

Performance Louver System

Product Overview:

ABC Acoustic Louvres are engineered to combine high-grade noise attenuation with low pressure-drop airflow for air-cooled chillers, dry-coolers and other outdoor HVAC equipment.

System Type:

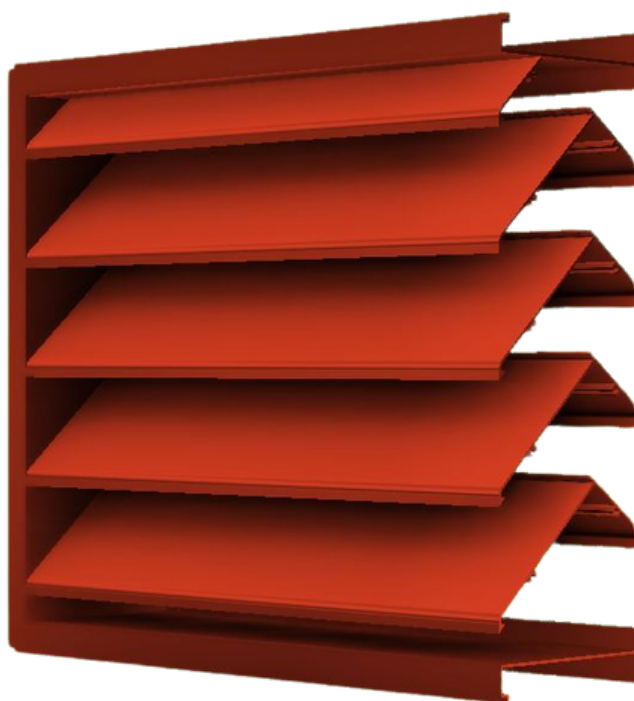
- Acoustic system
- Model: SB-AC-AL

Key Features and Benefits:

- Integral weather-resistant acoustic media (mineral-wool, 48 kg/m³, wrapped in black glass-cloth).
- Blade geometry optimised for 50 Hz–8 kHz octave-band attenuation.
- Certified to ISO 140-3 (sound reduction index) & ISO 5801 (aerodynamic).
- Manufactured from corrosion-resistant extruded aluminium alloy with powder-coat finish for lightweight, maintenance-free outdoor durability.

Application Scope:

Suitable for noise control and airflow management on concrete, steel or aluminium-clad equipment enclosures in exposed environments—rooftop chillers, plant rooms, balconies, basements, car parks, bridges, terraces, sports stands and any outdoor HVAC or acoustic screen wall.



Acoustic material infill in each blade.
Reference rendering only.
Custom size available

Performance Louver System

Typical Sound Power Level Reduction,
SB-AC-AL @ 1 m, full load

Frequency [Hz]	Without Louvre [dB(A)]	With Louvre [dB(A)]	Reduction [dB]
60-250	70	62	8-10
500-2000	79	71	8-10
4000-8000	75	67	8-10
Overall dB(A)	82	74	8-10

Pressure Loss vs Face Velocity

Face Velocity [m/s]	Pressure Drop [Pa]
2	35
3	75
4	130
5	205

Physical & Installation Data

Item	Specification
Standard Module Width * Height	1000mm * 1000mm
Overall Depth	up to 300 mm (double-bank) up to 150 mm (single-bank)
Blade Thickness	~3mm
Nominal Free Area	50%
Finishing	Powder-coat or PVDF available upon request
Mounting	Flanged frame or direct channel fixing