

# VELUX vertical roof terrace element VEB

Glazing 65G



Create an awe-inspiring roof terrace in places that you never thought possible with roof terrace windows. VELUX roof terrace windows provide access to the outdoors when opened and lots of daylight when closed. The combination of top-hung roof windows and a fixed or openable vertical bottom section provides seamless integration with your roof and outdoor terrace.

- Step out onto the terrace by simply opening the left-opening lower section.
- A seamless look is made possible by the slim connection to the roof window.



## Application guidance operation method

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The roof terrace offers direct access to the outside. The upper section is a GEL bottom-operated, top-hung window that opens outwards for an unobstructed, panoramic view. When the upper section is open, the lower section can be opened to create a doorway to the terrace. The side-hung lower section is opened/closed with a handle on the side sash. Lower section VEA vertical window element opens to the right, VEB vertical window element opens to the left, and VEC vertical window element is fixed. When installed in combination, lower section VEA can be placed to the far right only and lower section VEB to the far left only (seen from the inside). All other lower sections must be VEC.

A roof terrace can contain one opening vertical window element only.

## Available sizes and daylight area

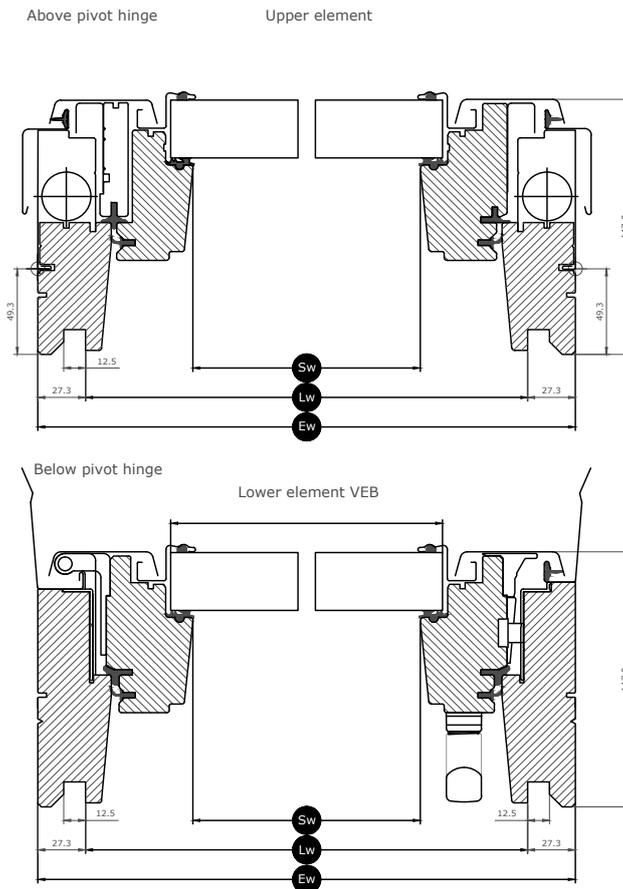
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	780
	VEB M35 (0.56)

All measurements are in mm. ( ) = Effective daylight area, m<sup>2</sup>

# Cross section dimensions

## Horizontal section



Width		M--
Sw	Sash aperture width	603
Lw	Distance between lining grooves, width	726
Ew	External frame width	780

Height		--
Sh	Sash aperture height	
Lh	Distance between lining grooves, height	
Eh	External frame height	

