

BREEZWAY LOUVER WINDOWS IOS[®] WINDOW SYSTEM



breezway[®]
A JELD-WEN Company



Light. Air. Space. And Energy

At Breezway, we believe that the best approach to energy efficiency is to work with nature rather than against it. We believe that fresh trade winds should be used to cool buildings instead of air conditioning systems and that natural light should be used to provide light instead of electric light bulbs. This will reduce the amount of electricity needed which thereby reduces household energy costs and will improve the environment we live in for years to come.

Light. Air. Space. And a healthier environment.
That's what we're all about at Breezway.

High performance Louver Windows

Maximizing the flow of cool breezes throughout a single or multi-level dwelling is the most essential component of passive design. With the incorporation of high performance Breezway Altair Louver Windows on opposing walls, fresh, cool air can flow in one side of the room and hot, stale air can escape through the other. The indoor temperature of the building can be lowered naturally to assist the comfort of the room, which can effectively remove the need for electric air conditioning altogether.

Altair Louvers can now be fitted into the new custom designed ios Window System by Breezway to offer strength and durability for the Hawaiian louver window market. Locally manufactured in Hawaii, the ios Window offers inside or outside screening options. It is the innovative aluminum framing option for Altair Louver Windows in your home, resort, government building, or any other project where fresh air and energy efficient control of the building environment is important.

Altair Louver Windows have a cleverly designed, drainage channel and patented 'living hinge' design which pulls the clips tight against the gallery when the windows close. As a result, the tight sealing provides significant wind and water ratings to ensure maximum performance. Approved for use under the amended International Building Code, you can install them confidently knowing they are high performance windows that will increase the comfort and value of your building all year round.

There are a variety of blade types to choose from including tinted or clear glass for optimum views, wood blades for shading rooms from direct sunlight, while both wood and aluminum blades are great for providing privacy for occupants within the building.

Manufactured exclusively from strong, corrosion resistant materials, the ios Window System requires no ongoing maintenance other than regular cleaning. The design and choice of materials ensures Altair Louver Windows are an ideal option for coastal and tropical environments, drastically reducing lifetime maintenance costs.



ios[®] Window System Features

- The ios Window is an integrated window system specifically designed for use with Altair Louvers, resulting in high wind and water penetration performance.
- Conforms to performance requirements of the AAMA/WDMA/CSA 101/I.S.2/A440-05 standard and the amended International Building Code.
- Corrosion resistant aluminum coatings – high quality polyester powder coating or 25 micron anodized finishes (7 microns higher than Class 1 (A4) of the American Architectural Manufacturers Association standard AAMA 611-98).
- Manufactured from maintenance-free aluminum – cleaning is the only maintenance required.
- Designed for strength and long life durability.
- No ongoing costs – no need for periodic resealing of wooden frames.
- Can be manufactured to have suitable external or internal insect or security screens fitted.
- A variety of size, color and blade options available.
- The versatile frame depth and removable nail on fins suit most construction types.
- Altair Louver Windows snap into the ios Window System resulting in no visible screw holes and quicker assembly.
- The ios Window System is available fully assembled and ready for installation, thereby reducing on-site labor costs.
- Picture window combinations are available.
- Warranted for 7 years.

The ios Window System is built for strength and durability, manufactured exclusively from stainless steel, aluminum and UV-stabilized industrial strength plastics to ensure years of trouble-free operation.

When open, Altair Louver Windows capture cooling trade winds just as effectively as old style Jalousie Windows, and when closed, they seal tightly to provide superior wind and water performance.

The ios Window System is an innovative design that provides inside or outside screening options to homeowners.



ios[®] Window System with picture window



ios[®] Window System with inside slide screen handle



ios[®] Window System with outside screen

*Note Altair Louvers can also be fitted into vinyl, wood and other aluminum surround frames if required. Contact your local Breezway Preferred Dealer for more information.



