



Technical Data Sheet

GLAZING VISION

Manual VisionVent

VVM-TDS-v2.8-24.09.2018

Name:	GV Standard Manual VisionVent
Code:	401
Type:	Manually hinged ventilation rooflight
Description:	Manually actuated, thermally broken hinged rooflight (Patent: GB2514119)
BIM:	https://www.nationalbimlibrary.com/glazing-vision-ltd/visionvent-manual-operation-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 heavy duty telescopic winder.

The Manual Vent Only VisionVent is used to provide ventilation. It is manually actuated by winding the telescopic spindle. Glazing Vision will supply one crank handle with each rooflight as standard, but multiple cranks can be ordered if required. The standard length is 1.5m long.

The Integrated Manual Vent Only VisionVent is essentially identical to the Solo version, but is designed to be inset into Flushglaze framing as part of a multi-section rooflight.

Kerb Dimensions (solo):	Min Kerb Thickness:	100mm*	Min Kerb Height:	150mm
	Min Span:	415mm	Max Span:	2365mm
	Min Width:	415mm	Max Width:	2365mm
	Min Pitch:	3°	Max Pitch:	70°
Kerb Dimensions (integrated):	Min Kerb Thickness:	100mm	Min Kerb Height:	150mm
	Min Span:	450mm	Max Span:	2400mm
	Min Width:	415mm	Max Width:	2365mm
	Min Pitch:	3°	Max Pitch:	70°

*PLEASE NOTE: Maximum kerb width for this product is 125mm. If this dimension is exceeded the screw jack mechanism will potentially foul the internal wall and prevent correct operation of the unit.

Example Glass Specification: Outer: 6mm HST Clear toughened.
 Spacer: 18mm Black warm edge silicone-sealed argon-filled cavity.
 Inner: 8.8mm Clear soft low E laminated.

OTHER GLASS SPECIFICATIONS ARE AVAILABLE



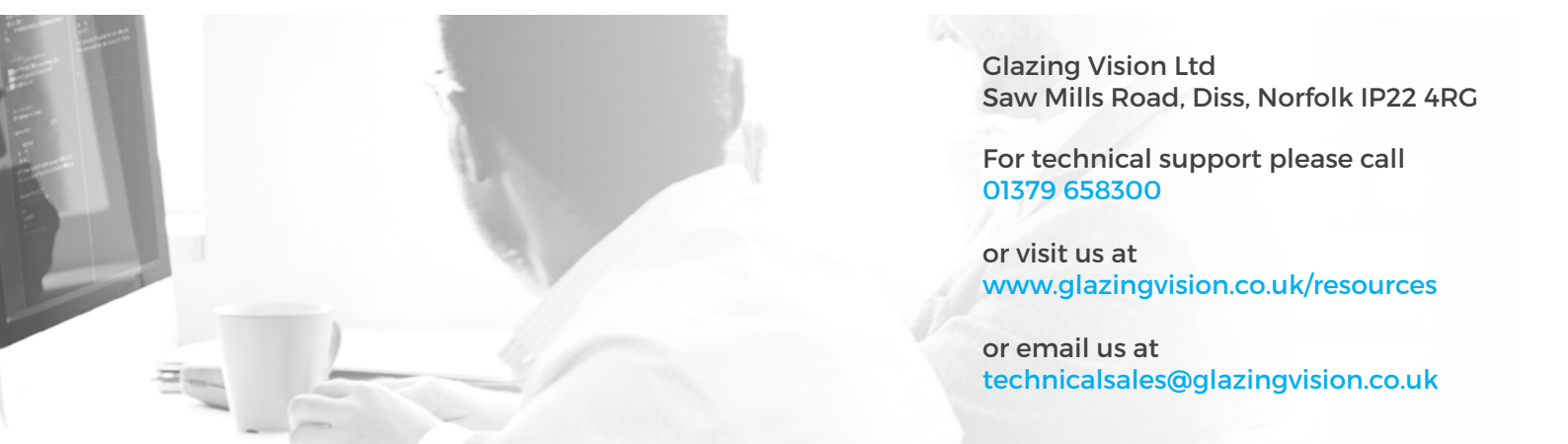
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Standard Colour:	Qualicoat approved RAL 7015 slate grey outer, RAL9010 pure white inner (base interior)			
Rooflight Control:	Manually operated			
Power Supply:	NA			
Drive Mechanism:	Screw jack and crank handle			
Thermally Broken:	Yes.			
Seals:	Combination of silicone, TPE bubble seals and dual-hardness EPDM gasket.			
Security:	Tested to LPS2081 Issue 1:2015. Approved by the Loss Prevention Certification Board (Cert/ LPCB ref: 1347a) Approved Secured by Design.			
Use for Access:	Vent only.			
CAD Drawings:	Drawing Number	Description		
	401-ASS-404	Integrated Manual VisionVent		
	401-ASS-409	Manual Vent Only		
Optional Extras:	Remote Control:	No	RITEC Coating:	Yes
	Rain Sensor:	No	Dual Colour:	Yes
	Solenoid Bolt:	No	Special Colour:	Yes
	Thermostat:	No	Security System Integration:	No
	BMS Integration:	No	Downlighter:	No
	Trickle Vents:	No	Multi-Part:	NA
	Wall Abutted:	Yes (bespoke)	Battery Backup:	No



