VELUX glass rooflight electric exit CXU

Glazing 20, double-glazed



10 Year Guarantee

0°–15°

Glass rooflight electric exit CXU offers easy access to the roof for repair or maintenance. A safety and ventilation switch kit is mandatory and will always be delivered together with the CXU. The safety and ventilation switch kit ensures safe exit to the roof by offering entrapment and fall-through protection. The kit makes it simple for the user to open and fix the glass rooflight at 60 degrees when exiting, and to close the window when on the roof. Furthermore, the kit is uniquely designed with an integrated rain sensor that automatically closes the glass rooflight in the event of rain. To ensure proper operation of all key functionalities – including entrapment control, fall-through protection, and rain sensor responsiveness – the CXU must be used in combination with KES 305.

- The unique and innovative VELUX safety and ventilation switch kit with entrapment control and fall-through protection enables a safe exit to the roof and the ability to close the window when on the roof.
- The glass rooflight electric exit automatically opens to 60 degrees when used as roof exit for hassle-free access to the roof.
- With its glass-to-edge slim profile, the glass rooflight electric exit shares a strong design aesthetic with the other VELUX glass rooflights.
- This trustworthy and durable solution is easy to install with the same installation principles as other VELUX glass rooflights.
- In daily use, the glass rooflight electric exit can easily be opened at the touch of a button for fresh air and ventilation.
- Unlike many other flat roof exit windows, the glass rooflight electric exit CXU is designed for the complete range of VELUX flat roof window blinds.
- Enjoy a quieter indoor environment and very good thermal insulation from our energy-efficient two-layer insulating glass unit

CE

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Application guidance

Installation in roof pitch between 0°-15° with ISU 1093 curved glass top and between 2°- 15° with ISU 2093 flat glass top. On rectangular sizes the window opens on the long side with motors placed on both short sides. The CXU electric base unit should be installed with the hinges up the slope.



The innovative electric VELUX CXU craftsman's exit is ideal for service, repairs, and maintenance, offering safe and convenient access to the roof with minimal effort. Each unit includes a mandatory exit-safety and comfort-ventilation kit, providing protection against entrapment and fall-through for service professionals working on the roof, while also allowing for comfort ventilation in everyday use. Combine the CXU with the curved glass top ISU 1093 for optimal drainage even at 0° installation, or with the flat glass top ISU 2093 for seamless roof integration from 2° installation angle.

Available sizes and daylight area

Dimensions in the size diagram indicate the roof opening. For electrically operated windows, an additional clearance (typically 1 cm) must be provided on the side designated for cable installation, as specified in the applicable installation guidelines.

	1000	1200	1500
1000	CXU 100100 (0.88) [0.24]		CXU 150100 (1.35) [0.31]
1200		CXU 120120 (1.3) [0.28]	

All measurements are in mm. ( ) = Effective daylight area, m^2 [ ] = Geometric free area, m^2

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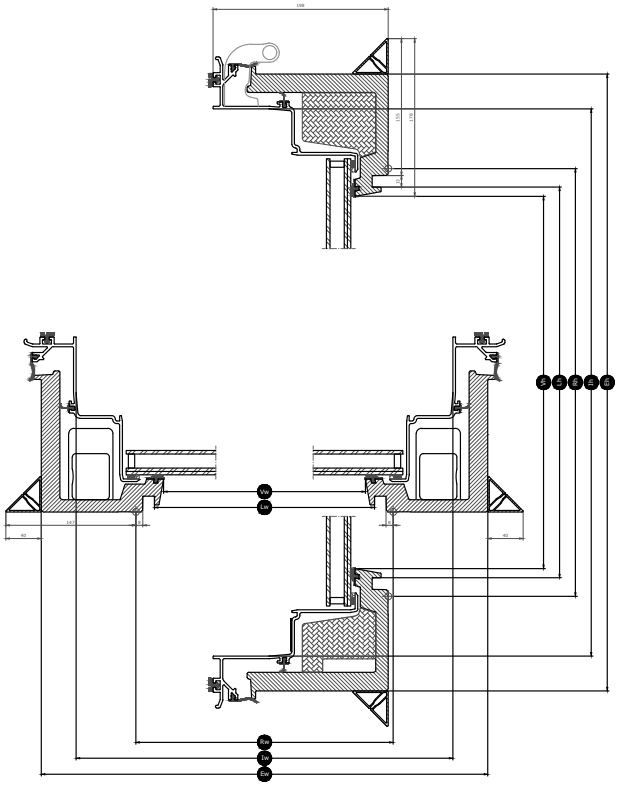
Net Weight

