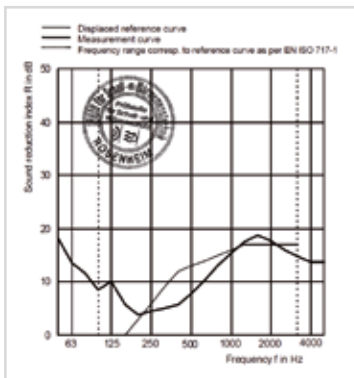


447/225

Acoustic wall louvre

SOUND-
REDUCTION
LOUVRE

ALUMINIUM



The acoustic properties of the Renson®-blades have been tested by the internationally recognized laboratory, IFT Lab Rosenheim (Germany) Water resistance tested by BSRIA laboratories.

MATERIAL

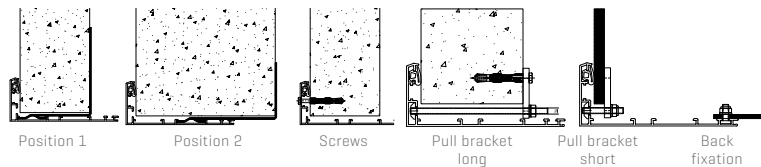
- Aluminum profiles AlMgSi 0,5 (according to EN 12020-2)
- Acoustic insulation material: non-flammable mineral wool
- Stainless steel mesh 304 6x6mm
- Finishing: anodized in satin colour (20 micron) or powder-coated in any RAL or Syntha Pulvin colour (40 micron)
- 100 % stainless

DIMENSIONS

- Blade pitch: 170 mm
- Depth to fit: 218 mm
- Flange size: 55 mm
- Height in steps of 150 mm (space between blades)
- Minimum dimensions: 300 W x 430 H

FIXING

- Fixing bracket: installation with bracket no. 1428 possible
 - position 1: up to 100 mm wall thickness
 - position 2: for wall thickness up to 200 mm
- Screws: Fix the screws from the outside through the flange (screw holes upon request)
- Pull bracket: fixation with a long pull bracket and expander bolts for wall mounting or a short pull bracket for connection to a ventilation channel (pull bracket rod optional)
- Fixation on the backside: by screwing a hammerhead bolt to a structural backframe.



SEALING POSSIBILITIES

- Sealing gasket: suitable for reduction of contact sounds (option sealing gasket)
- PU sealing tape: against water infiltration (option PU sealing tape)
- Silicone seal: seal the flange on the outside with silicone (option silicone)

OPTIONS

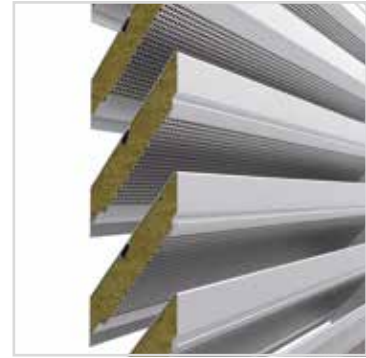
- Water channel
- Drainage profile
- Stainless steel 304 insect screen 2,3x2,3 or mesh (10x10/20x20 mm) or without
- Insect screen or mesh in stainless steel 316
- Filter
- Without flange



TECHNICAL SPECIFICATIONS

All properties are valid for the standard version of the Louvre, unless otherwise stated.

Airflow		[EN 13030]
K-factor [entry]		28.58
K-factor [discharge]		30.88
C _e coefficient		0.187
C _d coefficient		0.180
Comfort		[EN ISO 140-10, EN ISO 717-1]
Sound reduction R _w [C;C _v]		13 [-1;-3] dB
Technical data		
Visual free area		59%
Physical free area		37%
Total depth		225 mm

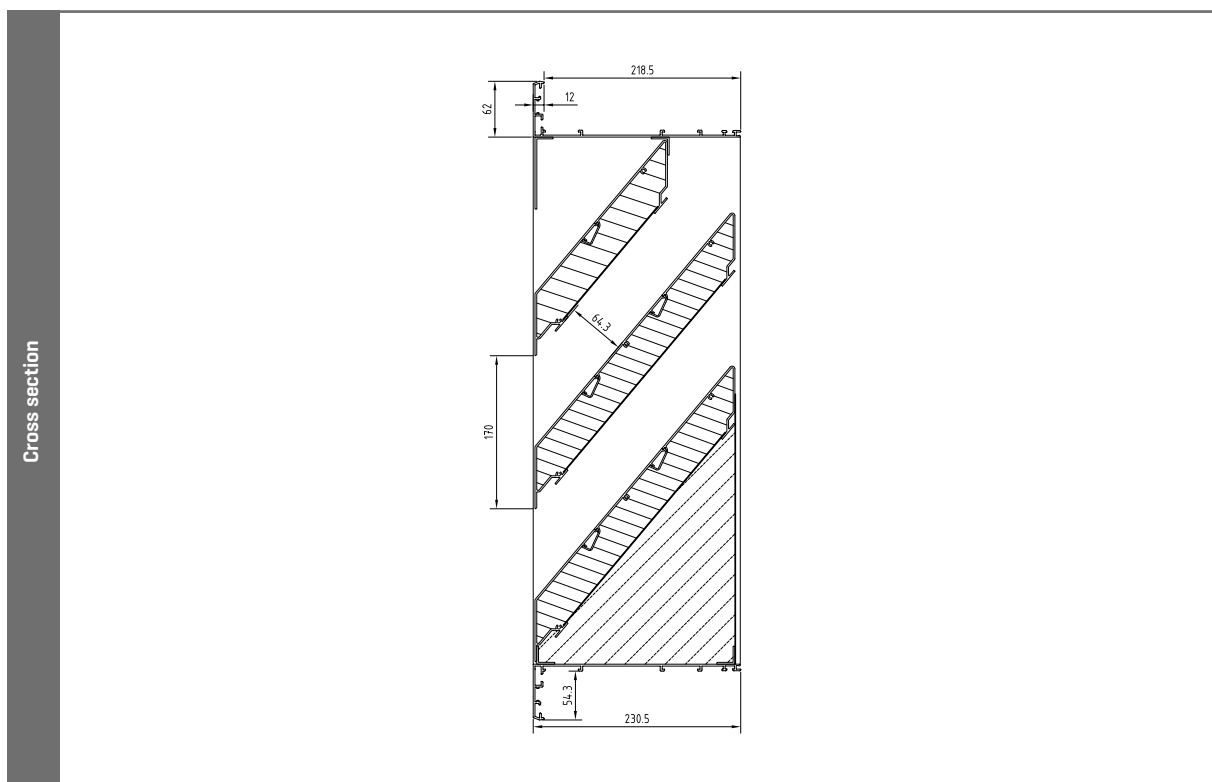


Section detail

SOUND REDUCTION IN DB PER FREQUENCY

f in Hz	R in dB
63	13.6
125	10.1
250	4.6
500	7.8
1000	15.4
2000	17.8
4000	13.7

TECHNICAL DRAWINGS



Cross section