



ALTAIR[®] LOUVRE WINDOWS

for Commercial Buildings

breezway[®]

Mother Teresa College,
Western Australia

Altair Louvres can maximise
natural light and ventilation in
education buildings.

Front Cover Australia Towers,
Sydney, New South Wales.

Altair[®] Louvres

Energy Efficient Window Solution

Altair Louvre Windows are an environmentally sustainable alternative to fixed lite panels for maximising the flow of natural light and fresh breezes into a building.

Altair Louvres are fully WERS rated and can improve indoor airflow while significantly reducing the need for artificial cooling and lighting systems. By placing Altair Louvres on internal walls, fresh air can further ventilate throughout the interior of the building, whilst providing a connection to the outside environment to enhance the occupant's daily experience with the space.



PERFORMANCE

Available with 152mm and 102mm blades in glass, timber and aluminium. Tight sealing provides low air infiltration and ensures superior wind and water performance. Fully tested to comply with AS2047 "Windows in Buildings".



DURABILITY

Made entirely from corrosion resistant aluminium, stainless steel and UV-stabilised industrial strength plastics to ensure long life durability.



SECURITY

For high risk areas, security bars, keylocks or screens can be easily fitted when the Breezway Easyscreen[™] or Innoscreen[®] Window System are used. Fully tested to comply with Australian Standards.



CUSTOMISE

Wide choice of customising options to provide greater design flexibility. Powerlouvre[™] Window is available for automated solutions. The optional Stronghold[®] System can provide extra strength or safety if required.

“Ventilation is an important
element for all building
designs”

breezway[®]



**Dalzell College,
Western Australia**

Providing comfortable learning and teaching spaces for occupants.



**Mary Ellen Hotel,
New South Wales**

Aluminium blades provide shading and privacy while still maximising ventilation.



**Automated Application,
Australia**

Altair Powerlouvre Windows can be easily controlled by Bluetooth compatible smartphones.



Yishun Hospital, Singapore

Altair Louvres open to provide ventilation to patients in hospital beds.



Altair® Louvre Componentry for Commercial Frames.



Altair® Louvres in an SL2® Window System.



Altair® Louvres in an Innoscreen® Window System.



Altair® Louvres in an Easyscreen™ Window System.



Altair® Dualair™ Secondary Glazed Louvre System.

Featured Products



Altair® Powerlouvre™ Window System.



Altair® Louvre Windows with the Stronghold® System.

Component System

SL2® System

Innoscreen® System

Easyscreen™ System

Dualair™ System

Powerlouvre™ Window

Stronghold® System

Application	Galleries can be screwed or snapped into most aluminium, timber or uPVC windows frames.	Suitable for narrow frame applications when no screen is required.	Ideal framing option for buildings that require screening but desire that 'louvre look'.	Suitable for all building types with external screening available. Supplied fully assembled.	High performance secondary glazed louvre system for commercial buildings.
Frame Depth	Varies	52mm	131mm	131mm	150mm
Frame Height	Up to 3020mm	Up to 3048mm	Up to 3070mm	Up to 3061mm	Up to 2663mm
Frame Construction	Aluminium, Timber, UPVC	Aluminium	Aluminium	Aluminium	Aluminium**
Visible Fixings	Varies	None	None	None	None
Altair Louvre Bays	Yes	Yes	Yes	Yes	Yes
Fixed Lite Bays	Yes	Yes	Yes	Yes	Yes
Screening	Outside or No Screen	No Integrated Screening	Inside	Outside	No Integrated Screening
Control Options	<ul style="list-style-type: none">• Standard Handle• Low Profile Handle• Ring Handle• No Handles (Powerlouvre)	<ul style="list-style-type: none">• Standard Handle• Low Profile Handle• Ring Handle	<ul style="list-style-type: none">• Slide Handle• No Handles (Powerlouvre)	<ul style="list-style-type: none">• Standard Handle• Low Profile Handle• Ring Handle• No Handles (Powerlouvre)	<div>OUTSIDE<ul style="list-style-type: none">• PowerlouvreINSIDE<ul style="list-style-type: none">• Powerlouvre• Manual Control*<p>* Standard/Low Profile or Ring Handles</p></div>
Security Options	<ul style="list-style-type: none">• Keylocks• Integrated Solid Bars• Screens	<ul style="list-style-type: none">• Keylocks	<ul style="list-style-type: none">• Screens	<ul style="list-style-type: none">• Keylocks• Integrated Solid Bars• Screens	<ul style="list-style-type: none">• Keylocks
Reveals & Flashing	Available	Available	Available	Available	Not Available (Installation by sub framing only)
Compatible Sub Framing	Available	None	Available	Available	Available

