



Residential Window & Door Systems

Edition 1.2



Factory 4/82 Hutchinson Street Burleigh Heads Qld 4220

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The Klassicview™ Range of Residential Windows and Door are the ideal choice for modern architectural requirements , meeting current design trends as well performance specifications.

The Klassicview™ range is suitable for residential and semi commercial buildings.

The Klassicview™ range consists of the following:

- 53mm & 76mm Sliding Window
- 53mm & 76mm Awning Window
- 53mm & 76mm Double Hung Window
- 101.6mm Louvre Window
- 53mm & 76mm Fixed Window
- 101.6mm Sliding Door & 165mm Sliding Stacking Door
- Plus a range of adaptors to create a range of window and door combinations



The Klassicview™ windows and doors have been fully tested and passed the stringent requirements of AS 2047.





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Sliding Window

53mm & 76mm

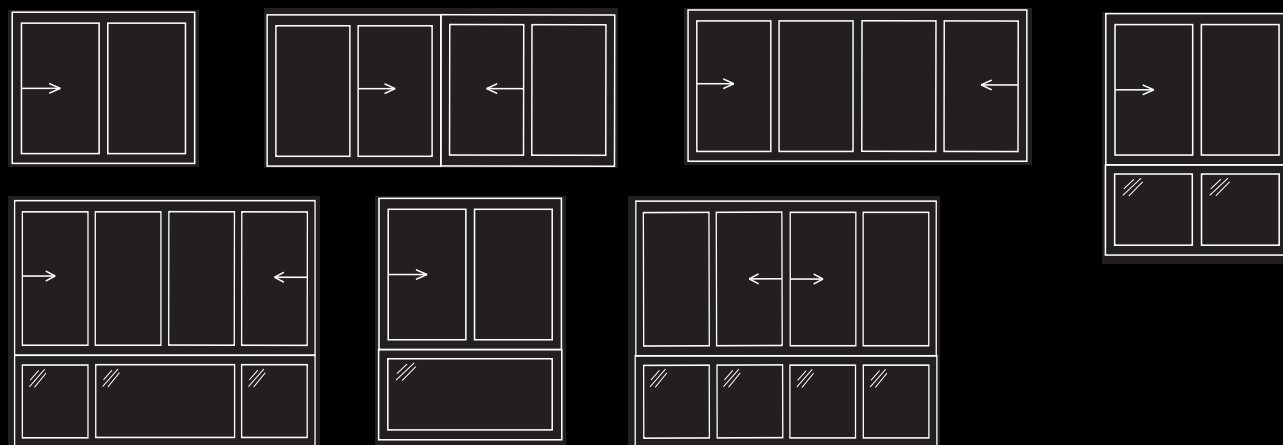
Design features

	53mm	76mm
Flyscreen available	✓	✓
Maximum weight per panel	40kgs	80kgs
Maximum height	1500mm	1650mm
Mullion centre locking system	✓	✓

Options

	53mm	76mm
Accepts timber reveals	✓	✓
A range of interlocks available for high performance	✓	✓
Can be coupled to other classicview systems	✓	✓
Accepts glass thickness 10.38mm single glazed	✓	✓
Accepts glass thickness up to 16mm double glazed		✓
Wide range of slide-fixed design combinations available including configurations with lowlights	✓	✓

Standard Configurations



Tested to AS2047:

KlassicView	Test Report Number	Water Rating PA	Structural PA	Ultimate PA
53mm Sliding Window *	AZT0223.14	250	1700	2100
76mm Sliding Window *	AZT0245.12	200	1800	2700

*Performance ratings reflect a specific size and configuration, Test report data may not cover all configurations and sizes.



