VELUX flat glass ISG 2093

10 Year Guarantee

2°-15°

VELUX flat glass top unit ISG has a modern, framed glass-top design with better energy efficiency and improved resistance to algae and moss than domes, which provides a better indoor comfort and makes it easier to maintain. It delivers a contemporary design at an affordable price, making it a natural upgrade from domes. Compatible with VELUX sunscreening accessories for daylight control and light dimming.

- Add a modern and clean design to your flat roof and improve your indoor comfort with our contemporary, maintenance-free and scratch-resistant glass top.
- Suitable for the majority of flat roofs (roof pitches down to 2°) and offers natural drainage of water and snow at 5°.
- Aluminium profile provides a durable, maintenance-free, watertight construction.
- Find the perfect light and shade solution that meets your personal needs.
- Enjoy maximum heat protection with our unique awning blind MSG, which is integrated between outer glass and insulating pane for maximum comfort and long life durability.

CE

Application guidance

Standard glass top unit ISG 2093 can be installed with flat roof window base units CVP electric-vented and CFP fixed, within a roof pitch range of 2° to 15°. It cannot be installed with manual-vented base unit CVP, smoke ventilation base unit CSP and craftsman's exit base unit CXP.

Combine Standard glass top unit ISG 2093 with a base unit that meets your need for ventilation and/or daylight. Choose electric-vented CVP for fresh air at the touch of a button or fixed CFP if your primary need is to bring natural daylight into the room.

Available sizes and daylight area

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

	600	800	900	1000	1200
600	ISG 060060 (0.19) [0.12]				
800		ISG 080080 (0.40) [0.16]			
900	ISG 060090 (0.32) [0.14]		ISG 090090 (0.54) [0.18]		
1000				ISG 100100 (0.70) [0.2]	
1200			ISG 090120 (0.76) [0.2]		ISG 120120 (1.07) [0.24]
1500				ISG 100150 (1.11) [0.23]	

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.

	060060	060090	080080	090090	090120	100100	100150	120120
Net Weight (kg)	11.074	14.376	15.805	18.579	22.780	21.394	33.513	27.881

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	CFP 73Q- + ISG 2093	CFP 73QF + ISG 2093	CFP 73U + ISG 2093	CVP 73Q- + ISG 2093	CVP 73QF- + ISG 2093	CVP 73U + ISG 2093
Air permeability	4	4	4	4	4	4
Thermal transmittance Urc,ref300 (CE-marked) (U-value)	0.75	0.78	0.82	0.75	0.78	0.82
Arc, ref300 (U-value transmission area)	3.7	3.7	3.7	3.7	3.7	3.7
Light transmittance (τ)	0.73	0.73	0.74	0.73	0.73	0.74
Sound insulation R_wdB [dB]	36	36	36	37	37	31
Total solar energy transmittance (g)	0.53	0.53	0.59	0.53	0.53	0.59
Ultraviolet transmittance (τuv)	0.05	0.05	0.05	0.05	0.05	0.05
Burglar resistance window	RC2	RC2	NPD	RC2	RC2	npd
Frame factor	0.26	0.26	0.26	0.26	0.26	0.26
Air permeability	4	4	4	4	4	4
Reaction to fire	B-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0
Bonding of cover glass (glass of top unit) [class]	ΔX≥0.75	ΔX≥0.75	ΔX≥0.75	ΔX≥0.75	ΔX≥0.75	ΔX≥0.75
External fire performance - European	Broof(t4)	Broof(t4)	Broof(t4)	Broof(t4)	Broof(t4)	Broof(t4)
External fire performance - British	NPD	npd	N/A	N/A	N/A	N/A
Impact resistance	3	3	3	3	3	3
Impact resistance large soft body	SB 1200	SB 1200	SB 1200	SB 1200	SB 1200	SB 1200
Impact resistance small hard body	N/A	N/A	N/A	N/A	N/A	N/A
Rain noise	< 50 dB	44 dB	44 dB	44 dB	44 dB	44 dB
Resistance to downward loads	N/A	N/A	N/A	N/A	N/A	N/A
Resistance to fire	NPD	NPD	NPD	npd	npd	npd
Resistance to snow load	*	*	*	*	*	*
Resistance to upward load	N/A	N/A	N/A	N/A	N/A	N/A
Resistance to wind load	C3	C3	C3	C3	C3	C3
Water tightness	9A	9A	9A	9A	9A	9A

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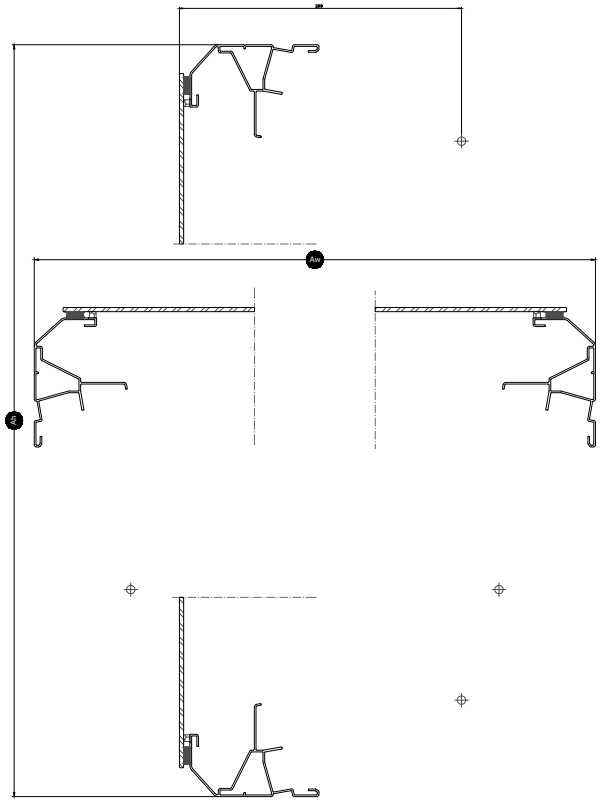
Cross section dimensions

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



	060060	060090	080080	090090	090120	100100	100150	120120
Ch: External frame height (mm)	216	216	216	216	217	217	219	217
Top unit glass thickness (mm)	5	5	5	5	6	6	6	6

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Blinds and awnings

Complete your VELUX flat-roof window with a blind for optimal comfort. Choose from a range of blinds, including a translucent pleated blind for softening the light, an anti-heat blind for heat protection and a blackout energy pleated blind for darkening the room.
Use VELUX App Control or VELUX ACTIVE with NETATMO for smartphone control of your vented flat-roof windows and blinds.

Cleaning and maintenance

Cleaning of the top unit is only possible from the outside. When cleaning the top unit, do not open the window. For electric windows, switch off the mains supply.
To clean the inner surface of the top unit and the outer glass surface of the base unit, remove the screws to remove the top unit and refit it after cleaning.
In regions with heavy snowfall, snow on the flat-roof window must be removed on a regular basis.

Guarantee period

The full terms and conditions of the VELUX Product Guarantee are available on our website www.velux.co.uk or www.velux.ie

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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