Automated control for out of reach applications or integration into Building Management Systems.	Maximise ventilation in multi-level residential or commercial buildings.
131mm	131mm
Up to 2611mm	Up to 3070mm
n/a	n/a
None	None
Yes	Yes
n/a	n/a
n/a	n/a
<ul style="list-style-type: none">• Bluetooth® Enabled Apptivate® Control Unit• Building Management Systems• Normally open, non-latching switches	<ul style="list-style-type: none">• Standard Handle• Low Profile Handle• Ring Handle
<ul style="list-style-type: none">• Integrated Solid Bars• Screens	<ul style="list-style-type: none">• Integrated Solid Bars• Screens
n/a	n/a
n/a	n/a

**Alspec McArthur Evo 150mm Centre Pocket or Hunter Evo 150mm Acoustic.

Full specifications can be found at www.breezway.com.au/technical



Multi-Purpose Hall
Altair Louvre Windows are perfect for keeping multi-purpose halls freshly ventilated for players and spectators.



Breezway Design Assist, Australia
Our Sales Consultants are available to assist with all your louvre window enquiries.

Altair® Louvre

Technical Data

High Durability Finishes

The aluminium components of Altair Louvre Windows are available in two different surface finishes: anodised or standard powder coating.

Powder coatings are polyester coatings from leading powder suppliers applied to a thickness of 50-80 µm and anodised finishes are to a thickness of 25 µm.

Breezway has an onsite powder-coating line that is certified by Dulux to apply Duralloy and Duratec powders and by Akzo Nobel to apply Interpon D1000 and Interpon D2010 powders. Ten year warranties are offered on these products.

Over time, weathering of powder coated surfaces should be expected. Selecting the right powder for the atmospheric conditions of the site and correct maintenance will be critical to the ongoing appearance of the finish.

Fully Energy Rated

Energy ratings for Breezway Window Systems with a wide variety of glazing options are publicly available from the WERS website (www.wers.net). Breezway Louvre Windows with glass blades can achieve U-values as low as 2.4 and SHGC from 0.10 up to 0.64.

A research report commissioned by Breezway shows that Easyscreen Louvre Windows with Western Red Cedar Blades have a U-value of 4.4 and a SHGC of 0.11. (While these results are suitable for comparison with ratings in the WERS database, they are not authorised WERS ratings).

Acoustic Insulation Ratings

Testing shows that Altair Louvre Windows achieve Rw ratings of 27-28 when toughened glass blades are installed. This is comparable to the acoustic properties of some double glazed windows.

When using the Altair Dualair Secondary Glazed Louvre System, a Rw rating of 35 can be achieved with toughened glass blades.