Please note that a complete flat roof window consists of a top unit and a base unit supplied separately. The total weight of the complete solution must therefore be calculated by adding the unit weight of the top unit and the unit weight of the base unit, as specified in their respective data sheets.

	100100	120120	150100
Net Weight (kg)	75.080	91.909	97.763

Cross section dimensions

Please note that the view of the cross section is from bottom to top.



Width		100	120	150
Vw	Visible pane width	938.4	1138.2	1438.2
Lw	Inside groove measure width	959	1159	1459
Rw	Roof opening width	1000	1200	1500
Iw	Inside sash measure width	1136	1228	1636
Ew	External frame width	1215	1415	1715

Height		100	120
Vh	Visible pane height	938.2	1138.2
Lh	Inside groove measure height	959	1159
Rh	Roof opening height	1000	1200
Ih	Inside sash measure height	1136	1228
Eh	External frame height	1215	1415

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Technical values

Overview of technical values for the product, covering among other, CE marking in accordance with EN 1873 or EAD 200062-00-0401.

Window characteristics	CXU 20U + ISU 1093	CXU 20U + ISU 2093
Air permeability	4	4
Thermal transmittance Urc,ref300 (CE-marked) (U-value)	0.75	0.80
Arc, ref300 (U-value transmission area)	4.4	4.1
Light transmittance (τ)	0.68	0.68
Sound insulation R_wdB [dB]	39	39
Total solar energy transmittance (g)	0.52	0.52
Ultraviolet transmittance (τuv)	0.05	0.05
Burglar resistance window	NPD	NPD
Frame factor	0.1	0.1
Air permeability	4	4
Reaction to fire	C-s2, d2	C-s2, d2
Bonding of cover glass (glass of top unit) [class]	ΔX≥0.75	ΔX≥0.75
External fire performance - European		
External fire performance - British	NPD	NPD
Impact resistance	3	3
Impact resistance large soft body	N/A	N/A
Impact resistance small hard body	N/A	N/A
Rain noise	44 dB	44 dB
Resistance to downward loads	N/A	N/A
Resistance to fire	NPD	NPD
Resistance to snow load	*	*
Resistance to upward load	N/A	N/A
Resistance to wind load	C3	C3
Water tightness	9A	9A

NPD: No performance determined

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Glazing structure

Glazing unit	Variant composition
Double-glazed	7.5mm laminated float glass - 16mm Argon - 4mm toughened glass with enamel

Blinds and awnings

Complete your VELUX glass rooflight electric exit CXU with a blind for complete comfort. Choose between an anti-heat blind to maintain a cool room on hot days or a blackout blind to block outside light for total darkness. The blinds are discreetly placed and do not compromise daylight and design when not in use. You also have the option of adding an insect screen that lets you enjoy fresh air without any insects.

Compatibility

The electrically operated base unit CXU is compatible with the flat glass top unit ISU 2093 and curved glass top-unit ISU 1093.
Installation accessories: Extension kerb ZCU 0015/1015, securing kit for roofing felt ZZZ 210U and lining LSF 2000.
Compatible with blinds: The solar-powered anti-heat blind MSU, the solar-powered blackout blind DSU, and the manual insect screen ZIU.
Mandatory product, sold with the CXU: KFS 302 EU Safety & ventilation switch kit
Control unit for the exit function only: KES 305 EU

Further information

We reserve the right to make technical changes.

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

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