Our products energy efficient ratings can be found on the Window Energy Ratings Scheme (WERS) website: www.wers.net







Awning Window

53mm & 76mm

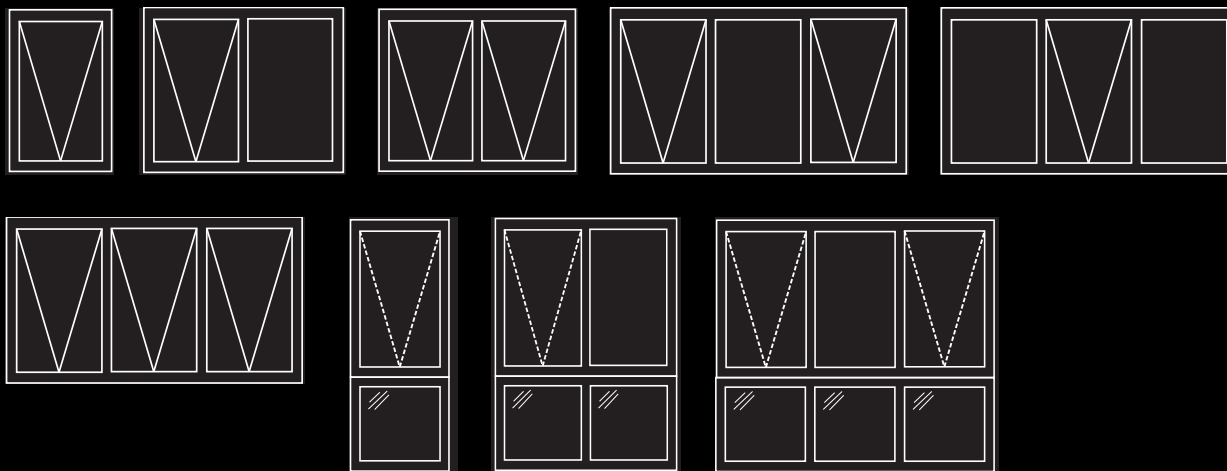
Design features

	53mm	76mm
Flyscreen available with simple clip system	✓	✓
Maximum weight per panel	27kgs	27kgs
Maximum height	1500mm	1500mm
Sashes are square cut for ease of manufacturing		✓
Sashes are mitre cut	✓	

Options

	53mm	76mm
Accepts timber reveals	✓	✓
Can be coupled to other klassicview systems	✓	✓
Accepts glass thickness 10.38mm single glazed	✓	✓
Accepts glass thickness up to 16mm double glazed		✓
Wide range of awning combinations available including configurations with sidelights, lowlights and highlights	✓	✓

Standard Configurations



Tested to AS2047:

KlassiCview	Test Report Number	Water Rating PA	Structural PA	Ultimate PA
53mm Awning Window *	AZT0221.14	300	900	1500
76mm Awning Window *	AZT0240.12	250	N/A	2200

*Performance ratings reflect a specific size and configuration, Test report data may not cover all configurations and sizes.



