

Product Data Sheet



Name: GV Standard Skyhatch Electric
Code: 407
Type: Hinged access and/or ventilation rooflight
Description: Electrically-actuated thermally-broken hinged rooflight

Features: Excellent overall thermal performance with concealed insulation. Kerb fixings are hidden through the use of extruded external clip-on cover. Reliable operation through synchronised mechanisms employing encoder feedback. The dual-lift mechanism provides stability in the open position. It offers good security and unobstructed clear views. Advanced electronics control system offering low opening currents. Dedicated building management system (BMS) input.

The primary function of the Skyhatch is to provide access, opening to a maximum angle of approximately 80°. It can also be used for ventilation opening to any angle the user requires. It is controlled by GV's wall-mounted LED control switch, responding to both one-touch and press-and-hold requests.

The Skyhatch electric is powered by an external 24V power supply as standard. Glazing Vision will provide one power supply for each Skyhatch Electric purchased. In the event of mains failure the Skyhatch will cease to function. A battery-backed supply is available as an optional extra.

The Skyhatch mechanisms have an encoder output used by the control electronics to achieve closed-loop synchronisation.



Standard Glass Specification:	Outer: 6mm HST clear toughened. Spacer: 20mm Warm edge black silicone-sealed argon-filled cavity. Inner: 6mm HST clear soft low E toughened.
Standard Colours:	RAL 7015 grey external framework and RAL 9010 white internal framework.
Rooflight Control:	Intelligent wall switch as standard. Optional controls available.
Power Supply:	External 24V 300W mains powered supply.
Drive Mechanism:	Motor-driven scissor linkage mechanism with encoder feedback.
Thermally Broken:	Yes.
Seals:	Combination of silicone, TPE bubble seals and dual-hardness EPDM gasket.
Security:	Mechanisms cannot be back-driven due to motor gearing reduction and mechanisms cannot be disconnected from lid from outside whilst closed. Rooflight base is sealed to upstand with polybutyl sealant and mechanically fixed to the kerb using stainless steel woodscrews.

Skyhatch Electric Kerb Dimensions:	Min Span = 900mm Min Width = 900mm	Max Span = 1100mm Max Width = 2000mm
All Variants Kerb Requirements:	Min Pitch = 3° Min Height = 150mm	Max Pitch = 70° Min Thickness = 100mm

Sales Drawings:	<u>Drawing Number</u>	<u>Description</u>
	407-ASS-001	Skyhatch Electric general arrangement details
	407-ASS-002	Skyhatch Electric kerb detail
	407-ASS-003	Skyhatch Electric Section A-A
	407-ASS-004	Skyhatch Electric Section B-B
	407-ASS-005	Skyhatch Electric Detail C
	407-ASS-006	Skyhatch Electric client wiring diagram
	407-ASS-007	Skyhatch Electric rain sensor positioning

Optional extras

Rain Sensor:	YES	Battery back-up:	YES
Security System Integration:	NO	Rain Sensor Overrides:	N/A
Thermostat:	YES	Dual Colour:	AS STANDARD
BMS Integration:	YES	Special Colour:	YES
Trickle Vents:	NO	Solenoid Bolt:	N/A
Wall Abutted:	YES (Bespoke)	Downlighter:	N/A
Round:	NO	Multi-Part:	N/A
RITEC Coating:	YES	Remote Control:	YES

