



»BALCON AUTOMATICO PARA EDIFICIO MARCA KAWNEER MOD.BLOOMFRAME.

Bloomframe®

Creating different living spaces



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Bloomframe®

Interactive balcony window
for both new building and renovation.



Architectural concept

Main applications: individual dwellings and apartments, hotels, commercial and public buildings.

Highlights

- 3 models: L, XL, XXL.
- Fixed overall height of the aluminium frame: 2,360 mm.
- Variable overall width of the aluminium joinery:
1,700 mm – 2,300 mm – 3,000 mm.
- Guard rail height: 1,220 mm.
- Balcony available depth: 1,080 mm.
- Window aperture in two horizontal, hinged parts.
- Opening/closing control interface through touch screen.
- Partial (ventilation) or total (balcony/patio function) motorised opening outwards.
- Double glazing on the upper horizontal part of more than 33.8 mm (up to 47.5 mm on request).
- High resistance double glazing on the lower part (56.28 mm)
- Customisable interior trim and lateral guard rails with solid colours.
- Anti-corrosion surface treatments.
- Motorised locking and unlocking (4 point locks + 2 stop points).
- Optional safety functions: anemometer, temperature sensor.
- Optional comfort functions: spotlights, lower horizontal panel glazing colored/opaque (on request).
- 220V/50 Hz and 110V/60 Hz power supply.
- Acoustic comfort: up to 38dB RA,tr.
- Tested over 20,000 opening/closing cycles.
- Disability compliant.
- Tunnel and face mounted installation.



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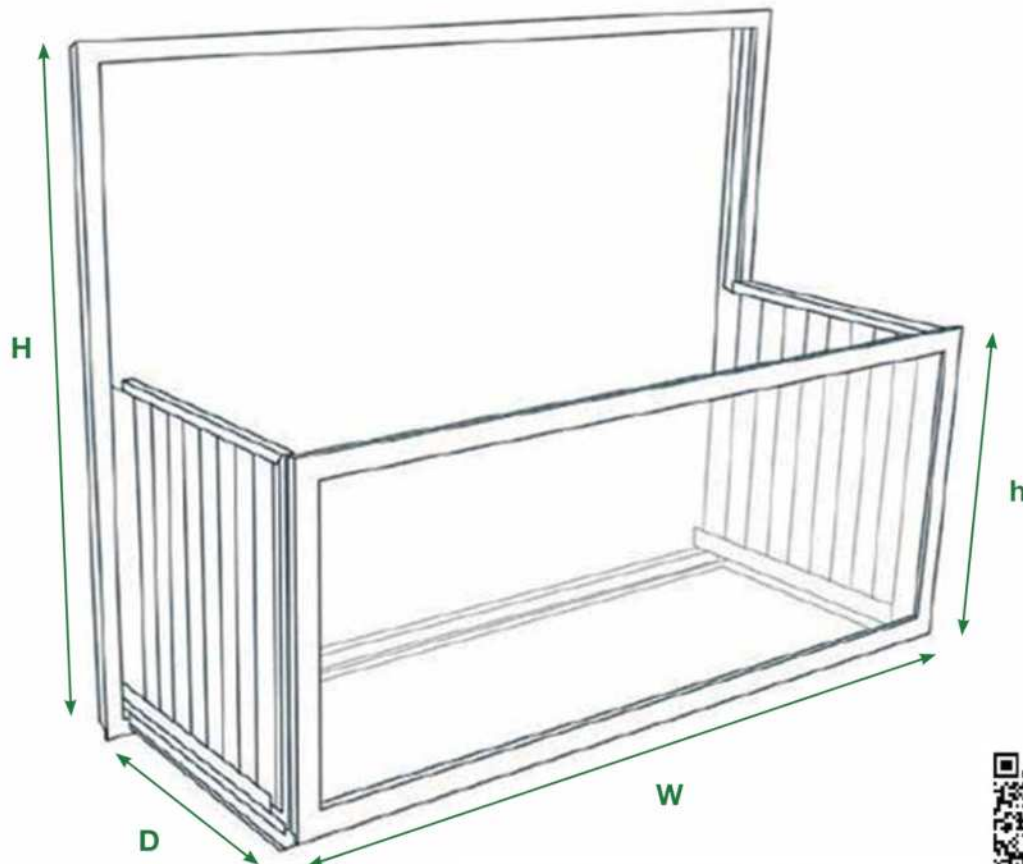


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Model/ dimension	H height*	W Width*	D Depth*	h height of guard rail*
L	2 360	1 700	1 100	1 220
XL	2 360	2 300	1 100	1 220
XXL	2 360	3 000	1 100	1 220

* Outsided view of aluminium

- **Max. installed weight of a Bloomframe®:** 670 kg.
- **Opening and closing times:** 55 seconds.