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Technical Data Sheet

GLAZING

VISION

Chain Actuated VisionVent

VVCHAIN-TDS- v1.5- 24.09.2018

Name:	GV Standard Chain-actuated VisionVent			
Code:	401			
Type:	Hinged ventilation rooflight			
Description:	Electric chain-actuated, thermally-broken hinged rooflight (Patent: GB2514119)			
BIM:	https://www.nationalbimlibrary.com/glazing-vision-ltd/visionvent-chain-operation-rooflight			
Kerb Dimensions:	Min Kerb Thickness:	100mm	Min Kerb Height:	150mm
	Min Span:	1000mm	Max Span:	1000mm
	Min Width:	1000mm	Max Width:	2200mm
	Min Pitch:	3°	Max Pitch:	70°
Example Glass Specification:	Outer: 6mm HST Clear toughened. Spacer: 20mm Warm edge black silicone-sealed argon-filled cavity. Inner: 6mm HST Clear soft low E laminated.			
	OTHER GLASS SPECIFICATIONS ARE AVAILABLE			
Standard Colour:	Qualicoat approved RAL 7015 slate grey outer, RAL9010 pure white inner (base interior)			
Rooflight Control:	Wall switch as standard.			
Drive Mechanism:	Motor driven chain actuated.			
Thermally Broken:	Yes.			
Seals:	Combination of silicone, TPE bubble seals and dual hardness EPDM gasket.			
Security:	Tested to LPS2081 Issue 1:2015. Approved by the Loss Prevention Certification Board (Cert/LPCB ref: 1347a) Approved Secured by Design.			
Use for Access:	Vent only.			



Technical Data Sheet

GLAZING VISION

Chain Actuated VisionVent

WVCHAIN-TDS- v1.5- 24.09.2018

CAD Drawings:

Drawing Number

Description

401-ASS-401	VisionVent kerb detail
401-ASS-411	VisionVent wall abutment detail
401-ASS-413	Chain actuated vent
401-ASS-414	Chain actuated vent client wiring diagram
401-ASS-419	Chain actuated vent with rain sensor client wiring diagram

Optional Extras:

Remote Control:	No	RITEC Coating:	Yes
Rain Sensor:	Yes	Dual Colour:	Yes
Solenoid Bolt:	No	Special Colour:	Yes
Thermostat:	Yes	Security System Integration:	No
BMS Integration:	No	Downlighter:	N/A
Trickle Vents:	No	Multi-Part:	N/A
Wall Abutted:	Yes (bespoke)	Rain Sensor Overrides:	No



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Technical Data Sheet

GLAZING VISION

Electric VisionVent

VVE-TDS-v3.0-24.09.2018

Name:	GV Standard Electric VisionVent
Code:	401
Type:	Electrically hinged ventilation rooflight
Description:	Electrically-actuated thermally broken hinged rooflight (Patent: GB2514119)
BIM:	https://www.nationalbimlibrary.com/glazing-vision-ltd/visionvent-powered-operation-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 for the larger sizes, as well as good security and unobstructed clear views. Advanced electronics control system offering low opening currents.

There are two variants of electric VisionVent: Solo Electric Vent Only and Integrated Electric Vent Only. The integrated versions are similar to the Solo equivalent but are designed to be inset into Flushglaze framing as part of a multi-section rooflight.

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

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

Kerb Dimensions (solo):	Min Kerb Thickness:	100mm	Min Kerb Height:	150mm
	Min Span:	808mm	Max Span:	2365mm
	Min Width:	845mm	Max Width:	2400mm
	Min Pitch:	3°	Max Pitch:	70°
Kerb Dimensions (integrated):	Min Kerb Thickness:	100mm	Min Kerb Height:	150mm
	Min Span:	902mm	Max Span:	2402mm
	Min Width:	882mm	Max Width:	2402mm
	Min Pitch:	3°	Max Pitch:	70°

Example Glass Specification: Outer: 6mm HST Clear toughened.
 Spacer: 18mm Black warm edge silicone-sealed argon-filled cavity.
 Inner: 8.8mm Clear soft low E laminated.

OTHER GLASS SPECIFICATIONS ARE AVAILABLE



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Electric VisionVent

VVE-TDS-v3.0-24.09.2018

Standard Colour:	Qualicoat approved RAL 7015 slate grey outer, RAL9010 pure white inner (base interior)
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:	Tested to LPS2081 Issue 1:2015. Approved by the Loss Prevention Certification Board (Cert/ LPCB ref: 1347a) Approved Secured by Design.
Use for Access:	Vent only.

CAD Drawings:	Drawing Number	Description
	401-ASS-400	VisionVent General Arrangement
	401-ASS-401	VisionVent Kerb Detail
	401-ASS-402	VisionVent Rain Sensor Positioning
	401-ASS-403	VisionVent Client Wiring Diagram
	401-ASS-405	VisionVent Solo Electric Section
	401-ASS-406	VisionVent Integrated Sections
	401-ASS-407	Section A-A Through Integrated VisionVents
	401-ASS-408	Section B-B Through Integrated VisionVents
	406-ASS-411	VisionVent Wall Abutment Detail

Optional Extras:	Remote Control:	Yes	RITEC Coating:	Yes
	Rain Sensor:	Yes	Dual Colour:	Yes
	Solenoid Bolt:	No	Special Colour:	Yes
	Thermostat:	Yes	Security System Integration:	No
	BMS Integration:	No	Downlighter:	No
	Trickle Vents:	No	Multi-Part:	NA
	Wall Abutted:	Yes (bespoke)	Battery Backup:	Yes

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