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Double Hung Window

53mm & 76mm

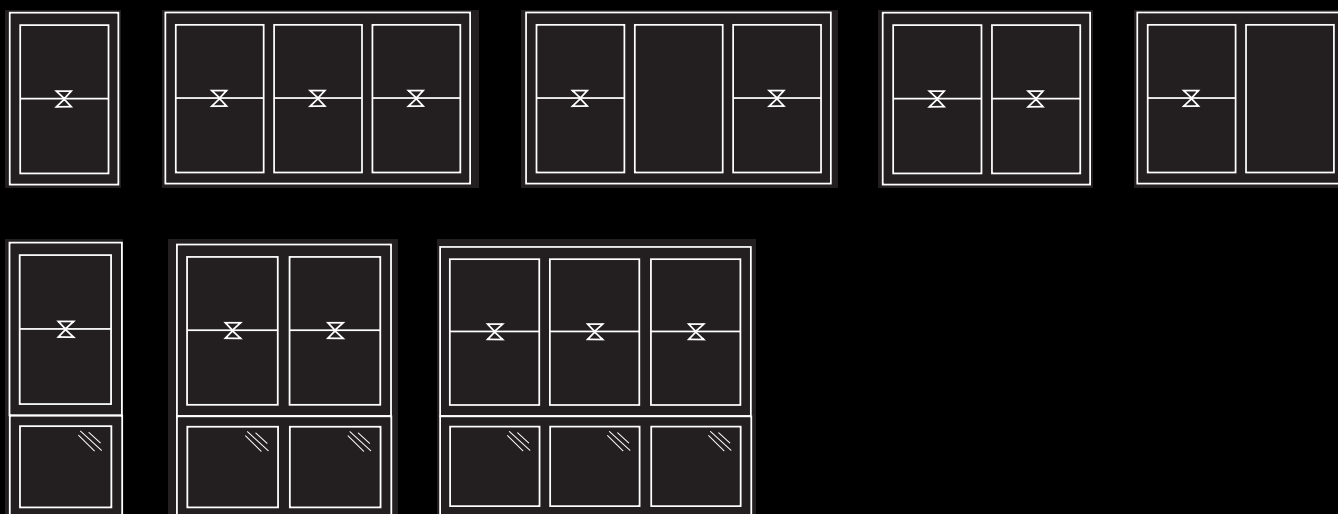
Design features

	53mm	76mm
Maximum weight per panel	21kgs	18kgs
Maximum width	1100mm	1200mm
Stylish lift type handles		✓
Finger slotted rail	✓	✓
Lock fitted to the interlocks without the use of a keeper	✓	✓
Self draining sill	✓	✓

Options

	53mm	76mm
Accepts timber reveals	✓	✓
Can be coupled to other klassicview systems	✓	✓

Standard Configurations



Tested to AS2047:

KlassiCview	Test Report Number	Water Rating PA	Structural PA	Ultimate PA
53mm Double Hung Window *	AZT0224.14	200	1800	2700
76mm Double Hung Window *	AZT0148.13	250	1800	2800

*Performance ratings reflect a specific size and configuration, Test report data may not cover all configurations and sizes.



Our products energy efficient ratings can be found on the Window Energy Ratings Scheme (WERS) website: www.wers.net







Louvre Window 100mm

Design features

	101.6mm
Maximum window size	2400mm x 900mm
Suitable for 6.38mm glass and 6mm aluminium blades	✓
Frame accepts flyscreen without the use of clips	✓
76mm frame used with 102mm blades used for modern architectural design	✓

Options

	101.6mm
Accepts timber reveals	✓
Can be coupled to other klassicview systems	✓
Left or right sided controls available	✓
Locking available for the louvre blades	✓

Tested to AS2047:

KlassiCview	Test Report Number	Water Rating PA	Structural PA	Ultimate PA
100mm Louvre Window *	AZT0149.13	150	N/A	4000

*Performance ratings reflect a specific size and configuration, Test report data may not cover all configurations and sizes.



Our products energy efficient ratings can be found on the Window Energy Ratings Scheme (WERS) website: www.wers.net







101.6mm Sliding Door & 165mm Sliding Stacking Door

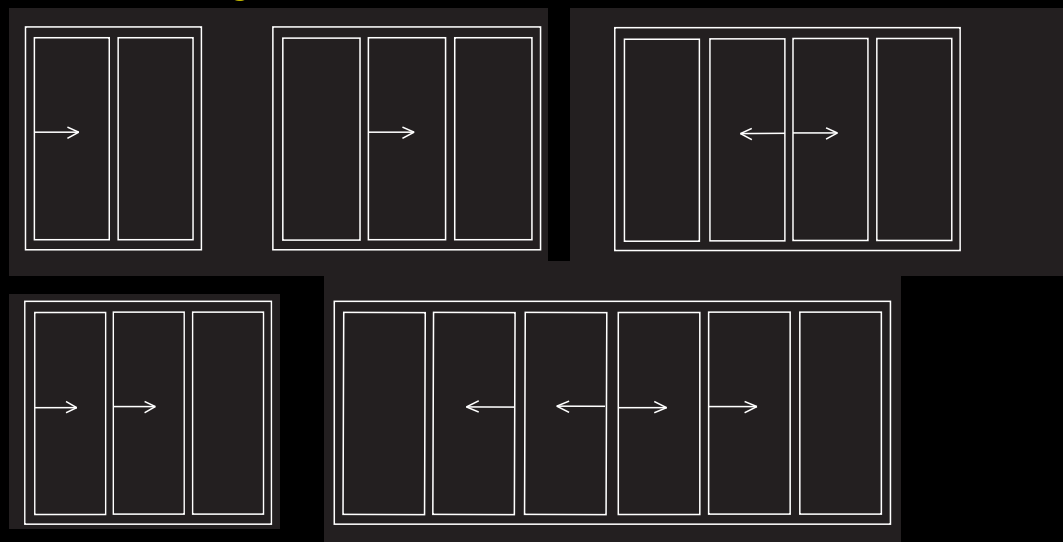
Design features

	101.6mm Sliding Door	165mm Stacking Door
Flyscreen track built into the frame system	✓	✓
Maximum height	2500mm	2500mm
Maximum weight per panel	120kgs	120kgs