## Glazing features

Glazing 65G		
	<b>Heat insulation</b> The low energy glazing unit reduces heat loss through the window and enhanced indoor comfort.	$U_w = 1.1 \text{ W/(m}^2\text{K)}$
	<b>Solar gain</b> In the wintertime, the heat from the sun entering through the windows is a usable solar gain.	$g = 0.51$
	<b>Solar protection</b> In warm climates and in rooms with large window areas, a sun protective coating provides a better indoor climate during summer periods.	★★★★☆
	<b>Sound insulation</b> A combination of laminated glass and optimal glass thickness provides better sound insulation against noise from outside (traffic, playgrounds, etc).	$R_w \text{ dB} = 35(-1;-4)$
	<b>Security</b> Thicker laminated inner glass increases resistance to manual attack (burglary).	★★★★☆
	<b>Safety</b> Laminated inner glass is designed to hold the fragments together if the glass breaks. We recommend that you consider using glass units with laminated glass on the inside for windows placed above areas where people sleep, play or work.	✓
	<b>Outside strength</b> Toughened outer glass makes your glazing more resistant to hail, heavy wind and snow loads.	✓
	<b>Delayed fading of material</b> Laminated inner glass protects materials behind the glass against UV radiation and therefore delays fading of the materials.	✓
	<b>Easy-to-clean</b> The easy-to-clean coating minimises the cleaning frequency of the outer glass and gives you a clearer view in case of rain.	✓
	<b>Anti-dew</b> The anti-dew coating significantly reduces the days with dew on the outer glass and thus gives you a clear view.	✓

### Glazing structure

Glazing unit	Inner glass	Middle glass	Outer glass	Cavity	Gas type
Triple-glazed	2 x 3 mm laminated float glass with 0.76 mm PVB foil	3 mm heat strengthened glass	4 mm toughened glass	2x 10 mm	Krypton

## Visible features

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### **Blind bracket, vertical windows**

Easily install blinds on the window without the need for extra tools using the VELUX Pick&Click™ system.



### **Frame hinge, roof terrace, side**

The hinges provide the side opening function of the vertical window element of the roof terrace window.



### **Operating handle with lock, roof terrace**

The upper section GEL is a top-hung window, which is operated at the bottom with a handle allowing effortless opening and closing of the window.



### **Gasket, frame**

Forming the standard air and sound seal between the frame and sash.



### **Gaskets**

The gaskets provide a tight seal between the insulating glass unit and the sash.

## Interior finish

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Material Description	Clear lacquer Finished with triple coat, clear lacquered.	White-painted Finished with triple coat, white painted.
Colour code NCS, inner surface	-	S 0500-N
Colour code nearest RAL, inner surface	-	9003

## Exterior covers

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Material Description	Aluminium, dark grey Dark grey	Titanium zinc	Untreated copper
Colour code NCS, outer surface	S 7500-N	No colour code	
Colour code nearest RAL, outer surface	7043	No colour code	

## Cleaning and maintenance

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VELUX repair and maintenance kits are available.

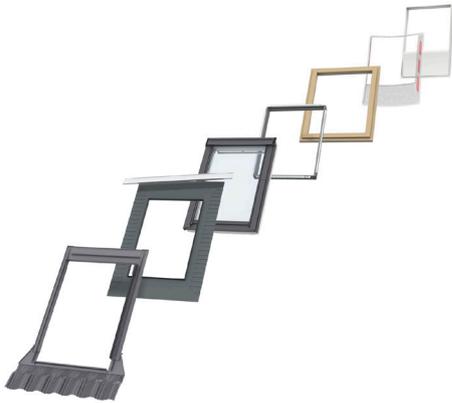
## Guarantee period

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## Flashings and installation products

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### **Flashings**

Install the VELUX roof window in virtually any roofing material by using genuine VELUX flashing solutions. Our flashings are designed specifically for the exact size and shape of the roof windows to create a perfect, watertight fit. Flashings can also be used to combine multiple roof windows.

### **Installation products**

Ensure a proper insulation and an air- and watertight connection between the window and roof with VELUX installation products. All installation products are designed to perfectly fit the roof window for a reliable and durable result.

## Blinds, awnings and shutters

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Complete the VELUX roof window installation with roller shutters and awning blinds for heat protection and interior blinds for light dimming, blackout and insect protection. Choose from a wide range of manually operated or remote-controlled products that are made to fit the particular window type and size. Please contact your local VELUX sales company for more details about compatibility.

## Further information

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We reserve the right to make technical changes.

For more information on our products, please visit <https://www.velux.co.uk>