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Interactive balcony window.

Opening/closing cycles.



1 Closed position



2 Ventilation position



3 Intermediate position



4 Intermediate position



5 Intermediate position

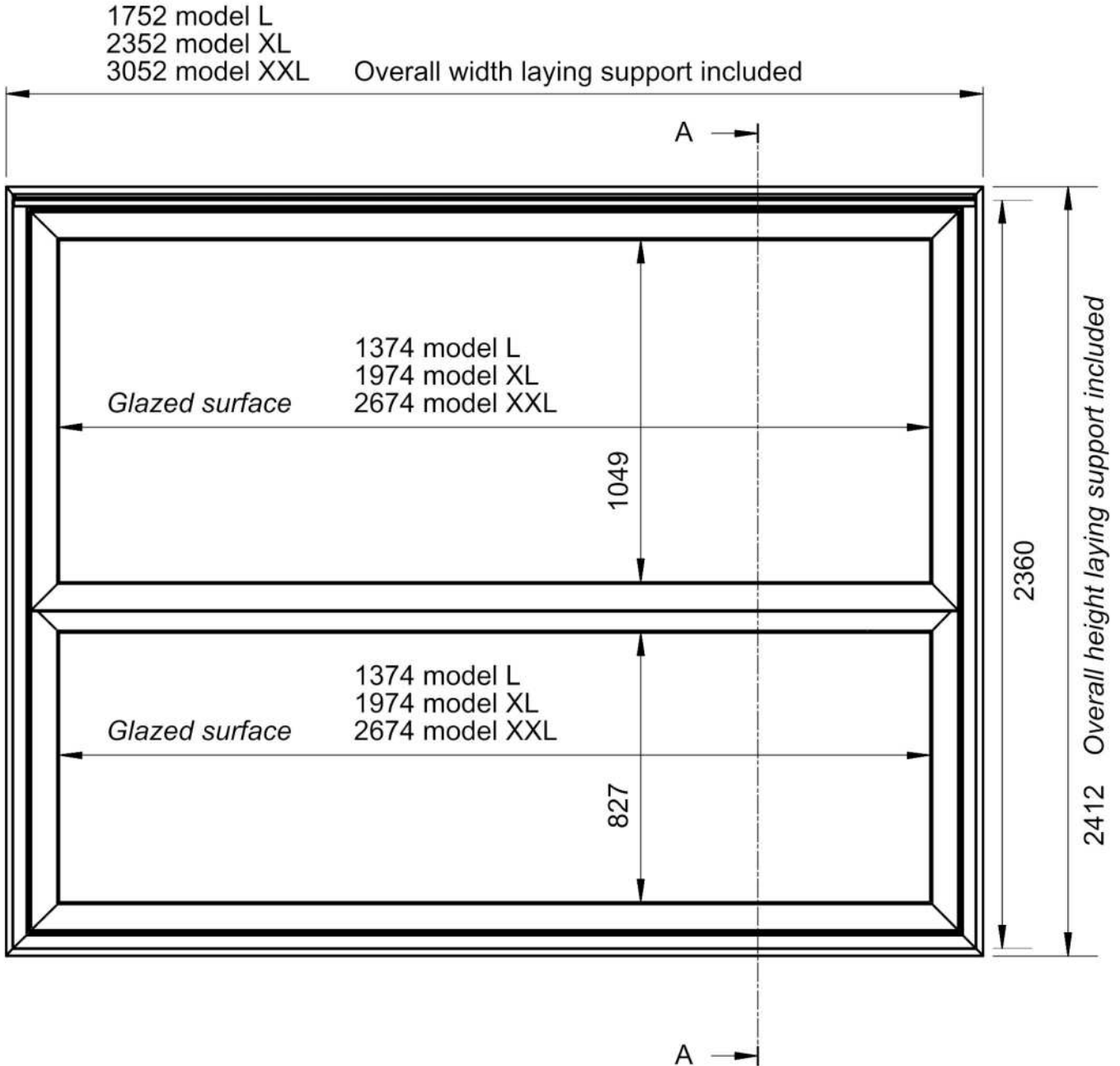


6 Balcony/patio position





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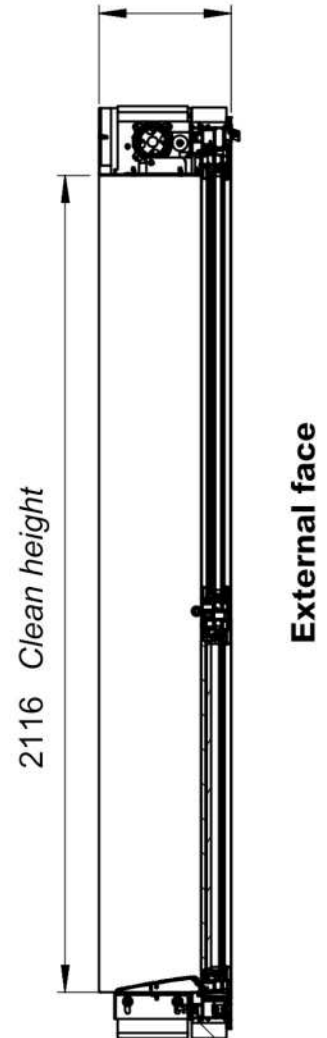