Why Altair® Louvers

- Twice as open as most other window types to efficiently capture cooling trade winds from all directions.
- Patented 'living hinge' design gives tightest sealing in its class.
- Will not impede pathways when the window is open.
- Can be left open in gentle rain to maintain natural ventilation.
- Create a thermal chimney effect by positioning louvers up high and down low.
- Can be automated by incorporating the Altair Powerlouver Window into high, out-of-reach locations.
- The outside and the inside of the window can be cleaned from inside the building.
- The same window system can be used to externally screen downstairs, while using inside screens for upstairs in a multi-level building design.
- Only operable window that allows use of non-glass blades for shading or privacy.
- Versatile – can be tall or short, wide or narrow without affecting performance.
- Manufactured from aluminum and industrial grade plastics which require no maintenance other than regular cleaning and are corrosion resistant.

ios® Window System Options

- Variety of control options:
 - Choice of ergonomically designed Standard handle, Low Profile handle or Ring Pull handle for use with telescopic map rods in out of reach applications.
 - Choice of internal or external screening (Inside screen handle comes standard with internal screening option).
- Choice of blade size: 4" or 6" blade heights to suit your design needs.
- Choice of blade type: glass to take advantage of views, wood or obscure/tinted glass to provide shading and privacy or aluminum for a maintenance-free modern look.



Technical Specifications



ios® Window System Heights

No. of Blades	Banks of blades controlled from head downwards	Height 152mm	Height 6"	Banks of blades controlled from head downwards	Height 102mm	Height 4"
2	2	346mm	13-5/8"	-	-	-
3	3	486mm	19-1/8"	3	336mm	13-7/32"
4	4	626mm	24-21/32"	4	426mm	16-25/32"
5	5	766mm	30-5/32"	5	516mm	20-5/16"
6	6	906mm	35-21/32"	6	606mm	23-27/32"
7	7	1046mm	41-3/16"	7	696mm	27-13/32"
8	8	1186mm	46-11/16"	8	786mm	30-15/16"
9	9	1326mm	52-7/32"	9	876mm	34-7/16"
10	7 3	1466mm	57-23/32"	6 4	966mm	38-1/32"
11	7 4	1606mm	63-7/32"	6 5	1056mm	41-9/16"
12	7 5	1746mm	68-3/4"	6 6	1146mm	45-1/8"
13	8 5	1886mm	74-1/4"	6 7	1236mm	48-21/32"
14	9 5	2026mm	79-3/4"	7 7	1326mm	52-7/32"
15	7 8	2166mm	85-9/32"	7 8	1416mm	55-3/4"
16	7 9	2306mm	90-25/32"	9 7	1506mm	59-9/32"
17	8 9	2446mm	96-5/16"	9 8	1596mm	62-27/32"
18	9 9	2586mm	101-13/16"	9 9	1686mm	66-3/8"
19	9 4 6	2726mm	107-5/16"	9 5 5	1776mm	69-29/32"
20	9 6 5	2866mm	112-27/32"	9 5 6	1866mm	73-15/32"
21	9 7 5	3006mm	118-11/32"	9 5 7	1956mm	77"
22	-	-	-	9 6 7	2046mm	80-9/16"
23	-	-	-	9 6 8	2136mm	84-3/32"
24	-	-	-	9 6 9	2226mm	87-5/8"
25	-	-	-	9 9 7	2316mm	91-3/16"
26	-	-	-	9 9 8	2406mm	94-23/32"
27	-	-	-	9 9 9	2496mm	98-9/32"
28	-	-	-	9 6 4 9	2586mm	101-13/16"
29	-	-	-	9 6 5 9	2676mm	105-11/32"
30	-	-	-	9 7 5 9	2766mm	108-29/32"
31	-	-	-	9 7 6 9	2856mm	112-7/16"
32	-	-	-	9 7 7 9	2946mm	115-31/32"
33	-	-	-	9 7 8 9	3036mm	119-9/32"

ios® Louver Window Sizes

- Maximum bay width and height is dependant on site wind ratings, blade size and blade material.
 - Maximum ios width is 4000mm / 157-1/2"
 - Maximum ios height is 3036mm / 119-9/32"

For more information, please refer to the Product Performance Warranty in our Design Manual on the technical web page of the Breezway web site www.breezway.com

Recommended Specification

The louver windows shall be Altair® Louver Windows by Breezway® within the ios® Window System by Breezway.

The windows shall conform to the AAMA/WDMA/CSA 101/I.S.2/A440-05 harmonized standard for North America and the amended International Building Code.

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Your Breezway Preferred Dealer: