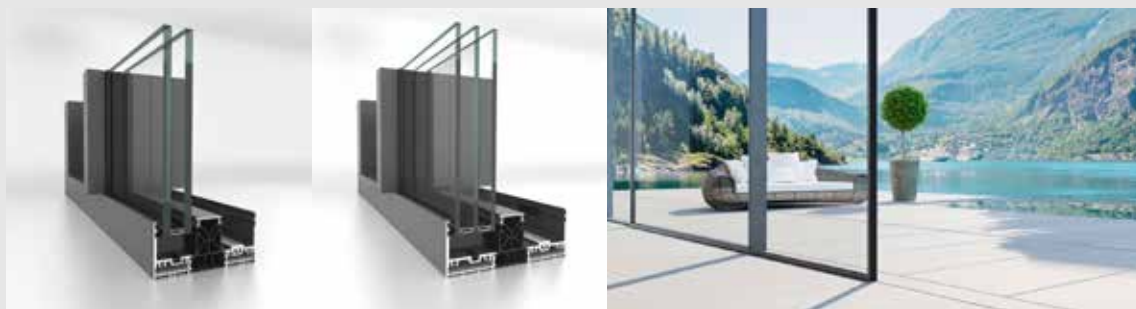




HiFinity

Your dream come true...

R
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aluminium



Ultimate design freedom.

Available in a wide variety of configurations with open or glass corners, large and connected glass panels, motorised sashes, pockets and alternative threshold solutions, HiFinity can wrap itself around any building. And for the most challenging requests you can rely on our project department to design and deliver a bespoke solution, tailored to your needs.

Ultimate luxury.

Designed to be invisible when you want it to be, but a closer look will reveal the high attention to detail. The excellent performances allow the system to be implemented equally comfortable in a residential suburban home as in a high-rise hotel near the seaside.

Ultimate solution.

All of this, in combination with the high energy performance and the minimalistic look, makes this product the go-to solution for low-energy contemporary architecture.



EXPERTISE

HiFinity's field of application is very broad, from residential homes to large high-rise towers. Years of experience in the field have increased our project knowhow and resulted in significant upgrades to the system, improving the experience for everyone involved, from architect to home owner.

INFINITE VIEWS

By integrating the aluminium profiles into the walls, the glass surfaces are extending from floor to ceiling, creating the ultimate minimalistic appearance, giving you a view without boundaries. The Floor Finish solution lets the threshold disappear below the flooring.

HI-END PERFORMANCES

HiFinity is not only an elegant architectural product. It has the performances to back up the ambitions of being a full-fledged sliding system, capable of being used anywhere, even in challenging environments.

MAXIMUM COMFORT

Linking multiple sliders to each other and a domotics system is easy with our thoroughly tested plug-and-play motor design. It enables the use of large, heavy sashes, with guaranteed optimum convenience during use. These large glass areas maximise the incoming light through the facade, creating a comfortable and spacious feeling inside.



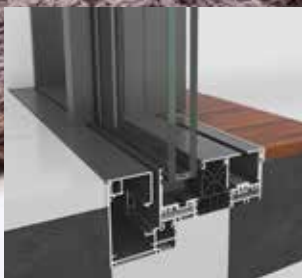
OPEN CORNER

A creative corner solution makes it possible to open up spaces without any fixed corner element. When the sliding door is open, the corner is entirely free, offering a unique solution for application in places where access to the exterior adds particular value, expanding the living area, e.g. residential homes, penthouses, holiday homes and hotels.



FLYSCREEN

HiFinity now comes with a Flyscreen option, providing even more comfort. The main benefit of this Flyscreen is that it is completely concealed inside the vertical frame when not in use, preserving the clean lines you chose HiFinity for in the first place.



PROFILE FINISH



FLOOR FINISH

ZERO THRESHOLD






HiFinity is always a zero threshold solution, but we also offer 2 alternatives:

PROFILE FINISH, lets you cover the track area, so the floor level remains the same everywhere, which is especially useful with multitrack solutions. **FLOOR FINISH**, lets you completely erase the system boundaries, by continuing the flooring on top of the system. When the door is opened, the bottom profile 'disappears'.

