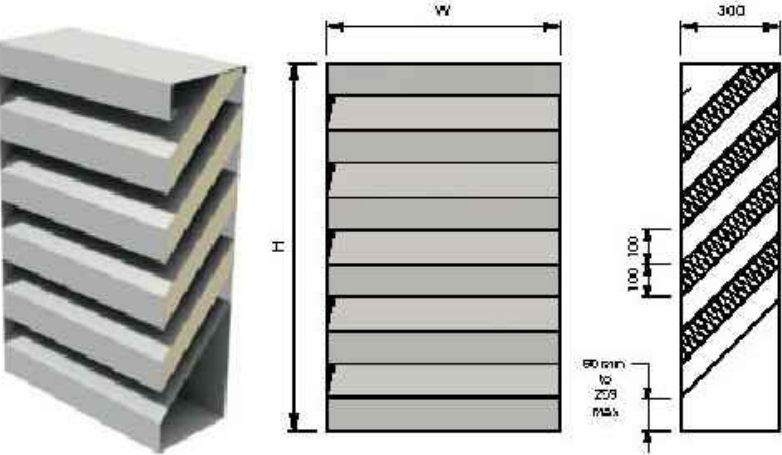


SS300 Acoustic Louvre  
Technical Data



Single Bank Acoustic Louvre, Standard Performance Profile, 300mm Deep

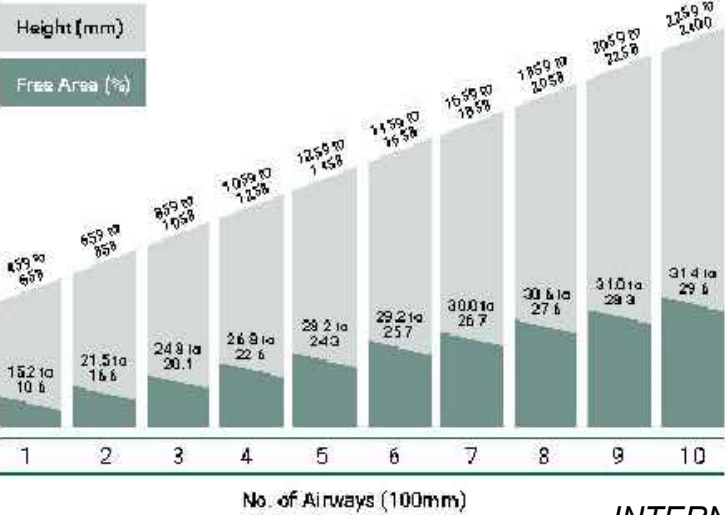


Typical weight 43kg/m<sup>2</sup>  
Generally louvres above 50kg will be supplied in modules for assembly on site. Joining brackets and fixings will be provided for assembly.  
Installation services, support steelwork, flashings, fixings to the structure and mastic will not be provided unless stated.  
Refer to the Acoustic Louvre Schedule and Product Code Definitions for the size and specification of each Acoustic Louvre.  
A minimum of 10mm clearance should be allowed between the structure and the Acoustic Louvre sizes shown.

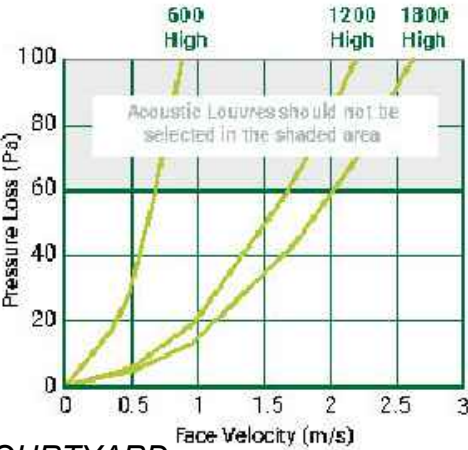
Performance

Acoustic Data	dB in each Octave Band Centre Frequency (Hz)							
	63	125	250	500	1k	2k	4k	8k
Sound reduction index	6	6	9	13	21	20	16	13
Weighted sound reduction index (R <sub>w</sub> )	17							
Static insertion loss	5	6	9	14	20	20	20	20
Regenerated sound power level at 1m/s face velocity	48	41	34	30	25	20	13	12
Regenerated sound power level at 2m/s face velocity	66	58	51	47	45	43	39	28

Free Area and Height range



Free area and pressure drop shown is based on a 1150mm wide single piece louvre fitted with bird mesh and will vary slightly for different widths and larger heights. Pressure losses for Class A rated louvres and/or insect mesh are available upon request.



