

# Glacier Series® Operable Glass Louvres

Louvreclad Glacier Series® operable louvres offer customisable airflow and rain defence with electric or manual operation. High-quality aluminium design ensures control, comfort, and energy efficiency. Ideal for sports halls, gyms, and warehouses.

## Features

PERFORMANCE	AESTHETICS	DESIGN
<b>Customisable Airflow &amp; Rain Defence</b>  Operable louvres provide 83% free open area when fully open. Electric or manual operation allows precise control over airflow and rain defence.	<b>Versatile Blade Options</b>  High-quality aluminium design with various cladding options, including glass, polycarbonate, and metal, to meet thermal, acoustic, and visual requirements. Suitable for commercial finishes.	<b>Optimal Comfort &amp; Efficiency</b>  Customisable pitch and opening angles connected to BMS and weather sensors. Ideal for sports halls, gyms, and warehouses, ensuring energy efficiency and comfort.

## Specifications

ORIENTATION	OPERATION	MATERIAL
<b>Horizontal</b>	<b>Electric motor/manual winder/pneumatic motor/other</b>	<b>Extruded Aluminium, Glass or custom substrate to suit performance requirements</b>
FINISH	ACCESSORIES	INSTALLATION
<b>Powder coat or anodised</b>	<b>Automated Control</b>	<b>Installation and mounting details will be designed in accordance with proprietary systems and recommendations as designed and manufactured by Louvreclad.</b>



## Explore the profile options

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### Glacier Series®

Operable glass louvres for controlled airflow



83 %  
FREE OPEN AREA

1800-2000 mm  
MAX SPAN

102 mm  
DEPTH

Horizontal  
ORIENTATION

300-400 mm  
PITCH

## Technical Data Disclaimer

- Indicative maximum span provided are based on generic permissible design wind pressure of 2kPa.
- Span values and product technical information provided are subjected to variance by project specific requirements & influence factors such building location, terrain category & local pressure effects.
- Span values provided are based on typical scenario where product specified are fixed at one end; simply supported at the other end and in either horizontal or vertical orientation.
- If the product specified is required to function as barrier for fall protection or as trafficable element, maximum span and pitch nominated may be reduced.
- Spans values provided could be influenced and reduced when used in dynamically sensitive wind environment.

For project specific product selection or preliminary design & engineering consultation, please contact 1300 165 678 or [sales@louvreclad.com](mailto:sales@louvreclad.com) to arrange or book a meeting.



Made to Perform

1300 165 678

[sales@louvreclad.com](mailto:sales@louvreclad.com)

[louvreclad.com](http://louvreclad.com)

# Glacier Series® Operable Glass Louvres

DAY DESIGN		ACOUSTIC LOUVRE INSERTION LOSS TEST CERTIFICATE		Test 4203A
		<b>Test Specimen:</b> <b>Glacier Series</b> <b>Glass Blade Operable Louvre</b> (6.38 mm thick laminated glass - closed configuration)		
<b>Frequency - Hz</b>		<b>Insertion Loss - dB</b>		
		1/3 Octave	1/1 Octave	
100		12		
125		14	14	
160		16		
200		18		
250		16	18	
315		19		
400		19		
500		21	21	
630		22		
800		22		
1000		22	22	
1250		22		
1600		20		
2000		18	19	
2500		18		
3150		19		
4000		21	20	
5000		22		

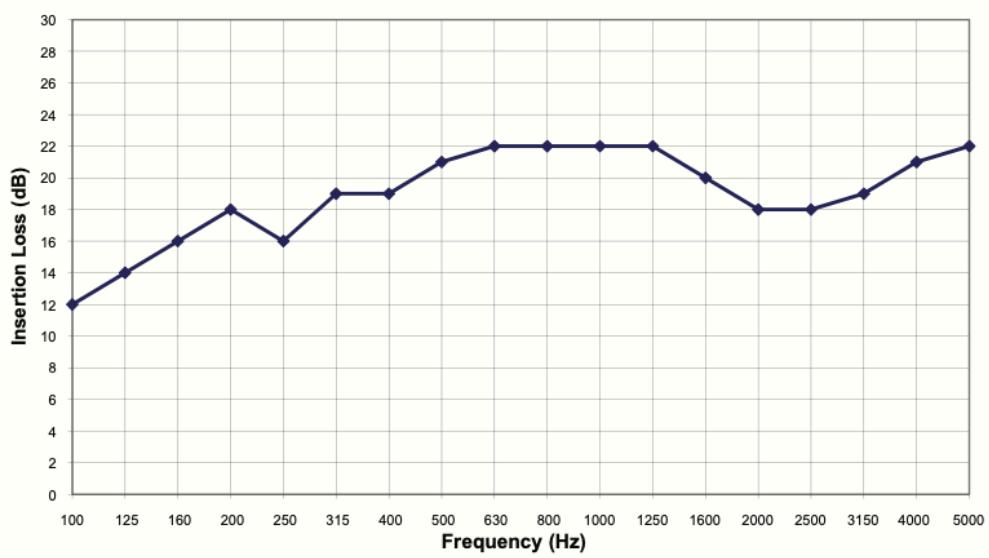
**Australian Standards:**  
Measured according to AS 1191-2002