Options

	101.6mm Sliding Door	165mm Stacking Door
Accepts timber reveals	✓	✓
Can be coupled to other classicview systems	✓	✓
Accepts glass thickness 10.38mm single glazed	✓	✓
Accepts glass thickness up to 16mm double glazed	✓	✓
Double track available for a variety of door combinations	✓	
Triple track available for a variety door combinations		✓
Wide range of slide-fixed design combinations available including configurations with lowlights	✓	✓

Standard Configurations



Tested to AS2047:

KlassicView	Test Report Number	Water Rating PA	Structural PA	Ultimate PA
Sliding Door *	AZT2586.12	200	1350	2000
Sliding Stacking Door *	AZT0283.12	250	850	1330

*Performance ratings reflect a specific size and configuration, Test report data may not cover all configurations and sizes.



Our products energy efficient ratings can be found on the Window Energy Ratings Scheme (WERS) website: www.wers.net





Fixed Window

53mm & 76mm

Design features

	53mm	76mm
Single and double glazing available with use of different beads		✓

Options

	53mm	76mm
Accepts timber reveals	✓	✓
Can be coupled to other klassicview systems	✓	✓
Accepts glass thickness 10.38mm single glazed	✓	✓
Accepts glass thickness up to 16mm double glazed		✓

Tested to AS2047:

KlassiCview	Test Report Number	Water Rating PA	Structural PA	Ultimate PA
53mm Fixed Window *	AZT0222.14	300	2460	3000
76mm Fixed Window *	AZT0241.12	600	2000	3000

*Performance ratings reflect a specific size and configuration, Test report data may not cover all configurations and sizes.



Our products energy efficient ratings can be found on the Window Energy Ratings Scheme (WERS) website: www.wers.net





Bushfire Ratings

The Australian Standard AS3959 has classified different bushfire intensity levels that a home may experience during a bushfire. These are referred to as Bushfire Attack Levels, or BAL's for short.

There are 6 bushfire attack levels in total (see table). These individual levels are based on;

- The region where you live.
- The vegetation type around your property.
- The distance from your home to individual vegetation types.
- Slope on the property.

Bushfire Attack Level (BAL)	Description of predicted bushfire attack and levels of exposure
BAL-LOW	There is insufficient risk to warrant specific construction requirements
BAL-12.5	Ember attack
BAL-19	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux between 12.5 and 19 kW m ²
BAL-29	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux between 19 and 29 kW m ²
BAL-40	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux with the increased likelihood of exposure to flames
BAL-FZ	Direct exposure to flames from fire front in addition to heat flux and ember attack

Bushfire Attack Levels



Kids Can't Fly

Children are experiencing falls from a variety of different types of dwellings ranging from apartment buildings, townhouses or duplex type accommodation and free standing homes.

The Building Code of Australia (BCA) has always contained measures to prevent falls from heights.

Until relatively recently, there were no specific requirements for windows, designers and certifiers would try to adapt the requirements for balustrades and apply them to windows.

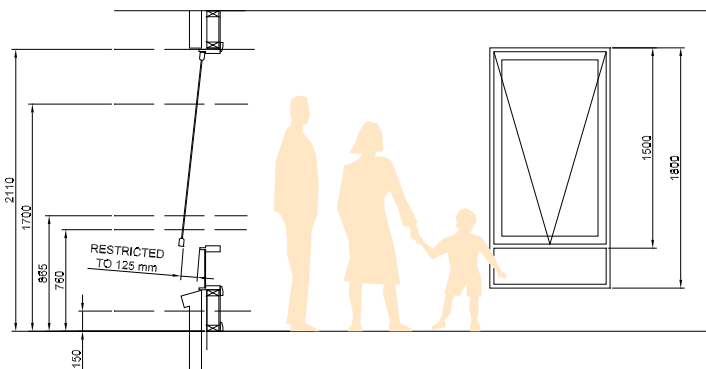
Finally, in 2009 specific requirements for windows were introduced. They were incorporated with, but distinct from the balustrade requirements. The wording has changed slightly over the years, but the essential details of the requirements have remained the same since BCA2009.

Conditions:

- Opening within 865 mm of the floor; and
- Climbable element between 150 and 760 mm above the floor.

Restrictions:

- Opening must be permanently restricted to 125 mm; or
- Fitted with a non-removable robust screen.

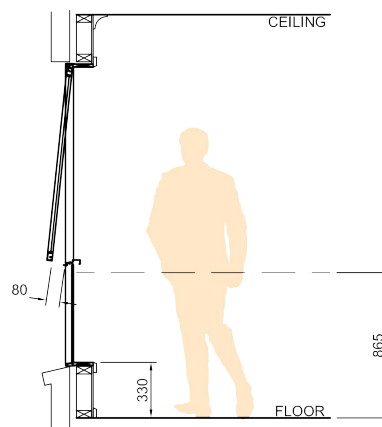


Conditions:

- Opening is between 865 and 1700 mm above the floor; and
- Climbable element between 150 and 760 mm above the floor.

Restrictions:

- Opening must be permanently restricted to 125 mm.



Above are two examples of conditions where restriction is required.
For more examples, visit the AWA website at www.awa.org.au

WERS Ratings

The Window Energy Rating Scheme (WERS) is accredited by the AFRC - which means that WERS ratings are compliant with the NCC. Reports are prescribed both the window performance for total window U Value (Uw) and total window Solar Heat Gain Coefficient (SHGCw).

U-value

U-value measures how well a product prevents heat from escaping. It is a measure of the rate of non-solar heat loss or gain through a material or assembly. U-value ratings generally fall between 2.0-10.0 W/m2.K for Australian products.

The lower the U-value, the greater a window's resistance to heat flow and the better its insulating value.

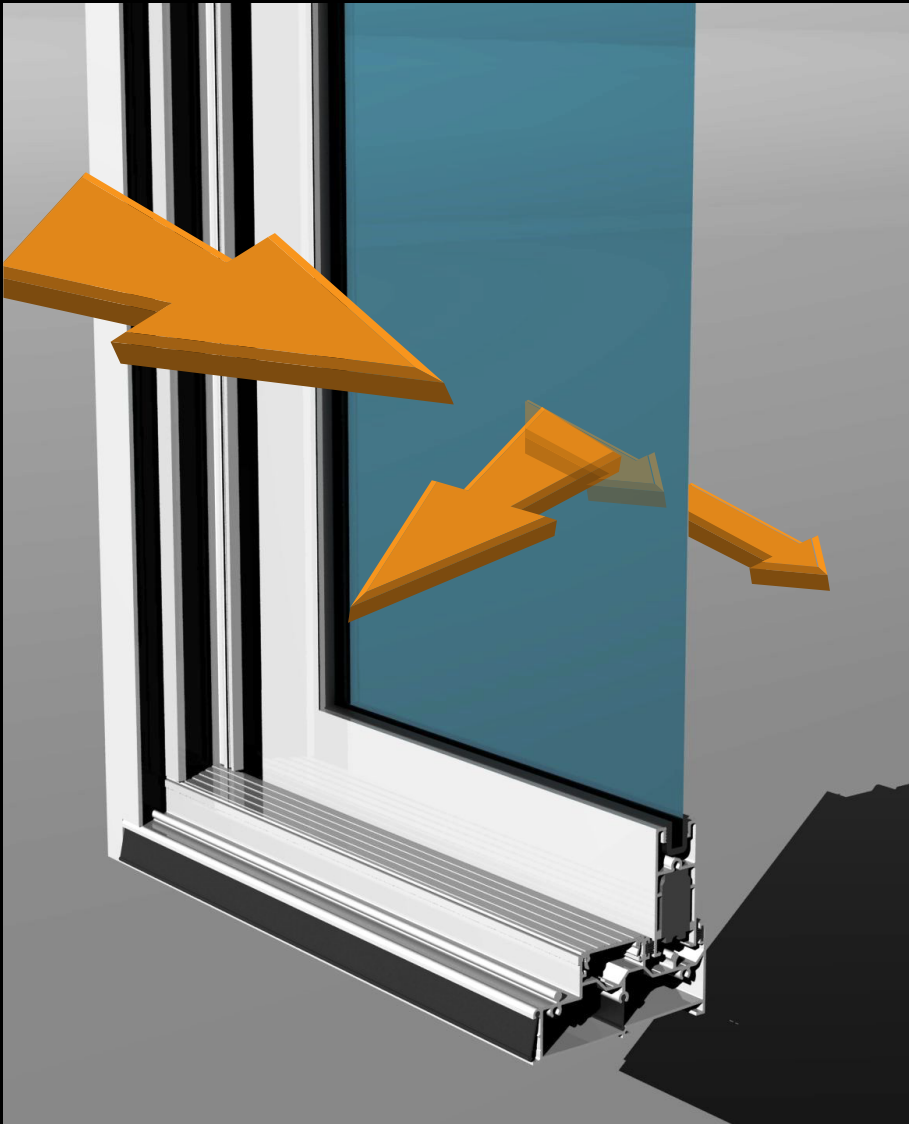
Solar Heat Gain Co-efficient (SHGC)

