

# Comfort motorisation

Product brochure



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Doors.  
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[euroamericawindows.com](http://euroamericawindows.com)

# 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.



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© Photo: Louis Jongeneelen

## 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	400 kg lift motors
	062.8280.- slide motor 50 W ConceptPatio 155-LS	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.-

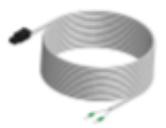


## Technical characteristics motors

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	+24 V DC & 5 A	
	Battery back-up	Battery back-up	
	-	On-site diagnostics via cabinet hub & new element controller	
Instruction video	<a href="https://uqr.to/reynaersaluminium/motorisedsliding">https://uqr.to/reynaersaluminium/motorisedsliding</a>	<a href="https://uqr.to/eCabinet5A">https://uqr.to/eCabinet5A</a>	

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)	