



## VIKING OUTWARD OPENING TRIPLE GLAZED WINDOW

Viking Window AS is an Estonian company which started the production of wood windows and exterior doors in 1997. Today the company has become one of the leading manufacturers of wood and aluminum clad windows and doors. Its products are highly valued on the international market. In addition to the United Kingdom and Ireland, Viking Window products are sold to Sweden, Norway, Denmark, Iceland, France and Japan. Viking Window is renowned for the high quality of the products, customer service and short lead times. All products are made to measure from environmentally friendly materials sourced sustainably.



Since 2000 Viking Window AS quality management system complies with the ISO 9001 standard. Since 2005 company's environmental management system complies with the ISO 14001 standard.



The mark of responsible forestry

Since 2007, we have the FSC Chain of Custody certificate which proves that we use timber from responsibly managed forests.



In 2009 compliance to Norwegian Door and Window standards was certified.

Our production methods also comply with the British standard, BS 644.

### Energy Saver - Viking Outward Opening Triple Glazed Window

Viking Triple Glazed Wooden Window is an answer to today's need of higher energy efficiency in package of Nordic design - slim frame profiles together with triple glazing increase the light gain and reduce the heat loss.

#### Benefits of outward opening window:

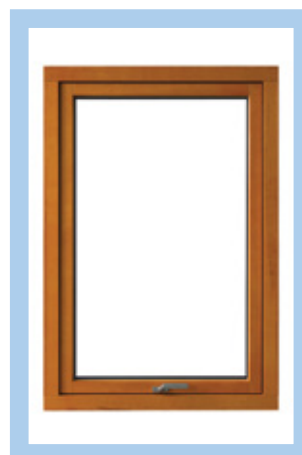
- Simple and slim design.
- Excellent weather tightness and thermal insulation.
- Different opening types enable easy cleaning.

The insulated glazing unit of the SW11 window is composed of two selective and one regular glass panes with Argon filled cavities resulting in a total thickness of 40 mm. For the warm edge solution it is recommended to use SGG Swisspacer spacer bars. The standard window thermal transmittance is  $U_w = 0,97 \text{ W/}^2\text{K}$ .

Flat design of the window, sliding hinges hided between the frame and the casement, energy efficient triple glazing makes it window a perfect solution to modern houses.

**Viking Triple Glazed Wooden Window** - traditional, enduring, energy efficient, sustainable.

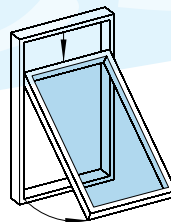
**Viking Triple Glazed Aluminum Clad Window** - modern, enduring, energy efficient, sustainable.



## Opening types of Viking Outward Opening Triple Glazed Windows

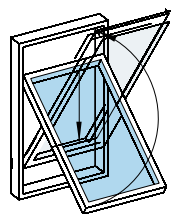
### Top guided window

Up to 2,25 m<sup>2</sup> opening casement. Concealed hinges create modern look and increase security. In case of need this type can be used as a fire escape. It is recommended to use top guided window in places where it is possible to clean window from the outside (ground floor, balconies etc). Max casement weight 60 kg. Max opening casement W x H = 1500 x 1500 mm.



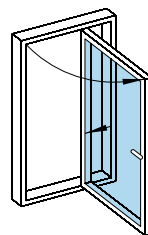
### Top swing window

Up to 2,4 m<sup>2</sup> opening casement is a real light catcher for your home. Concealed hinges create modern look and increase security. The casement of this opening type can be turned around 180° for easy cleaning. Max casement weight 60 kg. Max opening casement W x H = 1588 x 1558 mm.



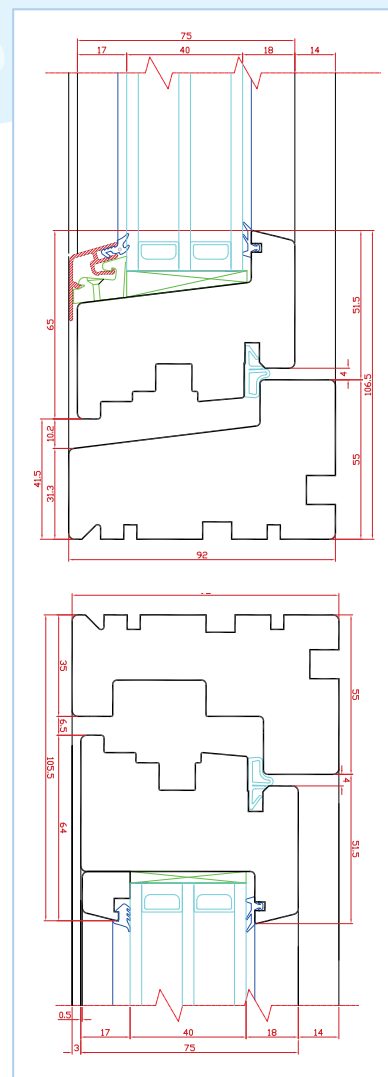
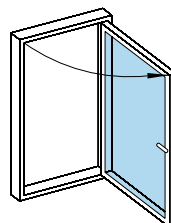
### Side guided (side projecting) window

Up to 1,6 m high casements. Concealed hinges create modern look and increase security. The casement of this type can be turned sideways approximately 90° which enables easy cleaning. Available also as double casement French window (without mullion). Max casement weight 50 kg. Max opening casement W x H = 800 x 1600 mm.



### Side hung window

A window with traditional design. Available as double casement French window (without mullion) and in case of need can be used as a fire escape. Max casement weight 50 kg. Max opening casement W x H = 900 x 1600 mm.



Cross-section of the SW 11 window

## Technical properties

- Thermal transmittance:  $U_w = 0,97 \text{ W/m}^2\text{K}$ .
- Sound insulation:  $R_w (C; C_{tr}) = 34\text{db} (-1; -4)$ .
- Cross sections: frame 55 x 92 mm; casement 65 x 75 mm.
- Pine wood with quality class A1-A3.
- Wooden profiles treated with water based preservative.
- Argon filled, two selectives  $U_g = 0,6 \text{ W/m}^2\text{K}$ . SGG Swisspacer spacer bar for warm edge solution.
- Hardware: PN-Beslag hinges, Fix espagnolettes and handles.
- Frame dimensions: W x H max 2,5 x 3,2 m.
- Multilight windows with transoms and mullions.
- Max weight of opening casements: 50 kg with side hung and 60 kg with top hung.
- Opening casements up to 2,4 m<sup>2</sup>.

## Warranty

All products come with a five year warranty.

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