VELUX manual top-hung roof window GPU





The VELUX bottom-operated, top-hung roof window GPU opens outwards to connect your home to the outside and bring panoramic views and a feeling of extra space inside. The durable, moisture-resistant finish looks great in any room and is ideal for humid rooms like kitchens.

- Open the window outwards up to 45° to enjoy a panoramic view and a feeling of space.
- Open the top control bar to the ventilation position for fresh air through a closed window.
- Easily rotate the window 180° for safe cleaning of the outer glass from the inside.
- Adjust the bottom handle position to ventilate your home without opening the window.
- Maintenance-free exterior covers increase peace of mind throughout the lifetime of the roof window.
- Removable and cleanable ventilation filter protects your home from dust and insects while ventilating.
- Quickly and easily add blinds by simply clicking them into the pre-fitted brackets

CE

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Application guidance

The window can be installed in roof pitches between 15° and 55° (75°) to the horizontal



Manual bottom-operated, top-hung roof windows open outwards for an unobstructed, panoramic view. To get the full benefit of the top-hung function, we recommend an installation height that allows for a clear sight line to the outside from both a standing and seated position. Please note that the optimum window height depends on the roof pitch.

Available sizes and daylight area

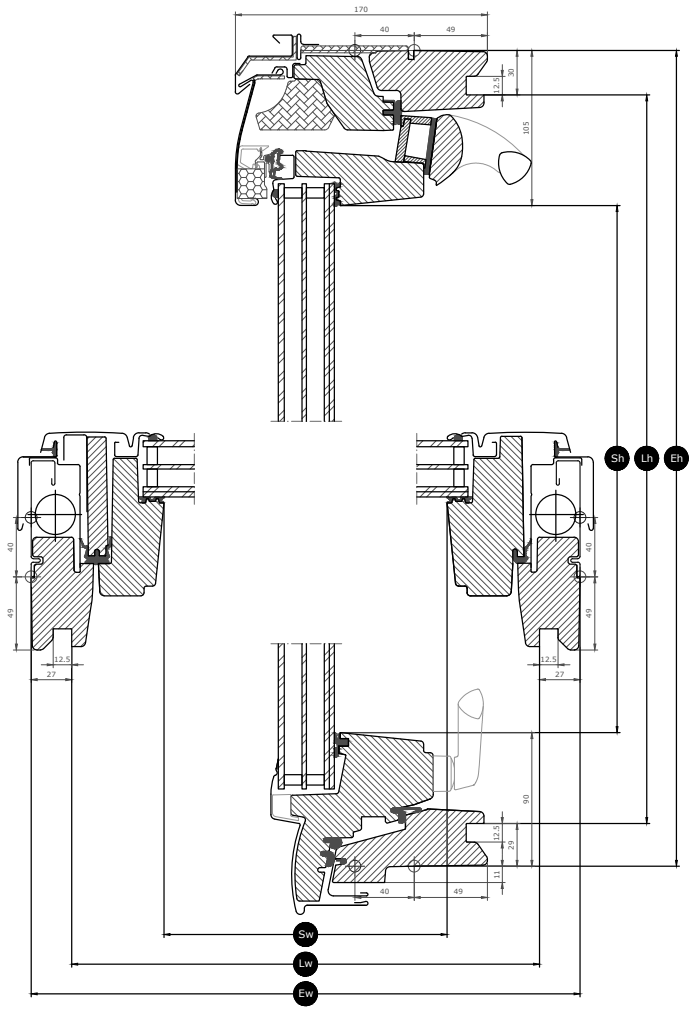
The size overview shows the availability across the different glazing variants. Please note that the individual glazing variant may not be available in all the sizes shown.

	550	660	780	942	1140	1340
978	GPU CK04 (0.29) [0.39]		GPU MK04 (0.47) [0.58]			
1178	GPU CK06 (0.37) [0.48]	GPU FK06 (0.47) [0.60]	GPU MK06 (0.59) [0.72]	GPU PK06 (0.75) [0.89]	GPU SK06 (0.95) [1.09]	
1398		GPU FK08 (0.58) [0.72]	GPU MK08 (0.72) [0.87]	GPU PK08 (0.91) [1.08]	GPU SK08 (1.14) [1.32]	GPU UK08 (1.41) [1.58]
1600			GPU MK10 (0.85) [1.01]	GPU PK10 (1.07) [1.25]	GPU SK10 (1.35) [1.54]	

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

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Cross section dimensions



Width		CK--	FK--	MK--	PK--	SK--	UK--
Sw	Sash aperture width	371	481	601	763	961	1161
Lw	Distance between lining grooves, width	495	605	725	887	1085	1285
Ew	Exterior frame width	550	660	780	942	1140	1340

