VELUX electric roof window GPU

10 Year Guarantee

15°–65°

The VELUX electric top-hung roof window combines panoramic view with effortless remote-controlled operation.
Simply click on the wall switch to open and close the window.
And if it rains, the rain sensor automatically closes it.

- The electrical top-hung window provides a panorama view combined with convenient electrical operation.
- The wall switch is pre-paired to work with your window right out of the box.
- Rain sensor automatically closes the window in the event of rain.
- Entrapment control detects objects in the bottom of the window
- The motors are hidden in the side frames and totally invisible from view.
- Easily open and close the roof window – even with furniture placed underneath.
- Electric-powered to allow for complete, seamless integration of your roof window into your home.

CE

PEFC
PEFC/09-31-020

Application guidance

The window can be installed in roof pitches between 15° and 65° to the horizontal.

VELUX electric top-hung roof windows effortless open wide to create a balcony-like feeling with uninterrupted panoramic views. You can easily open the window using the convenient remote control, or add VELUX ACTIVE with NETATMO for a healthier indoor climate that can be controlled via the smartphone app.

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.

	660	780	942	1140
1178	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]

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

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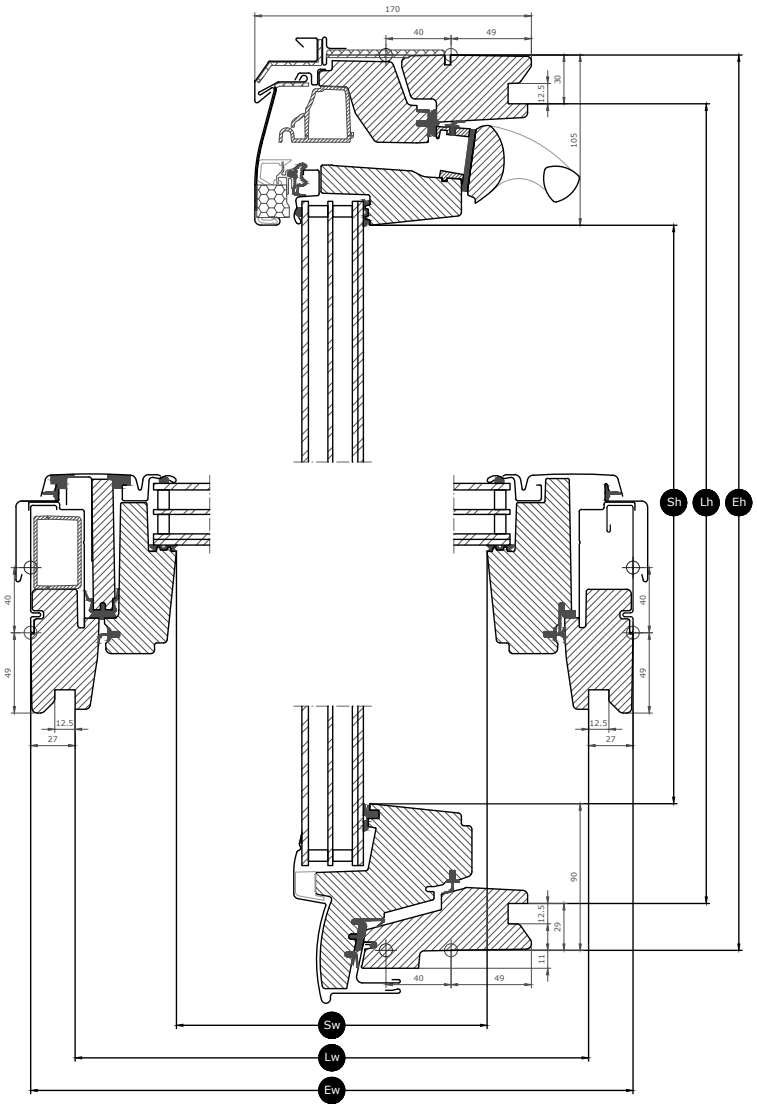
Cross section dimensions



Width		FK--	MK--	PK--	SK--
Sw	Sash aperture width	481	601	763	961
Lw	Distance between lining grooves, width	605	725	887	1085
Ew	External frame width	660	780	942	1140

Height		--06	--08
Sh	Sash aperture height	984	1204
Lh	Distance between lining grooves, height	1119	1339
Eh	External frame height	1178	1398

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Glazing features

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

Glazing structure

Glazing variant	Glazing unit	Variant composition
Glazing 66SG	Triple-glazed	6.8mm laminated float glass - 13mm Argon - 3mm heat strengthened glass - 13mm Argon - 4mm toughened glass
Glazing 70	Double-glazed	6.8 mm laminated float glass - 16 mm Argon - 4 mm toughened glass

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Technical values for the window

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

Window characteristics	Performance	
	Glazing 66SG	Glazing 70
Thermal transmittance	1.0 W/(m²K)	1.3 W/(m²K)
Light transmittance	0.62	0.68
Total solar energy transmittance	0.44	0.46
Sound insulation	37(-2;-4)	35(-1;_3)
Air permeability	4 (PK10: 3)	4 (PK10: 3)
External fire performance - British	npd	npd
External fire performance - European	npd	npd
Impact resistance	2	2
Load-bearing capacity of safety devices	✓	✓
Reaction to fire	D-s3,d2	D-s3,d2
Resistance to snow load	**	**
Resistance to wind load	C3 (>SK08: NPD)	C3 (>SK08: NPD)
Water tightness	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	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, ensure the window is closed. From closed position, the window can be opened manually and rotated to be secured in cleaning position with barrel bolts.

VELUX repair and maintenance kits are available.

Guarantee period

10 Year Guarantee

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

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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://www.velux.co.uk or https://www.velux.ie.

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Technical information

VELUX electric roof window GPU	**Installation and use**	The window is classified in protection class IP44. The window operators are integrated in the side frames and function at temperatures between -10 °C and +60 °C. Installation in rooms with a high level of humidity must comply with relevant regulations (contact a qualified electrician if necessary).
	Window opening	The window operator permits a maximum opening of 45° of the sash. It is possible to adjust the sash to open to horizontal position (+/- 2 degrees of accuracy) in roof pitches less than 45°.
	Compatibility	The roof window is based on radio frequency (RF) technology, 868 MHz range, and is compatible with other VELUX products with the io-homecontrol® logo. The window comes complete with pre-fitted brackets to match interior standard sunscreening. (Be aware there is no bracket powered for electrical blinds: -M- so only manual and solar interior blinds can be installed). GPU electric is compatible with: Roller blinds, type: R-- (Not mains-powered) Pleated blinds, type: F-- (Not mains-powered) Blackout blinds, type: D-- (Not mains-powered) Venetian blinds, type: P-- Insect roller screens, type: ZIL Following exterior sunscreening can also be installed: Roller shutters, type: SMH Awning blinds, type: MML and MSL. Both blinds require installation kit ZOZ 229S Soft shutter, type: SSS + installation kit ZOZ 229S Connection to non-compatible products may cause damage or malfunction.
	Connection	The window is equipped with a 4 m 2-core cable (H05VV-F) with a standard mains plug for connection to the mains supply (2.5 m for the UK).
Pre-paired wall switch	**Materials**	ABS plastic, white (NCS S 1000-N)
	Size and weight description	8.2 cm x 8.2 cm x 1.7 cm, 0.125 kg.
	Installation and use	The wall switch is for indoor use only, between a minimum ambient temperature 5 °C and a maximum ambient temperature 45 °C. It can be used in a dry or humid environment (such as a living room or a bathroom). Radio frequency range: 300 m range open field. Depending on the building construction, the indoor range is approximately 30 m.
	Power consumption	2 x alkaline AAA (1.5V) batteries Expected battery lifetime: Up to 1 year.
Integrated rain sensor	**Materials**	Gold-coated sensor, Grey (RAL 7022)
	Size and weight description	N/A
	Power consumption	N/A
Motor, electric, top-hung	**Materials**	PPS-40GF, Black
	Size and weight description	411.5 x 49.5 x 32.5 mm, 1.032 kg
	Power consumption	230VAC – 50Hz / 60W. Stand-by power consumption (including rain sensor, no heating): 0.5 W. Stand-by power consumption (including rain sensor, with heating): 1.1 W.
	Motor capacity	Pressure capacity: 800N Traction capacity: 900N

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