TECHNICAL CHARACTERISTICS

Variants		DOUBLE GLAZING	TRIPLE GLAZING
Height	Build-in frame	68 mm / 100 mm	
Visible width / height	Vent	8 mm / 10 mm	
	Meeting section	35 mm	
	Meeting section 4 doors	67 mm / 69 mm	
	Wall	35 mm	
Overall system depth	Frame	Duo Rail : 148 mm 3-Rail : 236.5 mm	Duo Rail : 180 mm 3-Rail : 284.5 mm
	Vent	44 mm	60 mm
Maximal element height		4000 mm	
Maximal weight	Manual vent	300 kg	
	Motorized vent	750 kg	
	Fixed glass pane	1200 kg	
Glass thickness		36.5-38.5 mm	52.5-54.5 mm
Glazing method		Structural glazing (sliding) + Standard glazing (fixed)	
Thermal insulation		52 mm fibreglass reinforced polyamide strips	

PERFORMANCES

ENERGY												
	Thermal Insulation ⁽¹⁾ EN ISO 10077-2	Uf-value down to 1.4 W/m ² K, depending on the frame/vent combination.										
COMFORT												
	Air tightness, max. test pressure ⁽²⁾ EN 1026; EN 12207	1 (150 Pa)		2 (300 Pa)			3 (600 Pa)		4 (600 Pa)			
	Water tightness ⁽³⁾ EN 1027; EN 12208	1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	E750 (750 Pa)	
	Wind load resistance, max. test pressure ⁽⁴⁾ EN 12211; EN 12210	1 (400 Pa)		2 (800 Pa)		3 (1200 Pa)		4 (1600 Pa)		5 (2000 Pa)		Exxx (>2000 Pa)
	Wind load resistance to frontal deflection EN 12211; EN 12210	A (≤1/150)				B (≤1/200)			C (≤1/300)			
SAFETY												
	Burglar resistance ⁽⁵⁾ EN 1628-EN 1630; EN 1627	RC 1				RC 2 ⁽⁶⁾				RC 3		

This table shows classes and values of performances, which can be achieved for specific configurations and opening types.

(1) The Uf-value measures the heat flow. The lower the Uf-value, the better the thermal insulation of the frame.

(2) The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.

(3) The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.

(4) The wind load resistance is a measure of the profile's structural strength, tested by applying increasing levels of air pressure to simulate the wind force.

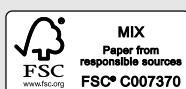
(5) The burglar resistance is tested by static and dynamic loads, as well as by simulated attempts to break in using specified tools.

(6) Only for motorized.



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H | F | N | I | T Y

Architect: Atelier d'architecture Franck Martinez

R
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'The world is your wallpaper -
extend your living room
to the outside'



Architect: Jo Van Laere - Photo: Christophe Van Couteren



View on the world

Contemporary architecture attempts to create perfect harmony between living spaces and environment. Indoor and outdoor areas become one, visual boundaries disappear.

The Hi-Finity sliding door is specifically designed to create a visual extension to the outdoors, a sense of space and allow maximum use of **natural light**.

Technical innovations have allowed Hi-Finity to combine minimalist design with maximum performance.

This way the user can enjoy a maximum view with a high level of comfort.

Maximum comfort

Comfort is a key driver for Hi-Finity. Thanks to the system's **high insulation** and with the availability of double and triple glazing, the sliding doors give a feeling of comfort and warmth.

The large glass surfaces reach from floor to ceiling, offering ultimate illumination. Fully integrated frames create a **flush threshold**, allowing for easy entrance and accessibility.







Architect: Valentín de Madariaga - Photo: Claudio Curia



Minimalist design

Hi-Finity is designed with an infinite view in mind. Thanks to innovative design, Hi-Finity is characterized by minimal visible sight lines. The **seamless integration** of the elements creates floor-to-ceiling glass surfaces, whilst at the same time fading the borders between the interior and exterior, creating the ultimate minimalistic appearance.

From a different angle

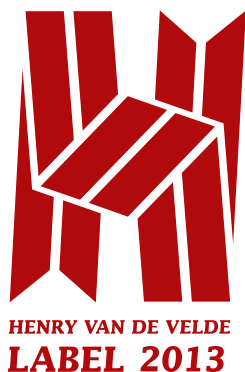
Hi-Finity maximizes architectural freedom to play with transparency and light. The system allows multiple configurations and opening types such as duo rail, 3-rail and central closing solutions, providing the option of up to six movable glass panes. In addition to that, the revolutionary corner solution makes it possible to merge in- and outdoors without any barriers.