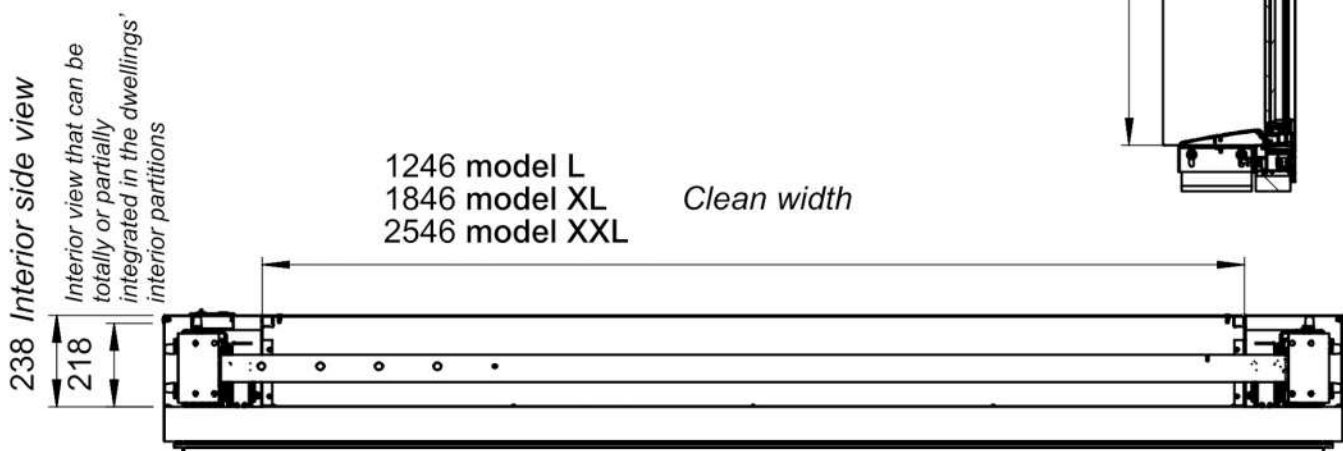
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Section A-A

Width 343



- Mechanism opening/closing
- Aluminium slats closing the sides of the balcony
- Safety arm + chain for opening and closing



External face



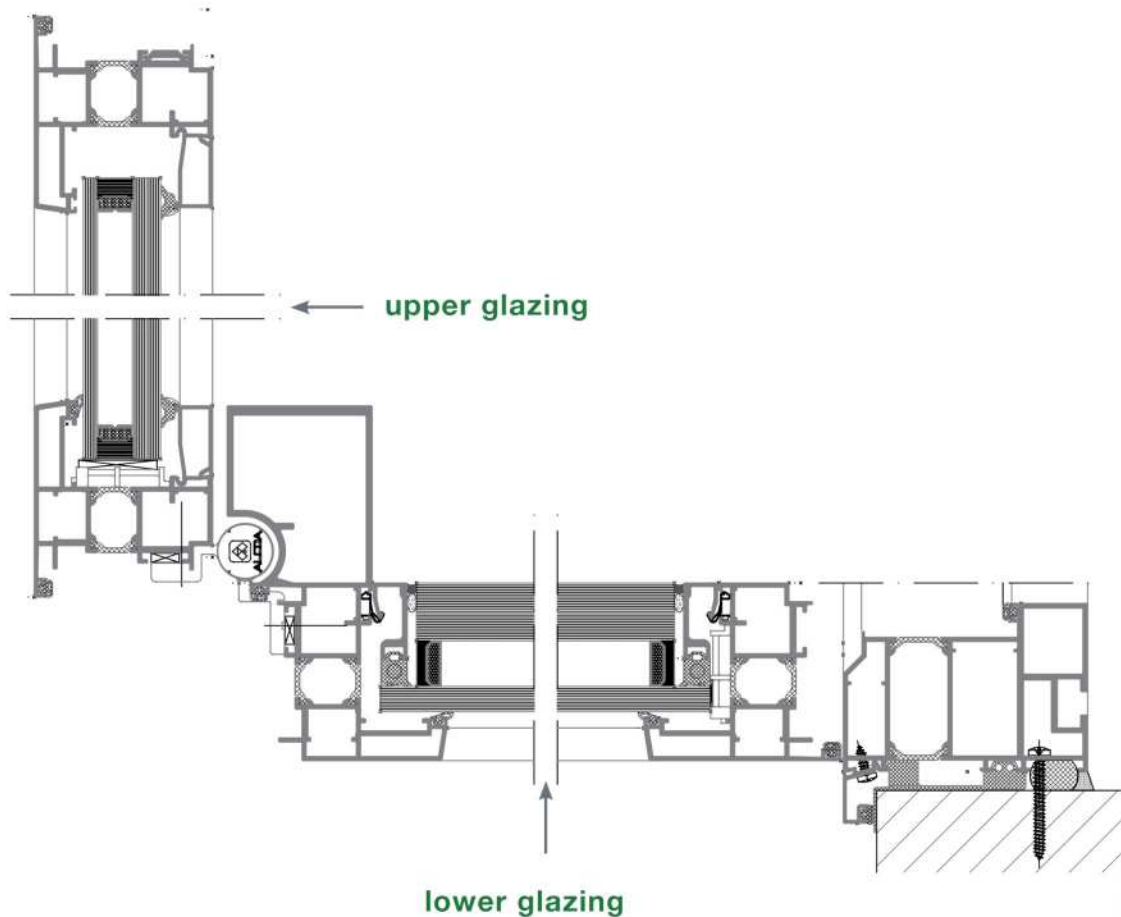
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Min./max. glazing thickness

