 10.1" TFT	▲	Alarm with integrated monitoring	■
Counter-weight parachute	▲	Floor destination displayed on standard 10" TFT	■	Fire fighter specifications as per EN 81/73	▲
Reduced shaft escape	▲			Elevator cabin emergency lighting	■
Reduced shaft size	▲	Floor button pads		Infrared barrier for cabin access	■
Curved design handrails	■	Visual and acoustic call recognition	■	DYNAFAIN traction cable monitoring system	■
Straight-design handrails	▲	Unblock call by key	▲		
Enhanced LED lighting	▲	Position indicator	▲	Connectivity	
Comfort design line	■	Arrow direction indicator	▲	FAIN 360° connectivity system	■ *
Elegance and Elite design lines	▲	Wall mounted	■	FAIN 360° connectivity system	■ *

- Standard
- ▲ Optional

\*Only accessible with FAIN maintenance contract



## Branches

### Álava

C. Portal de Foronda, 5 Bajo  
01010 Vitoria-Gasteiz,  
Álava

### Arenas de San Pedro

Avda. Constitución 12  
05400. Arenas de San Pedro  
Tel.: 920 371 805

### Cantabria

Marqués de la Hermida, 3  
39009 Santander  
Tel.: 942 365 410

### Extremadura

C/ Francisco Guerra, 12  
Local 15  
06011 Badajoz  
Tel.: 924 98 19 16

### Huelva

Avda. Alemania, 86  
21002 Huelva  
Telf.: 959 251 800

### Málaga - Marbella

Antonio Montero Sanchez, 1  
Edificio Torre Marina, local 1  
29601 Marbella. Málaga  
Tel.: 952 823 814

### Segovia

Paseo de Ezequiel González, 9  
40002 Segovia  
Tel.: 921 439 941

### FAIN France

74 rue de Paris  
93130 Noisy-Le-Sec,  
Île-de-France (Francia)  
Tel.: +33 0134047119

### Irish Lift services. Ireland

Unit 6, Broomhill Business  
Park, Broomhill Rd, Tallaght,  
Dublin 23, D24 WK68a  
(Ireland)  
Tel.: (01) 4199800

### Alicante

Teulada 90  
03009. Alicante  
Tel.: 966 106 527

### Bizkaia

Andikollano, 55 Local  
48903 Barakaldo  
Tel.: 944 216 960

### Castellón

Riu de la Senia 3  
12005 Castellón de la Plana  
Tel.: 964 242 552

### Alicante - Gandía

Av. República Argentina  
115 - Bajo  
46701 Gandía  
Tel.: 966 106 527

### Madrid - Central

Dr. Esquerdo, 57  
28007 Madrid  
Telf.: 914 093 101

### Murcia

San Antón 28  
30009. Murcia  
Tel.: 968 286 874

### Sevilla

Avda. Diego Martínez Barrio, 1  
41013 Sevilla  
Tel.: 954 916 141

### Stalift By FAIN

Chaussée de Douai, 225  
7500 Tournai (Bélgica)  
Tel.: +32 (0) 69 64 95 99

### LSM Ascenseurs

Rte de Morrens, 8 - Cugy  
1053- Suisse

### Almería

La Garza 12  
04230. Huércal de Almería  
Tel.: 950 145 201

### Cádiz

Avenida José Manuel Caballero  
Bonald Urbanización Entre  
Parques III Titanio, 1, Local 2  
11405 Jerez de la Frontera  
Tel.: 956 543 634

### Cataluña

Caspe, 162-170  
08013 Barcelona  
Tel.: 932 601 800

### Gibraltar

42 Office, Royal Ocean  
Plaza OCEAN VILLAGE  
GX11 1AA Gibraltar,  
Tel.: 952823814

### Madrid - Sur

Móstoles, 38  
28943 Fuenlabrada  
Telf.: 916 063 400

### Navarra

Calle Badostáin, 52  
31620 Pamplona  
Tel.: 948 15 16 22

### Toledo

Av. Mas del Rivero 15  
45004 Toledo  
Tel.: 925 550 009

### FAIN Belgique Rensonnet

Au Fonds Râce 33  
04300 Waremmme,  
Lieja (Belgium)  
Tel.: +32 19 33 90 43

### Ávila

Paseo de Santo Tomas 26  
05003. Ávila  
Tel.: 920 371 805

### Canarias

Plaza de la Feria, 1, Edificio  
Marina 1 local 3  
35003 Las Palmas  
Tel.: 928 987 068

### Córdoba

Polígono Industrial De Chinales,  
parcela 31  
14007 Córdoba  
Tel.: 957 277 116

### Granada

C/ Torre de la cautiva, Esq.  
Torre de la Polvora, Local 4  
18008 Granada  
Tel.: 958 522 564

### Málaga

Avda. de Andalucía 31  
29006. Málaga  
Tel.: 952 306 020

### Salamanca

Paseo Enrique de Sena, 22,  
Local 17  
37007 Salamanca  
Tel.: 923 187 021

### Valencia

Ausias March, 10 - 14  
46006 Valencia  
Tel.: 961 525 428

### Irish Lift services. Dublín

Unit 12 GFD N5 Business Park,  
Moneen RD, Castlebar,  
Co. Mayo (Ireland)



Unit 6, Broomhill Business Park, Broomhill Road, Dublin 24. D24 WK68 | T.: (01) 4199800  
info@IrishliftServices.ie | www.IrishliftServices.ie

Unit 12GFD, N5 Business Park, Moneen Road, Castlebar, Co. Mayo, Republic of Ireland | T.: 098 66001  
info@westofirelandlifts.com