



GLAZING VISION

Manual Visionvent Skylight

401-TDS-US-001 – v1.4 – 26 Aug 2020

Name: Manual Visionvent
Type: Manually operated hinged skylight

Description:

The Manual Visionvent is a thermally efficient product designed to provide ventilation. The product can be manually opened to a maximum height of approximately 12” through the use of a brass screw jack. Each unit is supplied with a crank handle. As standard this is 5’ long (suitable for installations where the product is at a reach of up to 10’ above floor level).

A variety of optional extras such as special color and easy clean coating are available.

This product is robust and long-lasting, boasting excellent thermal performance, air tightness and reliable operation.

Intended Use: Hinged skylight to provide natural daylight, day-to-day ventilation and weather resistance. It is not suitable for use as access.

External Weathered Curb Dimensions:	Min Span:	17”	Max Span:	93”
	Min Width:	17”	Max Width:	93”
	Min Area:	1.9 ft ²	Max Area:	24.2 ft ²
	Min Curb Pitch:	5/8” : 12” (3°)	Max Curb Pitch:	32-7/8” : 12” (70°)
	<i>Glazing Vision recommends a pitch of at least 1-1/8” : 12” (5°).</i>			

Note that the minimum and maximum span, width and pitch are dependent on various factors, your technical sales advisor will be happy to advise on these. Further information on curb requirements and product dimensions can be found on our website or by contacting your technical sales advisor.

Glazing: A wide variety of glazing specifications are available for this product. Your technical sales advisor will be happy to answer any questions regarding specific glass specifications or glazing performance requirements. Otherwise, quotes include suitable and cost effective glazing proposals.

Standard Colors: Qualicoat approved RAL 7015 slate grey outer, RAL 9010 pure white inner.

Manual Operation: The product is opened and closed by a centrally mounted brass screw jack, which is operated by the user below with a long crank handle.

Performance and Weathertightness: The product comprises thermally broken aluminum sections consisting of polyamide thermal breaks and closed cell PIR insulation thermally isolating the inner and outer frame sections. The lid frame of the product employs a dual hardness EPDM insulating gasket to thermally isolate the frame from the interior of the building. Structural integrity is assured through the use of finite element analysis (FEA) and testing.

U-factors are calculated for each product and will be supplied in our quote. Further information and specific performance details can be obtained from your technical sales advisor.

The product is sealed to the curb using silicone and fixed in place with structural fixings which are concealed by a clip-on cover leaving a sleek external finish. Sealing between the base frame and the lid frame is achieved using a combination of silicone bubble seals and dual hardness EPDM gasket.

The product has been thoroughly tested.

Security:

This product is designed with security as a priority. The mechanisms cannot be back driven and cannot be tampered with from the outside.

Optional Extras:

The following optional extras are available for this standard product at additional cost:

- Easy Clean Coating:** A coating applied to the external face of the glass that facilitates water run-off. Helps the glass stay cleaner for longer and makes cleaning easier.
- Special Color(s):** This product has separate inner and outer colors as standard. Each can be swapped for a special color.
- Telescopic Crank Handle:** An extra long telescopic (5.5' – 10' long) crank handle supplied in place of the standard crank handle. This is suitable for installations where the product is at a reach of up to 15' above floor level.
- Curb Top Trim:** Cover designed to mask the top of curbs which may be visible through glass when viewed from above. Includes detail to recess standard drywall.

[A suite of sales drawings is available.](#)

[Custom options may be available upon request but may incur additional design fees – contact your technical sales advisor for more information.](#)

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GLAZING VISION

Electric Visionvent Skylight

401-TDS-US-002- v1.3 – 26 Aug 2020

Name: Electric Visionvent
Type: Electrically operated hinged skylight

Description:

The Electric Visionvent is a thermally efficient product designed to provide ventilation. The product can be opened to a maximum height of approximately 12” using electrically operated mechanisms, that remain stable in high wind conditions.

A variety of optional extras including a rain sensor, thermostat, remote control and home automation connectivity are available.

This product is robust and long-lasting, boasting excellent thermal performance, air tightness and reliable operation.

Intended Use: Hinged skylight to provide natural daylight, day-to-day ventilation and weather resistance. It is not suitable for use as access.

External Weathered Curb Dimensions:	Min Span:	32”	Max Span:	93”
	Min Width:	34”	Max Width:	94”
	Min Area:	7.4 ft ²	Max Area:	32.2 ft ²
	Min Curb Pitch:	5/8” : 12” (3°)	Max Curb Pitch:	32-7/8” : 12” (70°)
	<i>Glazing Vision recommends a pitch of at least 1-1/8” : 12” (5°).</i>			

Note that the minimum and maximum span, width and pitch are dependent on various factors, your technical sales advisor will be happy to advise on these. Further information on curb requirements and product dimensions can be found on our website or by contacting your technical sales advisor.

Glazing: A wide variety of glazing specifications are available for this product. Your technical sales advisor will be happy to answer any questions regarding specific glass specifications or glazing performance requirements. Otherwise, quotes include suitable and cost effective glazing proposals.

Standard Colors: Qualicoat approved RAL 7015 slate grey outer, RAL 9010 pure white inner.

Control, Power and Drive: The product is operated using a supplied wall mounted switch connected to a control box mounted inside the product framework via a flying lead.

Also supplied is an externally housed low voltage 24V Power Supply Unit requiring connection to the main power supply. It is recommended that the PSU is housed somewhere accessible.

The unit is driven by two scissor linkage mechanisms, mounted on either side creating an uninterrupted view, that are synchronized using motor encoder feedback and, in the event of power failure, can be manually overridden.

**Performance and
Weathertightness:**

The product comprises thermally broken aluminum sections consisting of polyamide thermal breaks and closed cell PIR insulation thermally isolating the inner and outer frame sections. The lid frame of the product employs a dual hardness EPDM insulating gasket to thermally isolate the frame from the interior of the building. Structural integrity is assured through the use of finite element analysis (FEA) and testing.

U-factors are calculated for each product and will be supplied in our quote. Further information and specific performance details can be obtained from your technical sales advisor.

The product is sealed to the curb using silicone and fixed in place with structural fixings which are concealed by a clip-on cover leaving a sleek external finish. Sealing between the base frame and the lid frame is achieved using a combination of silicone bubble seals and dual hardness EPDM gasket.

The product has been thoroughly tested.

Security:

This product is designed with security as a priority. The mechanisms cannot be back driven and cannot be tampered with from the outside.

Optional Extras:

The following optional extras are available for this standard product at additional cost:

Easy Clean Coating:	A coating applied to the external face of the glass that facilitates water run-off. Helps the glass stay cleaner for longer and makes cleaning easier.
Special Color(s):	This product has separate inner and outer colors as standard. Each can be swapped for a special color.
Remote Control:	Allows the product to be opened and closed from a short range.
Rain Sensor:	Automatically closes the product when moisture is detected.
Thermostat:	Automatically operates the product to regulate the temperature within the building.
Battery Backup:	Allows full operation of the product for a limited period in the event of a power failure.
Home Automation:	Allows the product to be operated by contact closure of a third-party home automation system.
Curb Top Trim:	Cover designed to mask the top of curbs which may be visible through glass when viewed from above. Includes detail to recess standard drywall.

A suite of sales drawings is available.

Custom options may be available upon request but may incur additional design fees – contact your technical sales advisor for more information.

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