



TYPICAL SECTION

AL150

VENTILATION + NOISE CONTROL

LOUVRE FREE AIR: 45% MINIMUM

PRODUCT DESCRIPTION

ADA Louvre Systems' compact single-blade acoustic louvre providing ventilation with broadband noise reduction in constrained façade openings and plant screens. Using aluminium blades with acoustic insulation infill and internal perforated liners, the system attenuates mechanical plant noise while maintaining efficient airflow. Independent testing demonstrates Class 1 aerodynamic performance (AS/NZS 4740:2025, CFD) and  $R_w$  13 (STC 13) acoustic performance for the tested configuration (AS 1191:2002 / AS/NZS ISO 717-1:2004).

MATERIAL

STANDARD - 6063-T5 aluminium frame and blades; internal semi-rigid acoustic insulation; internal perforated liner.

OPTIONAL - Aluminium or stainless steel bird/vermin mesh; fixings to suit substrate).

FINISH

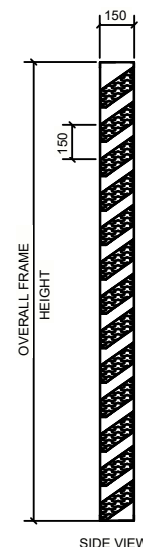
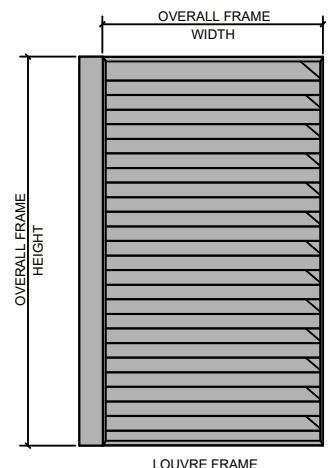
STANDARD - Natural anodised / mill finish

OPTIONAL - Coloured anodised or powdercoat

INSTALLATION

Factory-assembled louvre modules are installed into wall openings or plant screens and fixed through the perimeter frame to the supporting structure. Modules can be ganged for large openings. Flashings and mullions are supplied to suit.

DESIGN & DIMENSIONS





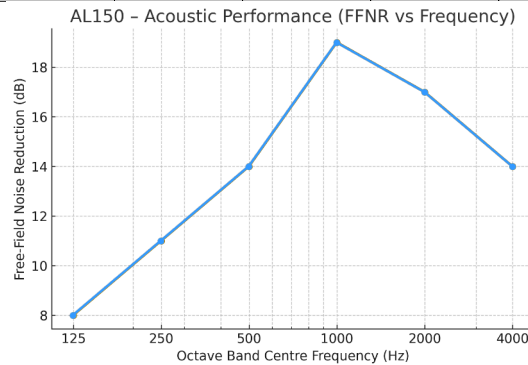
## TESTING

# AL150

### ACOUSTIC PERFORMANCE

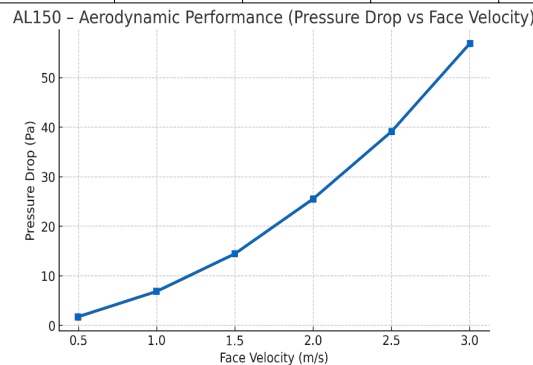
Measured at Octave Band Centre Frequencies

Metric	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Free-Field Noise Reduction (dB)	8.0	11.0	14.0	19.0	17.0	14.0
Transmission Loss (dB)	2.0	5.0	8.0	13.0	11.0	8.0



### AERODYNAMIC PERFORMANCE

Face Velocity (m/s)	0.5	1.0	1.5	2.0	2.5	3.0
Pressure Drop (Pa)	1.7	6.8	14.5	25.5	39.1	57.0



### COMPLIANCE

**Acoustic:** Tested to AS 1191:2002 and rated to AS/NZS ISO 717-1:2004 –  $R_w$  (C;Ctr) = 13 (0; -1) dB; STC 13 (tested 300 mm configuration).

**Aerodynamic:** Tested to AS/NZS 4740:2025 Appendix D; Class 1 with FOA 45 %,  $C_d$  0.71, EFA 0.32 (tested configuration).

**Fire:** Acoustic insulation infill non-combustible (AS 1530.1); AS/NZS 1530.3 indices: Ignitability 0, Spread of Flame 0, Heat Evolved 0, Smoke Developed 1 (2 for facing).

PLEASE NOTE: Project-specific selections and accessories (mesh, guards, rear traps) affect both acoustic and airflow performance.

ADA Louvres are completely Australian owned and made. We work to your specific needs with customisable sizing, finishes, and configurations to fit seamlessly into your business. For more information and a free quote please contact us at