Altair® Louvre Window Standard Heights

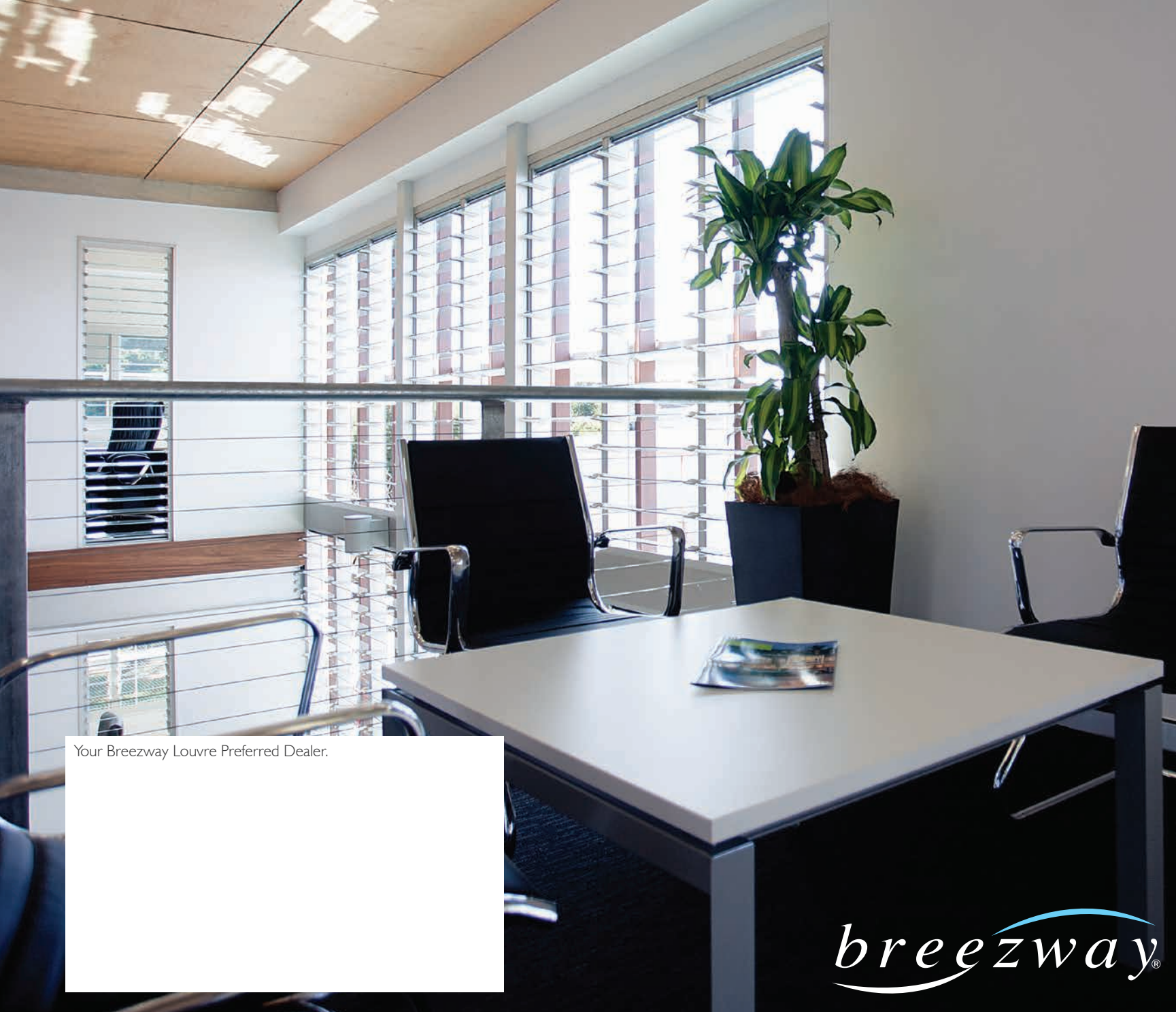
This chart indicates standard window heights corresponding to the number of full blades used in standard Breezway Louvre Window frames. For window heights differing from our standard dimensions, a fixed blade can be added to accommodate the difference. However please note the Dualair System is available in standard heights only and some off-standard heights are unavailable with the Powerlouvre System.

Galleries/Strip Hardware can be fitted to a number of different window fabricator's frames, please contact your fabricator for their standard window heights.

Sub Framing is available for the Easyscreen, Innoscreen and Dualair Window Systems. For more information please contact Breezway.

- For Powerlouvre Standard heights
- * For gallery height only, subtract 10mm from these standard heights.
- **Altair Powerlouvre Weatherstrip set must be used.
1. **Head:** Alspec® McArthur Evo™
Sill / Transom: Alspec McArthur Evo
2. **Head:** Alspec McArthur Evo
Sill / Transom: Alspec Hunter Evo™ Acoustic

	Easyscreen™ System Standard heights (Screens fitted to outside of frame)	Innoscreen® System Standard heights (Screens fitted to inside of frame)	SL2® System Standard heights	Dualair™ System Standard heights	Altair® Louvre Galleries including Weatherstrip*	Powerlouvre™ Galleries including Weatherstrip**
All dimensions are in millimeters (mm)						
No. of Blades	Height 152mm	Height 102mm	Height 152mm	Height 102mm	Height 152mm	Height 102mm
2	371	-	380	-	358	-
3	511	361	520	370	498	348
4	651	451	660	460	638	438
5	791	541	800	550	778	528
6	931	631	940	640	918	618
7	1071	721	1080	730	1058	708
8	1211	811	1220	820	1198	798
9	1351	901	1360	910	1338	888
10	1491	991	1500	1000	1478	978
11	1631	1081	1640	1090	1618	1068
12	1771	1171	1780	1180	1758	1158
13	1911	1261	1920	1270	1898	1248
14	2051	1351	2060	1360	2038	1338
15	2191	1441	2200	1450	2178	1428
16	2331	1531	2340	1540	2318	1518
17	2471	1621	2480	1630	2458	1608
18	2611	1711	2620	1720	2598	1698
19	2751	1801	2760	1810	2738	1788
20	2891	1891	2900	1900	2878	1878
21	3031	1981	3040	1990	3018	1968
22	-	2071	-	2080	-	2058
23	-	2161	-	2170	-	2148
24	-	2251	-	2260	-	2238
25	-	2341	-	2350	-	2328
26	-	2431	-	2440	-	2418
27	-	2521	-	2530	-	2508
28	-	2611	-	2620	-	2598
29	-	2701	-	2710	-	2688
30	-	2791	-	2800	-	2778
31	-	2881	-	2890	-	2868
32	-	2971	-	2980	-	2958
33	-	3061	-	3070	-	3048



Your Breezway Louvre Preferred Dealer.

breezway[®]

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