Belgian design

Hi-Finity is conceptualized and engineered by Reynaers Aluminium in close cooperation with dedicated partners. In order to realise the concept, take out different breakthroughs in technology were made, resulting in a number of patented concepts within the system.



This level of overall quality is acknowledged by the **Henry van de Velde label**. This label, awarded to products with special attention for **innovative and aesthetic quality**, is handed out by Design Flanders. For Hi-Finity, this label underlines the meticulously designed and engineered details of this new dimension within Reynaers Aluminium's sliding door offering.

... internationally celebrated

The distinctive qualities of Hi-Finity appeal to people around the world. The aesthetics and innovative qualities have convinced and inspired several international juries, which has led to some new labels and awards for this modern system.

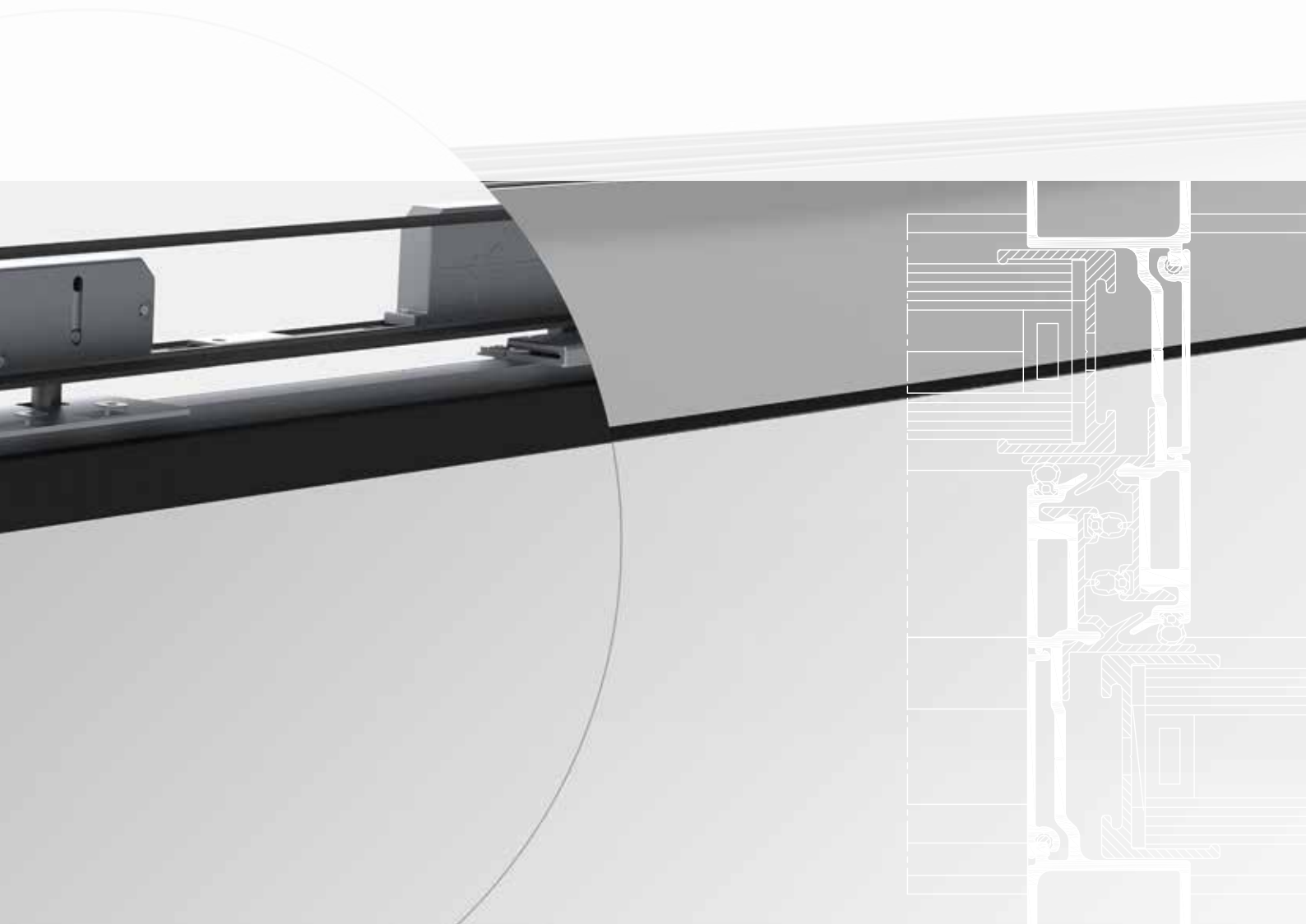


Thanks to the modern design, the superior performances and the variety of application Hi-Finity was named "Best of Category" for Building Shell by an international jury, composed of members of the 25 most influential architectural studios from all over the world.