Glazing	Type	Min. thickness	Max. thickness
Lower panel	Double	56,28 mm	56,28 mm
Upper panel	Double	33,8 mm	47,5 mm



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Energy, weathering, acoustic, mechanical
and electrical performances

Tests	Performances
Weathering	A*4 E*8A V*C3
Uw	Up to 1.4 W/m ² K (Ug = 1.0)
Acoustic	38 dB R _{tr}

Tests	Performance
	20,000 opening/closing cycles
Maximum floor load	350 kg/m ²
Magnetic field resistance	Compliant with European and American electromagnetic standards (EN/F)

Additional testing

- Impact with hard body and soft body on closed window and open balcony.
- Window casement free fall.
- Door threshold sealing test.
- CE conformity of the machine function in accordance with:
 - Machines Directive 2006/42/CE
 - Low Voltage Directive 2006/95/CE
 - EMC Directive 2004/108/CE





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• **Tactile interface for control and instructions**

- Opening/closing
- User information
- Maintenance management

Manual opening and closing system in the event of power failure



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Additional functions

Bloomframe® interactive balcony window can also be provided with additional options:



- **Anemometer and support:**

To perfectly manage opening and closing of Bloomframe® in relation to wind speed.



- **Presence detector:**

- As an additional security feature to the two-hand hold-down safety switch,
- Blocks opening/closing of the window when an obstacle is detected.

- **3 spotlights:**

Ambient lighting to take advantage of Bloomframe® during the night.

- **Temperature sensor:**

Holds back opening of Bloomframe® if the outside temperature is higher or lower than the set limit





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There are three options for the lower panel (floor):

Transparency + transparency (floor)



Transparency + sandblasted glazing (floor)



Transparency + colored glazing (floor)

see options on p.15



2 : Aquamarine illustrated

Glazing compliant with the standards for protection of property and people. EN12600 & EN356.





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Lower panel colors



G : Absolute Black



9 : Artic Snow



A : Cool White



1 : Coral Rose



C : Deep Red



7 : Evening Shadow



H : Ocean Grey



F : Polar White



5 : Ruby Red



6 : Sapphire



3 : Smoke Grey



D : True Blue





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Integral

All RAL color schemes.



Textural

A pronounced grain to capture the light under all its colors.



Textural Evolution





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Pictural

A sanded touch combined with an elegant color palette.

Blanc trafic 9016P	Gris lumière 7035P	Gris basalt 7012P	Gris anthracite 7016P	Noir profond 9005P
Aluminium blanc 9006P	Aluminium gris 9007P	Ivoire clair 1015P	Gris beige 1019P	Brun noyer 8011P
Rouge pourpre 3004P	Rouge vin 3005P	Gris jaunâtre 7034P	Brun sépia 8014P	Vert pâle 6021P
Vert de mai 6017P	Vert mousse 6005P	Bleu pastel 5024P	Bleu saphir 5003P	Bleu signalisation 5005P

Anodised



Natural hue

Other colours

May be available
- please enquire





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