Height		--04	--06	--08	--10
Sh	Sash aperture height	784	984	1204	1406
Lh	Distance between lining grooves, height	919	1119	1339	1541
Eh	Exterior frame height	978	1178	1398	1600

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Glazing features

	Glazing 66SG	Glazing 86	Glazing 66L	Glazing 67	Glazing 69	Glazing 68	Glazing 70
Solar protection	★★★☆	★★★☆	★★★☆	★★★☆	★★★★	★★★☆	★★★☆
Security	★★☆☆	★★☆☆	★★☆☆	★★☆☆	★★☆☆	★★☆☆	★★☆☆
Safety lamination	✓	✓	✓	✓	✓	✓	✓
Toughened glass	✓	✓	✓	✓	✓	✓	✓
UV filter	✓	✓	✓	✓	✓	✓	✓
Rain noise reduction	✓	✓		✓	✓	✓	✓
Easy-to-clean	✓	✓	✓	✓			
Anti-dew	✓	✓	✓	✓			

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Glazing structure

Glazing variant	Glazing unit	Composition (from inside to outside)
Glazing 66SG	Triple-glazed	6.8 mm laminated float glass - 13 mm Argon - 3 mm heat strengthened glass - 13 mm Argon - 4 mm toughened glass
Glazing 86	Triple-glazed	6.8 mm laminated float glass - 13 mm Argon - 3 mm heat strengthened glass - 13 mm Argon - 4 mm toughened glass
Glazing 66L	Triple-glazed	4.0 mm laminated float glass - 14 mm Argon - 2.3 mm heat strengthened glass - 14 mm Argon - 3 mm toughened glass
Glazing 67	Triple-glazed	6.8 mm laminated float glass - 12 mm Krypton - 3 mm heat strengthened glass - 12 mm Krypton - 4 mm toughened glass
Glazing 69	Triple-glazed	6.8 mm laminated float glass - 13 mm Argon - 3 mm heat strengthened glass - 13 mm Argon - 4 mm toughened glass
Glazing 68	Triple-glazed	6.8 mm laminated float glass - 13 mm Argon - 3 mm heat strengthened glass - 13 mm Argon - 4 mm toughened glass
Glazing 70	Double-glazed	6.8 mm laminated float glass - 16 mm Argon - 4 mm toughened glass

Technical values for the window

Overview of technical values for the product, covering among other, CE marking in accordance with EN 14351-1.

	Glazing 66SG	Glazing 66SG	Glazing 86	Glazing 66L	Glazing 67	Glazing 69	Glazing 68
Window characteristics	**Performance**						
Thermal transmittance (U-value)	1.0 W/(m²K)	1.0 W/(m²K)	1.0 W/(m²K)	1.1 W/(m²K)	0.88 W/(m²K)	1.1 W/(m²K)	1.1 W/(m²K)
Light transmittance (τ,v)	0.62	0.62	0.62	0.70	0.62	0.57	0.68
Total solar energy transmittance (g-value)	0.44	0.44	0.44	0.54	0.44	0.27	0.49
Sound insulation (Rw)	37(-2;-4)	37(-2;-4)	37(-2;-4)	npd	38(-2;-5)	35(-1;-3)	35(-1;-3)
Air permeability, [class]	4 (PK10: 3)	4 (PK10: 3)	4 (PK10: 3)	4 (PK10: 3)	4 (PK10: 3)	4 (PK10: 3)	4 (PK10: 3)
External fire performance - British [class]	AA	AA	AA	AA	AA	AA	AA
External fire performance - European [class]	Broof(t1)	npd	npd	npd	Broof(t1)	Broof(t1)	Broof(t1)
Impact resistance [class]	3	3	3	3	3	3	3
Load-bearing capacity of safety devices	√	√	√	√	√	√	√
Reaction to fire [class]	D-s3,d2	D-s2,d2	D-s3,d2	D-s3,d2	D-s3,d2	D-s3,d2	D-s3,d2
Resistance to snow load	**	**	**	**	**	**	**
Resistance to wind load [class]	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)
Water tightness [class]	E900	E900	E900	E900	E900	E900	E900

Resistance to snow load = ** See glazing composition

NPD: No Performance Determined

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Interior finish

Material Description	White maintenance-free Finished with polyurethane lacquer.
Colour code NCS, inner surface	S 0500-N
Colour code nearest RAL, inner surface	9003

Exterior covers

The availability of the variants listed below may change. For the most accurate and up to date information, please refer to the current product catalogue or price list.

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



To clean the outer glass surface from the inside, rotate sash and secure in cleaning position with barrel bolts.



VELUX repair and maintenance kits are available.

Guarantee period

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Flashings and installation products



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 perfect, watertight fit. Flashings can also be used to combine multiple roof windows.

Installation products
Ensure a proper installation 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

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

We reserve the right to make technical changes.

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

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