Ultimate performance

Obtained through different sealing components, the excellence of Hi-Finity is proven by ultimate performance in **air and water tightness**. A Reynaers patented adjustable meeting section guarantees a perfect fit for elevated air tightness.





Classified **burglary resistance** class RC2, Hi-Finity also stands for **safety**. Thanks to the concept of a central locking mechanism, in combination with layered glass, Hi-Finity guarantees a high level of security. The electric locking and unlocking is realized by a robust bolt and hook, operated by a simple push of the button or via remote control, whilst giving visual feedback on the security position of the lock.

Fluent sliding

The dedicated wheel base ensures the fluid movement of the glass panes with even large opening surfaces easily operated manually. For a higher level of comfort a concealed motor allows you to open the vents with the push of a button, or by connecting the motor to your home automation system. This high performance motor guarantees optimum convenience during use and is a safe and reliable solution.





The handle

The specific character of Hi-Finity sliding doors is expressed by its unique handle. The **design** of this handle balances a minimalist presence with a strong expression. In a closed position, the handle makes a connection with the wall, seemingly melting into it.

As a part of the design, the **material of the handle** has been carefully studied and selected. The combination of the strong metal with the soft touch material proves the sense of detail which is key to Hi-Finity.



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Comfort motorisation

Product brochure



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HiFinity

Concealed slide motor

HiFinity is a premium system, only produced by certified fabricators. The concealed slide motor allows you to open vents with the push of a button, or by connecting the motor to your home automation system.

This high performance motor guarantees optimum convenience. It is a safe and reliable solution that provides an infinite view in excellent comfort. Despite its minimal visual sidelines, HiFinity's durable strength allows you to carry the weight of large sliding glass panes up to 750 kg, and fixed glass panes up to 1200 kg.

HiFinity motorised can only be produced by certified fabricators.



Features

- Fully concealed motor, no need for architects to worry about building construction adaptations or maximal ceiling height usage
- On-site auto-calibration for all lengths
- Minimum vent length 1300 mm and minimum 650 mm horizontal movement
- On-site automatic safety-calibration for installation sensitivity check
- Up to 8 slide motors in +80 synchronised solutions for opening design freedom
- Project support and tested up to 1200 kg / 20.000 cycles
- Adaptive speed profile for maximum safety
- HiFinity can be upgraded to motorisation with easy integration and no on-site milling, this by pre-installing some of the motorisation components.
- New easy and improved wiring thanks to slide hub and cabinet hub
- Diagnostics on site via LED indicators of cabinet hub

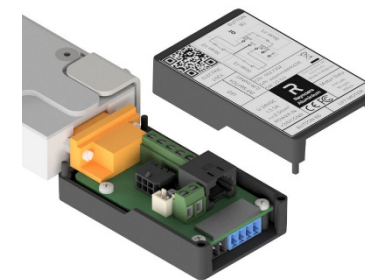
MOTOR VARIANTS

80 kg - 425 kg slide systems

426 kg - 750 kg slide systems

062.7352.– slide motor 50 W version

062.7353.– slide motor 70 W version



Slide hub



Cabinet hub

HiFinity

Electric lock (062.8262.-)

HiFinity with an electric lock creates a secure and care-free environment where you do not have to worry about uninvited guests.

The sliding door features a robust bolt, operated locally by a button or via your Smart Home or Building Management System. It can also be unlocked from outside with one of our integrated Access Control solutions. Additionally, the integrated alarm feedback helps ensure full peace of mind.

Drop bolt lock features:

- Alarm feedback directly from lock (in position and locked)
- Concealed installation, better tolerances
- Can be upgraded to motorised sliding: pre-motorisation as option upfront in workshop

Benefits:

- Optimal comfort and security (RC2)
- Ease of installation due to cables with coloured connectors
- LED feedback on push button on status
- Alarm feedback contact
- Option for ventilation position: ventilation extension for connection rod (art. 062.9550.-)



MasterPatio

Concealed lift & slide motor

MasterPatio is perfectly aligned with our MasterLine windows and doors to inspire beautiful and completely customisable façade solutions. The timeless and durable design always matches your taste and personality, as the ultimate expression of masterful living comfort.

