EXLABESA
ARCHITECTURE

Massive. Beautiful.
Efficient.

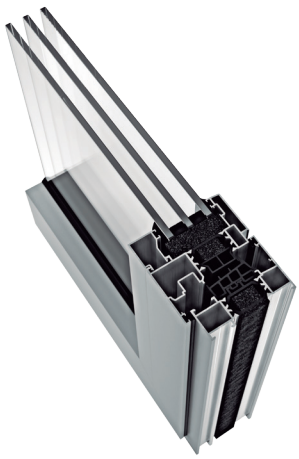
RS-77 HH

Hinged system with thermal break.

In response to growing awareness of energy efficiency, new construction models are emerging that aim to make buildings more sustainable. **Exlabesa's RS-77 HH** system combines a modern and contemporary look with optimum technical performance, with particular emphasis on safety and energy saving.

Features

- 16 Groove hardware
- Concealed hardware option, applicable to hinged, tilt-and-turn and micro-ventilation windows.
- EPDM sponge central seal that reduces thermal transmission and improves acoustic insulation
- Environmental Product Declaration EPD



TECHNICAL FEATURES

Design

The **RS-77 HH** sash window has a contemporary look that adds elegance to any building. The straight lines of its structure bring it into line with contemporary architectural canons and it is at its most expressive in the version with concealed fittings.

Features

The **RS-77 HH** range of hinged windows with a 16 Channel system has a frame depth of 77 mm and 35 mm of polyamide for the thermal break. It has a multitude of adjustable locking points and its leaves are reinforced with hardware that completely covers its channels.

Benefits

The **RS-77 HH** system is designed for high energy efficiency, achieving Class 4, E1500 and CE3100 ratings in air permeability, watertightness and wind resistance tests. It is possible to insert cellular polyethylene foams in the cavities, achieving the best value in the range in terms of thermal transmittance, with a Uf of 1,3 W/m^{2}K.

Possibilities

The **RS-77 HH** series offers virtually all types of opening, including folding and tilt and turn. A concealed hardware version is included, as well as a range of frame and sash sizes to suit specific requirements.

Max. recommended dimensions (LxH)*	1400x2400 mm
Maximum recommended weight**	150 kg/sash
Maximum glazing	62 mm
Polyamide	35 mm
Thermal insulation U_w***	Up to 0,8 W/m^{2}K
Thermal insulation U_f	1,3 W/m^{2}K

Weather test results for a 2-sash window 1230x1480 mm
* For a 1 sash window
** Depending on the dimensions and type of opening
*** For a 1 sash window 1100x2200 mm

Air permeability ▶ Class 4

1 2 3 4

Watertightness ▶ Class E1500

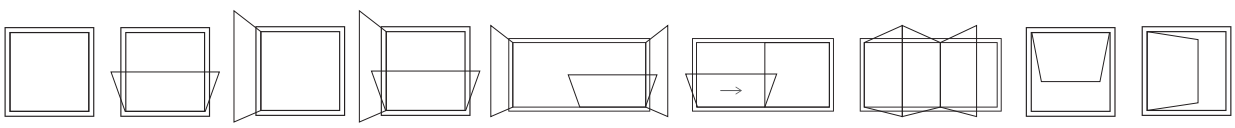
1A 2A 3A 4A 5A 6A 7A 8A 9A E1500

Wind load ▶ Class CE3100

C1 C2 C3 C4 C5 CE3100

Acoustic insulation Rw

42 dB$_{(-1;-2)}$



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