

SKYLINE NOFORCE | series 78 Modern with embedded bottom track MINIMAL TIMBER LIFT AND SLIDE SYSTEM with magnetic levitation

Skyline Noforce is Carminati's innovative minimalist timber lift-and-slide system from the Skyline Minimal Frames collection, distinguished by the use of **passive magnetic levitation technology**. This enables the effortless operation of large sashes weighing up to 1000 kg, virtually eliminating friction. The absence of traditional mechanical components reduces wear over time, ensuring smooth, silent, and long-lasting sliding performance. The system also delivers excellent thermal and acoustic insulation, as well as outstanding weather tightness, making it ideal for large glazed surfaces. A high-end solution that combines advanced technology, user comfort, and minimalist design.

With a **visible profile of just 37 mm** and a fixed frame measuring 45 × 184 mm, it optimizes the ratio between glazed surface and structure, significantly increasing natural light intake. The system configuration enhances seamless visual continuity between interior and exterior, reducing the perception of architectural boundaries and elevating transparency as a primary design element.

Carminati patented technology

The recessed floor track by Carminati is the result of a patent developed in 2012. The fiberglass guide, manufactured as a single monolithic block, integrates the sliding system, ensuring strength and long-term durability. A flexible sealing strip protects the track cavity from dust and impurities, maintaining maximum smoothness of movement. Combined with the recessed track, the magnetic sliding system developed by Ironlev makes the Skyline lift-and-slide even more advanced and refined. Each lift-and-slide system is made to measure: our technical department is available to develop the most suitable solution for the project's requirements, going beyond standard dimensional limits.

Technical specifications – Skyline Noforce series 78 Modern

Visible sash thickness	37x78 mm	Ug value	1.0 W/m²K
Fixed frame profile	45x184 mm	Hardware burglar resistance classification	RC2 (RC3 on request)
Minimum standard glazing	33.1/24/33.1 Argon + Low-E	Maximum sash dimensions and weight	6000x3000 mm manual opening with magnetic levitation 400 kg < 700 kg
Water tightness	Class 9A (EN 12208)		
Air permeability	Class 4 (EN 12207)		
Wind resistance	Class C1 (EN 12210)		
Frame thermal transmittance (Uf)	2,15 W/m²K (fir) 2,55 W/m²K (oak)		
Overall window thermal transmittance (Uw)	1,18 W/m²K (fir) 1,22 W/m²K (oak)	Sample size	4000x3000 mm

Finishes and customization

Each sliding system is manufactured in-house with artisanal precision and made to measure. Skyline Noforce is available in laminated timber (spruce, oak, larch, and Sapelli mahogany among the most commonly used species), or in a timber-metal version with external cladding in aluminium, steel, or bronze. The wide range of wood species and finishes allows the system to be adapted to any high-end residential or contract project.

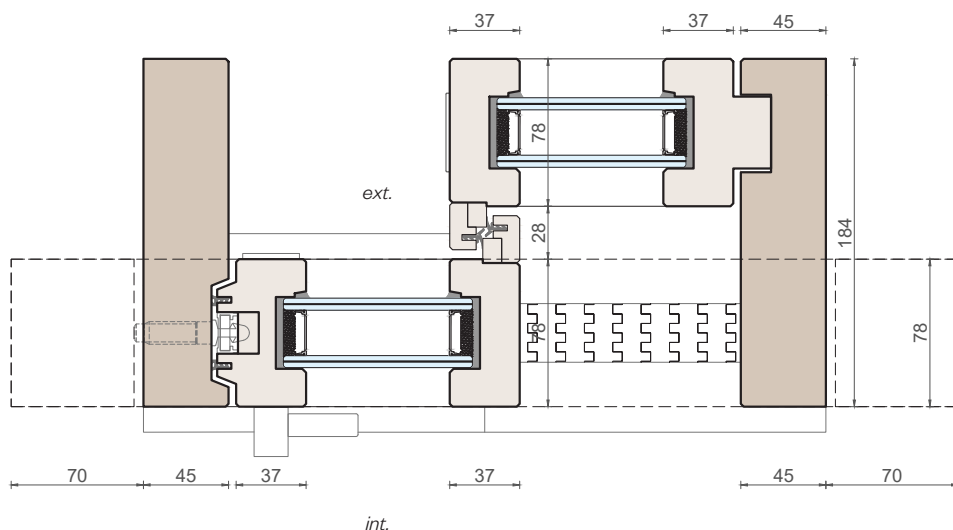
Designed for

Skyline Noforce is the choice of architects, interior designers, and general contractors working on luxury private residences, hotels, and international contract projects, where the lift-and-slide system must integrate into the architectural design as a distinctive element - not as an accessory.

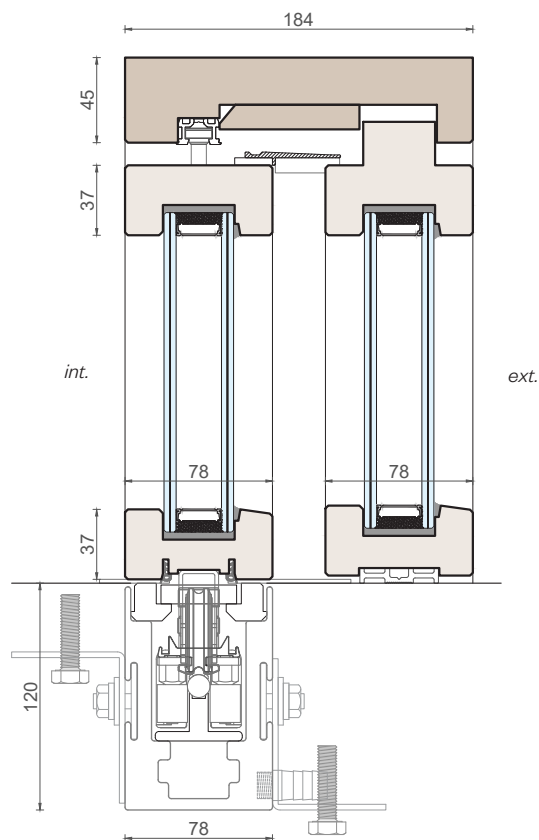
SKYLINE NOFORCE | series 78 Modern with embedded bottom track