Crafted by Masters, MasterPatio takes your home to the next level with its varied architectural possibilities.

Thanks to its sustainable materials and superior thermal performance, which reaches Passive House insulation standards, this floor-to-ceiling solution is both beautiful and futureproof. The motorised Monorail Lift-&-Slide variant offers additional comfort with 400 kg opening vents of up to 3.6 m in height.

Certification is required to fabricate the motorised MasterPatio.



Features

- Fully concealed motor, no need for architects to worry about building construction adaptations or maximal ceiling height usage
- On-site auto-calibration for all lengths
- On-site automatic safety-calibration for installation sensitivity check
- Monorail motorisation only
- Single motor setup only: Element Controller is not required
- Minimum vent width of 1150 mm and minimum 650 mm horizontal movement
- Minimum vent height of 1645 mm and maximum 400 kg for lift motor

- Opening types Monorail Outside Glazing (OG): XQ, XQX, QXQ, QXXQ, XQVQ In & Out, XQVQX In & Out
- Opening types Monorail Inside Glazing (IG): XQ, XQX, QXXQ, XQVQ In & Out, XQVQX In & Out

- Minimal length sliding vent >1150 mm with +120 mm for fixed vent flush opening
- Spring loaded cable transfer to moving vent
- RC2 burglarproof conformity
- New easy and improved wiring thanks to slide hub and cabinet hub
- Diagnostics on site via LED indicators of cabinet hub

MOTOR VARIANTS

400 kg slide motor for Lift & Slide systems

062.7300.– slide motor 50 W
MasterPatio-LS

400 kg lift motors

062.7306.– Lift motor (h= 2600 mm)
062.7307.– Lift motor (h= 2800 mm)

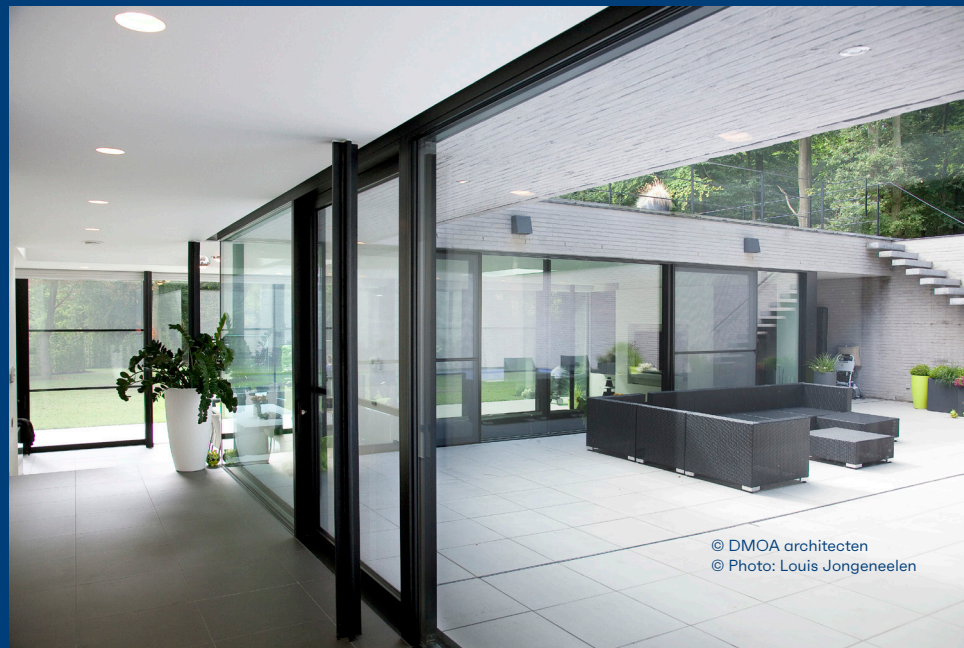
ConceptPatio 155

Concealed lift & slide motor

To bring comfort motorisation to an even broader audience, we have fitted the tested-and-approved slide motor of HiFinity into the widely available ConceptPatio 155-LS system.

By linking an additional fully concealed lift motor, we have created a high performance lift-slide system that combines clean design with superior functional comfort on the sliding vents. Thanks to the synchronisation of multiple motors with an Element Controller, easy operation and controlling is guaranteed at all times.

ConceptPatio 155-LS is a trusted insulating lift-slide system that can only be motorised by certified fabricators.



Features

- Fully concealed motor, no need for architects to worry about building construction adaptations or maximal ceiling height usage
- On-site auto-calibration for all lengths
- On-site automatic safety calibration for installation sensitivity check
- Slide motor 50 W and lift motor for up to 400 kg vent weights

- Automated heavy vent weight: lifting and sliding combined vents of up to 400 kg in total weight.
 - Minimal length sliding vent 1150 mm with +130 mm for fixed vent flush opening
 - Multiple opening types supported by Element Controller
 - Wireless cable transfer to moving vent

MOTOR VARIANTS

400 kg slide motor for Lift & Slide systems

062.8280.- slide motor 50 W
ConceptPatio 155-LS

400 kg lift motors

062.8290.- Lift motor (h= 2600 mm)
062.8344.- Lift motor (h= 2200 mm)

Element controller

Synchronisation

The new Element Controller offers easy and fast installation to all supported opening types. Residents enjoy safe and easy control thanks to synchronising motors of single elements and integration options for Building Management Systems or Smart Home Solutions.



Features

- More than 80 HiFinity setups, 6 setups for ConceptPatio 155-LS
- Synchronisation of up to 8 slide motors in a single element
- RBus: highly reliable and robust proprietary motor communication protocol based on RS485; longer cables, low signal interruption and multiple motors in daisy chain

Element Controller is mandatory for synchronisation in the following situations:

- Single control for one or multiple vents
- Collision prevention between heavy moving vents by position-based, closed-loop movement control
- High safety performance by motor current and position-based SAFETY control per motor
- Easy setup via free PC software
- Advanced configuration options
- Easy control interface for electricians or BMS by extensions
- Over-the-air updates
- Built-in KNX
- Easy diagnostics on site, possibility to recalibrate by the push of a button

062.8710.-


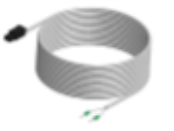






Technical characteristics motors

CHARACTERISTICS	
Minimal length sliding window	>1300 mm for HiFinity >1150 mm for ConceptPatio 155(-LS) >1150 mm with +120mm for fixed vent flush opening for MasterPatio(-LS)
Vent weight	Starting from 80 kg
Voltage	24 V DC +/- 10%
Current slide motor	2 A nominal, 2.5 A peak - 50 W motor 2.5 A nominal, 3.5 A peak - 70 W motor
Current lift motor	1 A nominal, 2 A peak
Current drop bolt lock	1 A nominal, 1.3 A peak
Power supply requirements	Regulated switching power supply with overheat, short circuit safety
Travelling speed sliding	+/- 7 cm per second
Safety	PSPE, contact-based pressure sensitivity based on current monitoring
Enclosure class	IP20, when built in according to the catalogue guidelines
Lock	HiFinity: drop bolt system, fail-secure ConceptPatio 155(-LS): lift motor locks the vent, fail-secure
Slide motor power rating	50 W or 70 W

Additional accessories for plug & play solution: e-cabinets and pre-made cables

E-CABINET	MOTORISED SLIDING 062.8246	MOTORISED SLIDING 062.7348 NEW
Use cases	Motorised ConceptPatio 155-LS Manual HiFinity with electric lock	Motorised HiFinity Motorised MasterPatio
Technical details	+24 V DC & 5 A Battery back-up	+24 V DC & 5 A Battery back-up
Instruction video	https://uqr.to/reynaersaluminium/motorisedsliding	On-site diagnostics via cabinet hub & new element controller https://uqr.to/eCabinet5A

PRE-MADE CABLES				
Power supply cable 062.8217 (10m)		Push button cable 062.8219 (10m)		Push button with LED and cable (frame mounting) 062.7314 (10m) NEW
Motor cable 062.8583 (3m) 062.8584 (10m)		Push button cable with connector 062.8222 (10m)		Motor power cable 062.7317 (10m)
Electric lock cable 062.7360 (0.5m) 062.7361 (5m)		Push button cable with connector and LED 062.8547 (10m)		Motor signal cable (FTP cat6) 062.7316 (10m)