

# VELUX flat glass ISD 2093

**VELUX®**



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The VELUX flat glass top unit has a modern, sophisticated design with a maintenance-free outer glass for long-lasting quality. Engineered to limit the amount of noise from traffic and weather, and strengthened to ensure effective protection from heavy snow, rain and hail. Compatible with VELUX INTEGRA® sunscreening accessories for daylight control and light dimming.

- A sophisticated look that blends seamlessly with your flat-roof home design.
- Increase your comfort and the lifetime of your flat-roof window with the maintenance-free, scratch-resistant, sleek glass top.
- Suitable for the majority of flat roofs (roof pitches down to 2°) and offers natural drainage of water and snow at 5°.
- Enjoy a long-lasting clear view made possible by the easy-to-clean coating on the outer glass.
- Find the perfect light and shade solution that meets your personal needs.
- Get maximum protection from extreme weather with the toughened, scratch-resistant outer glass.
- Enjoy a quieter indoor environment from the efficient sound reduction of outside noises.



## Application guidance

The flat glass top unit can be installed with all base units (except flat-roof smoke ventilation window CSP and flat-roof exit window CXP) within the roof pitch range of 2° to 15°.



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

## Available sizes and daylight area

	600	800	900	1000	1200
600	ISD 060060 (0.19)				
800		ISD 080080 (0.40)			
900	ISD 060090 (0.32)		ISD 090090 (0.54)		
1000				ISD 100100 (0.70)	
1200			ISD 090120 (0.76)		ISD 120120 (1.07)
1500				ISD 100150 (1.11)	

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

## Technical values

	Air permeability	Thermal transmittance $U_{rc,ref300}$ (CE-marked) (U-value) W/m <sup>2</sup> /K Arc, ref300 m <sup>2</sup>	Light transmittance ( $\tau_{v}$ ) (%)	Sound insulation $R_w$ dB	Total solar energy transmittance (g-value) (g)	Ultraviolet transmittance ( $\tau_{uv}$ )
<b>CFP fixed base unit 73QV</b>	class 3	0.79 W/m <sup>2</sup> /K 3.4 m <sup>2</sup>	0.72	36(-1;-4)	0.52	0.05
<b>CFP fixed base unit 73UT</b>	class 3	0.87 W/m <sup>2</sup> /K 3.4 m <sup>2</sup>	0.72	36(-1;-4)	0.54	0.05
<b>CVP electric base unit 73QV</b>	class 3	0.79 W/m <sup>2</sup> /K 3.4 m <sup>2</sup>	0.72	37(-1;-5)	0.52	0.05
<b>CVP electric base unit 73UT</b>	class 3	0.87 W/m <sup>2</sup> /K 3.4 m <sup>2</sup>	0.72	31(-1;-3)	0.54	0.05

## Cleaning and maintenance

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Cleaning of the top unit is only possible from the outside. When cleaning the top unit, do not open the window. For electrical windows, switch off the mains supply.

To clean inner surface of top unit and outer glass surface of base unit, remove cover caps and screws to remove the top unit and fasten again after cleaning.

## Guarantee period

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## Blinds and awnings

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Complete your VELUX flat roof window with a blind for complete comfort. Choose from a range of blinds, including light dimming blind for softening the light, awning blind for heat protection and blackout blind for a full blackout effect. Please note, that not all blinds are compatible with all top-unit and base-unit combinations.

Use VELUX App Control or VELUX ACTIVE with NETATMO for smartphone control of your vented flat roof window and blinds.

## Further information

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We reserve the right to make technical changes.

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