

Comfort motorisation

Product flyer



Reynaers
Aluminium

Windows.
Doors.
Curtain Walls.



HIFINITY

Concealed slide motor

HiFinity is an exclusive system, only produced by certified fabricators.

Concealed slide 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 that allows our customers to enjoy an infinite view with a high comfort.

Despite the minimal visual sidelines, the systems high strength allows HiFinity to carry the weight of a large sliding glass pane up to 750 kg and fixed glass panes up to 1200 kg.



Features

Fully concealed motor, no need for architects to keep in mind building construction adaptations and maximal ceiling height usage

Onsite auto-calibration for all lengths

Minimum sash length 1300 mm

Onsite automatic safety-calibration for installation sensitivity check

Up to 8 slide motors in +80 synchronised solutions for maximum freedom

Motor variants:

- 062.8252 from 80 kg – 425 kg with 50 W version
- 062.8253 from 425 kg to 750 kg with 70 W version

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 without on-site milling by pre-installing some of the motorisation components.

Electric lock

HiFinity with electric lock creates a secure and carefree environment where our customers do not have to worry about unwanted guests. The door is locked and unlocked using a robust bolt operated locally by a button or via a Smart Home or Building Management System remotely and also can 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)
- Easy installation, better tolerances
- Upgradable to motorised sliding: pre-motorisation as option upfront in workshop

Benefits:

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



CONCEPT PATIO 155

Concealed lift & slide motor

To bring comfort motorisation to even broader market, we have fitted the proven slide motor of HiFinity system into Concept Patio 155-LS.

By linking an additional lift motor we created a high performance lift-slide system with clean design, with fully concealed motorisation solution, with high comfort function on sliding vents.

Due to synchronisation of multiple motors with an Element Controller, easy operation and controlling is created for our customers.

ConceptPatio 155-LS is a premium insulating lift-slide system, which can be motorised only by certified fabricators.



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Features

Slide motor 50 W and lift motor for max up to 400 kg sash weights

Automated heavy vent weight: lifting up to 400 kg and sliding combined multiple sashes up to 600 kg total weight.

- Minimal length sliding vent 1150 mm with +130 mm for fixed vent flush opening
- Multiple opening types supported with Element Controller
- Wireless cable transfer to moving vent

Motor variants:

- 600 kg slide motor for Lift-Slide systems
 - 062.8280.- slide motor 50W CP 155-LS
- 400 kg lift motors:
 - 062.8343 lift motor 400 kg (h=2m60)
 - 062.8344 lift motor 400 kg (h=2m20)



Synchronisation

The Element Controller provides easy and fast installation, all supported opening types with safe and easy control by synchronising motors of single elements and also integration options towards Building Management Systems or Smart Homes.



Features

More than 80 HiFinity setups and 6 Concept Patio 155-LS/MasterPatio-LS.

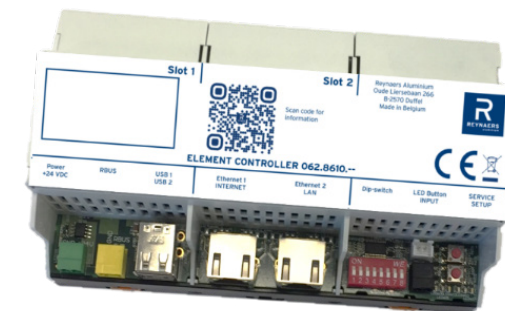
Two extension boards slots for: KNX compatible systems as input buttons, 3 extra input buttons or 2 output signalisation contacts.

Up to 8 slide motors synchronisation in a single element.

RBus: high reliable and robust own 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 and maintenance for installer via manual PC-less setup or web based guided setup
- Advanced configuration options
- Easy control interface for electricians or BMS by extensions



Technical characteristics motors

CHARACTERISTICS	
Minimal length sliding window	>1150 mm for Concept Patio 155 (-LS) >1300 mm for HiFinity
Sash weight	Starting from 80 kg
Voltage	24 V DC
Current slide motor	1 A nominal, 2.5 A peak - 50 W motor 1 A nominal, 2.5 A peak - 70 W motor
Current lift motor	1 A nominal, 2 A peak
Current Element controller	0.75 A nominal
Power supply requirements	Regulated switching power supply with overheat, short circuit safety
Travelling speed	+/- 7 cm per second
Safety	PSPE, contact based pressure sensitive based on current
Enclosure class	IP20, when built in according to the catalogue guidelines
Lock	HiFinity: Drop bolt system, fail-secure Concept Patio 155 (-LS): Lift motor locks the vent, fail secure

GET IN TOUCH

Interested or seeking detailed technical information? Contact Fenster Castle (Certified Fabricator of Reynaers Aluminium) at info@fenstercastle.com or 647-643-3311 for further details. Visit our website at www.fenstercastle.com.



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

E-CABINET	MOTORISED SLIDING 062.8246	MULTIPLE MOTORS (2 to 4) 062.8247
Use cases	Reynaers Aluminium lift and/or slide motorised sash	Reynaers Aluminium lift and/or slide motorised sash
Technical details	+24 V DC & 5.5 A Battery backup	+24 V DC & 10 A Battery backup Element controller
Instruction video	https://uqr.to/reynaersaluminium/motorisedsliding	https://uqr.to/reynaersaluminium/multiplemotors



PRE-MADE CABLES				
Push button cable with connector and LED 062.8547 (10m)		Power supply cable 062.8217 (10m)		Rbus cable 062.8580 (0.5m) 062.8548 (5m) 062.8574 (10m) 062.8575 (15m)
Push button cable 062.8219 (10m)		Motor cable 062.8583 (3m) 062.8584 (10m)		
Push butoon cable with connector 062.8222 (10m)		Electric lock cable 062.8546 (5m) 062.8579 (0.3m)		