**Test Specimen Dimensions:**  
1800 mm (H) x 1200 mm (W) x 45 mm (D)

**Test Location:**  
Twin Reverberation Rooms  
National Acoustic Laboratories  
126 Greville Street, Chatswood NSW

**Instrumentation:**  

- Brüel and Kjær Two Channel Pulse Analyser (assembly 2825, 7521, 2 x 3015)
- Brüel and Kjær Cathode Follower type 2639
- Brüel and Kjær Cathode Follower type 2669
- Brüel and Kjær Microphone type 4144
- Brüel and Kjær Microphone type 4179
- Brüel and Kjær Sound Level Calibrator type 4231
- Yamaha Professional Sound Sources type S50



Date of Test: Thursday, 20 August 2009  
Project Number: 4203A

Test Engineer: Alex Li, BE(Mech) Hons  
For and on behalf of Day Design Pty Ltd



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# Glacier Series® Operable Glass Louvres

**DAY  
DESIGN**

## PRESSURE DROP TEST CERTIFICATE

Test 4203A-P



Test Specimen:

### Glacier Series Louvre

Face Velocity (m/s)	Pressure Drop (Pa)
0.5	0.4
1.0	1.3
1.5	2.5
2.0	4.0
2.5	5.7
3.0	7.6
3.5	9.8
4.0	12.1
4.5	14.6
5.0	17.3

#### Test Specimen Dimensions:

1800 mm (H) x 1200 mm (W) x 350 mm (D)

#### Specimen Specifications:

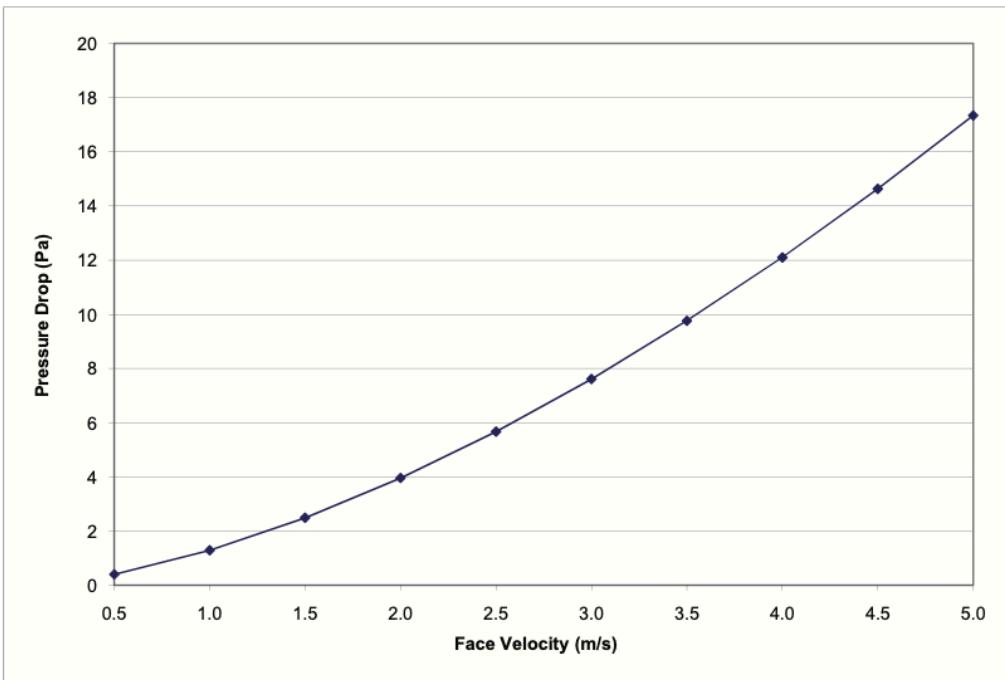
82% Open Area per Module  
Blades @ 328 mm Pitch  
Throat Height @ 268 mm

#### Test Location:

Twin Reverberation Rooms  
National Acoustic Laboratories  
126 Greville Street, Chatswood NSW

#### Instrumentation:

- Vaisala Digital Barometer (Type PTB201AD)
- Kestrel Anemometer (Model K2000)



Date of Test: Wednesday, 19 August 2009  
Project Number: 4203A-P

Test Engineer: Alex Li, BE(Mech) Hons  
For and on behalf of Day Design Pty Ltd



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## Inspire with Quality

As leaders in the building envelope market, we are known for exceptional quality and lasting value. Our credibility, wealth of knowledge, and unmatched competence enable us to inspire exterior solutions that look good and perform better.



## The MadeRight Guarantee

Following our proven process enables us to develop solutions we're proud to put our mark of quality to. We guarantee that all projects will be delivered in a timely manner, be on specification, engineered to Australian standards and finished to the highest quality.



## Made to Perform

Louvreclad solutions are made to last and manufactured on-site using high-quality Australian aluminium and steel. As an organisation we are driven to get a thousand things right everyday to achieve our vision to be the face of Australian Building. Our facades are not here to be average, they are here to perform – and so are we.

# Speak to an expert

Reach out today to discuss your facade solution requirements; we would love to hear from you.



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