

VELUX electric roof window GPU

Glazing 70



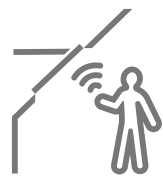
The VELUX electric top-hung roof window gives a panorama view and the feeling of space combined with convenient electrical operation for installation within reach.

- 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.



Application guidance

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

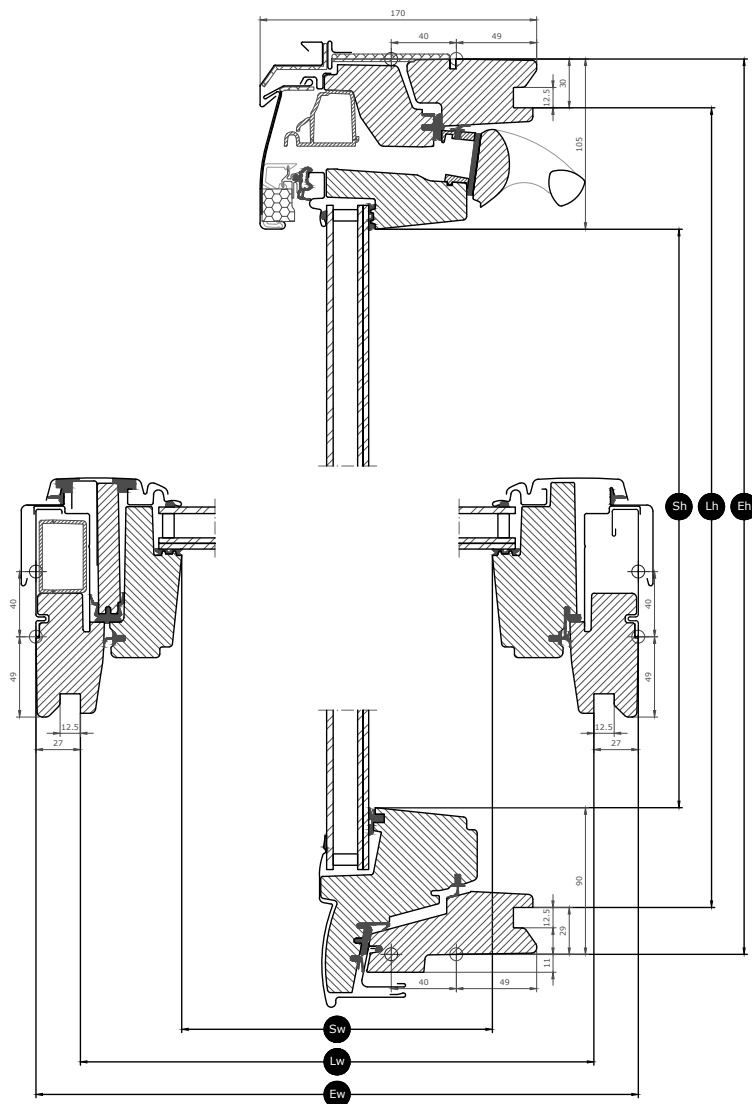


VELUX electric top-hung roof windows effortlessly open wide to create a balcony-like feeling with uninterrupted panoramic views. You can easily open the window using the convenient remote control, or add VELUX ACTIVE with NETATMO for a healthier indoor climate that can be controlled via the smartphone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

Available sizes and daylight area










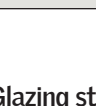
| | 660 | 780 | 942 | 1140 |
|------|--------------------|--------------------|--------------------|--------------------|
| 1178 | GPU FK06 () | GPU MK06 () | GPU PK06 () | GPU SK06 () |
| 1398 | GPU FK08 () | GPU MK08 () | GPU PK08 () | GPU SK08 () |

All measurements are in mm. () = Effective daylight area, m²



```
<STEPTABLE O="Product-1383937-1" OT="Product" TF=" " TT="478966" VC="Context1"
VO="32309405" W="Approved" />
```