MINIMAL TIMBER LIFT AND SLIDE SYSTEM with magnetic levitation

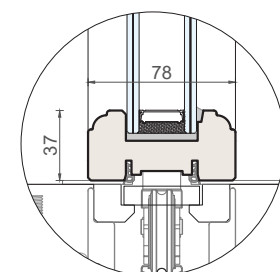
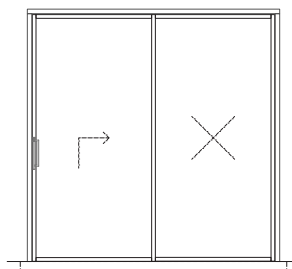
Horizontal section



Vertical section



Elevation view

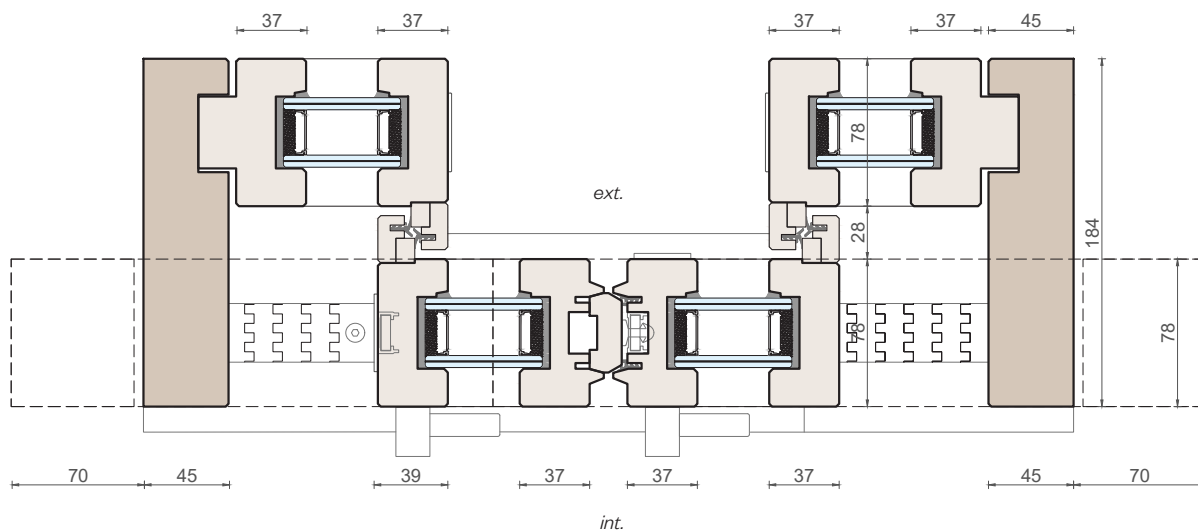


Skyline Classic version

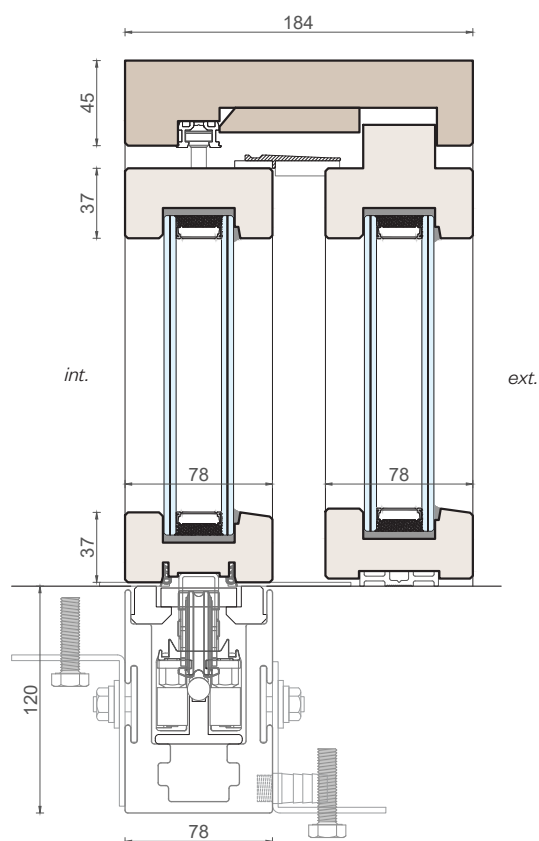
SKYLINE NOFORCE | serie 78 Modern con guida incassata

ALZANTE SCORREVOLE MINIMALE IN LEGNO a levitazione magnetica

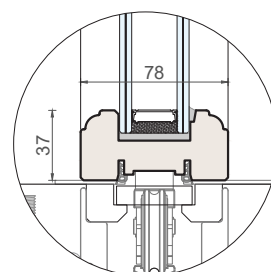
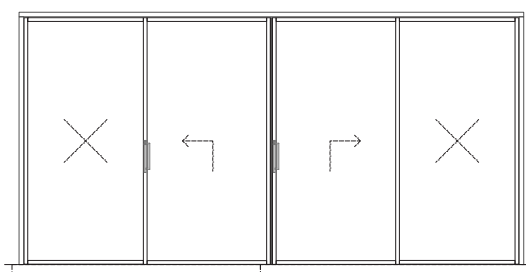
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Elevation view



Skyline Classic version