1 A wide range of performance options available

Six different models are available with varying degrees of sound reduction performance using Acoustic Louvre depths of 150mm, 300mm and 600mm. Two models of matching 150mm deep Dummy Acoustic Louvres can also be provided with acoustic blanking at the rear where air movement is not required.

2 Optional panels fitted behind the Acoustic Louvres

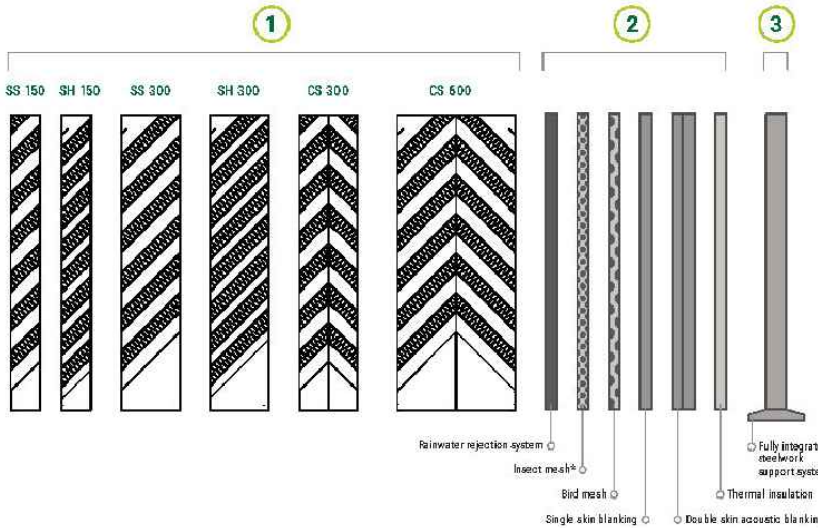
These options will make your building work better and help to match your specific requirements.

- Rainwater rejection system
- Bird mesh
- Insect mesh\*
- Single skin blanking
- Double skin acoustic blanking
- Thermal insulation

\* Please contact Caice to ensure the correct application of insect mesh

3 Steelwork support system

We have developed a steelwork support system that can be fully integrated into our design to enable easy installation of Acoustic Louvres for screening applications, enclosures or within large building apertures. Calculations can be provided to ensure structural and wind loading requirements are achieved.



CASE STUDY  
Cornwall Energy Recovery  
Centre (CERC)

St Austell, Cornwall.

We designed a completely new Acoustic Louvre to meet the Class A rainwater penetration requirements for this exposed project near the coast.

High winds and working through the winter also made installation challenging at 50 metres above the ground. Yet it was completed safely and on time with special scissor lifts externally and abseilers inside.

Full article available.



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020 364 268 00

- GENERAL NOTES
- All dimensions must be checked on site before any works commencement.
  - All discrepancies must be reported to the Main Architect before works proceed.
  - Only figured dimensions are to be used.
  - Any conflict of given data on the drawing(s) with site condition to be discussed with the Architect.
  - The General Contractor and/or all Sub-contractors working according these drawings and specifications to contact the architect or representative if any measurements do not appear correct or unclear, add up properly or scale correctly to the indicated size upon approvals.

- STRUCTURAL NOTES
- All drawings to be read in conjunction with structural engineer's drawings and specifications.
  - All Structural Elements Spans must be measured on site before ordering.
  - This drawing must be read in conjunction with the Structural Engineer's Drawings, Calculations and other details.
  - Accurate site dimensions are to be taken by the contractor on site prior to any construction commencing.

PROJECT  
RETENTION OF EXISTING  
OUTDOOR A/C UNITS BY  
COVERING THEM WITH AN  
ACOUSTIC LOUVER  
ENCLOSURE

PROPERTY ADDRESS  
108-109,  
HATTON GARDEN,  
EC1N 8NX

TITLE  
ENCLOSURE SPECIFICATIONS  
DWG REF FL129  
TAB A306

REV	10/05/23	01	DATE	09/06/2023
REV	18/05/23	02	DRAWN	NV
REV	18/01/24	03	CHECKED	AC
REV	31/01/24	04	SCALE	A3