SHGC measures how well a product blocks heat caused by sunlight. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits.

Bellow are a sample selection of WERS ratings for the 76mm KlassicView range

Darley Aluminium							
Window ID	Glazing	Cooling Stars	Heating Stars	Cool	Heat	Uw	SHGC
KlassicView 76mm Awning Window							
DAR-027-09	6.38ClrLam	★ ★	★ ★ ★ ★ ★	24%	30%	6.5	0.6
DAR-027-02	10.38CPClr	★ ★ ★	★ ★ ★ ★ ★	40%	44%	5.1	0.49
DAR-028-07	6TS21/6/4ET	★ ★ ★ ★ ★	★ ★ ★ ★ ★	66%	36%	4.2	0.18
KlassicView 76mm Sliding Window							
DAR-029-09	6.38ClrLam	★	★ ★	22%	11%	6.4	0.63
DAR-029-02	10.38CPClr	★ ★ ★	★ ★ ★	41%	27%	4.8	0.5
DAR-030-07	6TS21/6/4ET	★ ★ ★ ★ ★	★ ★ ★	66%	16%	4	0.18
KlassicView 76mm Double Hung							
DAR-035-09	6.38ClrLam	★	★ ★	21%	12%	6.3	0.65
DAR-035-01	10.38CPClr	★ ★ ★	★ ★ ★	40%	28%	4.7	0.51
DAR-036-05	6TS21/6/4ET	★ ★ ★ ★ ★	★ ★ ★	67%	16%	3.9	0.18

6.38ClrLam = 6.38mm Clear Laminate
10.38CPClr = 10.38 Comfort Plus Clear
6TS21/6/4ET = 6mm Solar Plus TS21 Clear / 6mm Air Gap / 4mm Energy Tech



Tested to AS2047

Under the Building Code of Australia, we are required to produce windows and doors that meet mandatory minimum specifications under Australian Standard (AS) 2047 – including AS1288.

Simulations of high winds and driving rains

AS4420.2 Deflection Test - positive and negative wind pressures are applied to the face of the window to test the maximum deflection under wind load.

AS4420.5 Water Penetration Resistance Test- to verify that no water leaks through the window into the building.

Air infiltration pressure

AS4220.4 Air In filtration Test – the air leakage of a window is tested to ensure energy and acoustic efficiency.

Operating Force requirement

AS4420.3 Operating Force Test – to verify that an opening sash is capable of opening and closing without undue effort.

Ultimate proof testing

AS4420.6 Ultimate Strength Test – negative and positive wind pressures are applied to the window to at least 1.5 times the design wind pressure to ensure it does not fail in unusual wind conditions.





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