Glazing features

| Glazing 70 | | |
|---|---|-------|
|  | Heat insulation The low energy glazing unit reduces heat loss through the window and enhanced indoor comfort. | U_g |
|  | Solar gain In colder climates and in rooms with large window areas, solar gain provides a better indoor climate during winter periods. | = |
|  | Solar protection In warm climates and in rooms with large window areas, a sun protective glazing unit provides a better indoor climate during summer periods. | |
|  | Security Thicker laminated inner glass increases resistance to manual attack (burglary). | |
|  | Safety lamination Prevents glass from falling into the room in case of accidental breakage. | ✓ |
|  | Toughened glass Adds strength to the outer glass surface to protect from wayward balls and extreme weather such as heavy storms and hail. | ✓ |
|  | UV filter Protects your interior furnishings from fading due to the sun's harmful UV rays. | ✓ |
|  | Rain noise reduction Rain noise reduction creates a barrier between the window and the weather outside for undisturbed moments during rainy days – or nights. | ✓ |
|  | Easy-to-clean Dirt-repellent coating lets you spend less time cleaning and more time enjoying the view. | |
|  | Anti-dew The anti-dew coating significantly reduces the days with dew on the outer glass and thus gives you a clear view. | |

Glazing structure

| Glazing unit | Composition (from inside to outside) |
|---------------|---|
| 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 14351-2.

| Window characteristics | Performance |
|--|--------------------------|
| Thermal transmittance (U-value) | 1.3 W/(m ² K) |
| Light transmittance (τ _v) | 0.68 |
| Total solar energy transmittance (g-value) | 0.46 |
| Sound insulation (R _w) | 35(-1;_3) |
| Air permeability, [class] | 4 (PK10: 3) |
| External fire performance - British [class] | npd |
| External fire performance - European [class] | npd |
| Impact resistance [class] | npd |
| Load-bearing capacity of safety devices | ✓ |
| Reaction to fire [class] | D-s3,d2 |
| Resistance to snow load | See glazing composition |
| Resistance to wind load [class] | C3 (>SK08: NPD) |
| Water tightness [class] | E900 |

NPD: No Performance Determined

Visible features



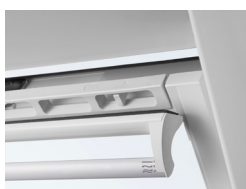
Motor, electric, top-hung

Fully integrated mains-powered motors are hidden from view in the side frames and activated by remote control.



Integrated rain sensor

The window closes automatically in the event of rain or is prevented from opening thanks to the rain sensor.



Ventilation flap

The full-width ventilation flap can be used for ventilation even with a closed window.



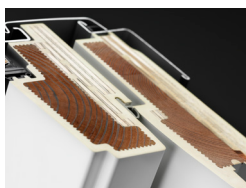
Blind bracket, manual

Easily install blinds on the window without the need for extra tools. Simply click on the blind in the pre-fitted brackets.



Frame hinge, centre-pivot, side

Durable hinge design allows for reliable operation and enables the sash to be rotated for easy cleaning of the outer glass.



Excellent insulation

High performance insulation materials in the window construction and thermally modified timber core increase the energy efficiency of the window.



Gas spring, top-hung, electric

Gas springs are integrated in the opening design of the electric top-hung roof window.



Data plate

Every VELUX roof window has a unique data plate with information that can be used to look up CE marking documentation, when purchasing accessories or in case of service or replacement.

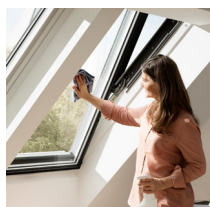
Interior finish

| 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

| Material Description | Aluminium, dark grey Dark grey |
|--|-----------------------------------|
| Colour code NCS, outer surface | S 7500-N |
| Colour code nearest RAL, outer surface | 7043 |

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

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.

VELUX ACTIVE with NETATMO compatible



Compatible with VELUX ACTIVE with NETATMO for a better indoor climate with sensor-based ventilation. Remote controlled via smartphone or voice.



Further information

We reserve the right to make technical changes.

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

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 | <p>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.</p> <p>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).</p> <p>GPU INTEGRA is compatible with:</p> <p>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</p> <p>Following exterior suncreening can also be installed:</p> <p>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</p> |
| | Connection | Connection to non-compatible products may cause damage or malfunction. 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 | <p>The wall switch is for indoor use only, between a minimum ambient temperature 5 °C and a maximum ambient temperature 45 °C.</p> <p>It can be used in a dry or humid environment (such as a living room or a bathroom).</p> <p>Radio frequency range: 300 m range open field. Depending on the building construction, the indoor range is approximately 30 m.</p> |
| | 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) |
| Motor, electric, top-hung | Materials | PPS-40GF, Black |
| | Power consumption | <p>230VAC – 50Hz / 60W.</p> <p>Stand-by power consumption (including rain sensor, no heating): 0.5 W.</p> <p>Stand-by power consumption (including rain sensor, with heating): 1.1 W.</p> |
| | Motor capacity | <p>Pressure capacity: 800N</p> <p>Traction capacity: 900N</p> |