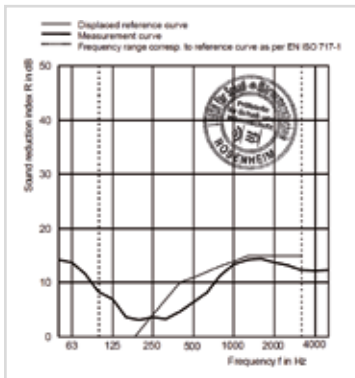


# 446/150

## 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

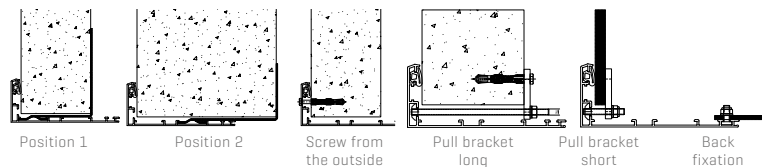
- Aluminum profiles AlMgSi 0,5 (according to EN 12020-2)
- Acoustic insulation material: non-flammable mineral wool
- Stainless steel mesh 304 6x6mm
- Finishing: anodized in satin colour (20 micron) or powder-coated in any RAL or Syntha Pulvin colour (40 micron)
- 100% stainless

### DIMENSIONS

- Blade pitch: 150 mm
- Depth to fit: 143 mm
- Flange size: 55 mm
- Height in steps of 150 mm (space between blades)
- Minimum dimensions: 300 W x 410 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
- For louvres 446/300 larger than 3m<sup>2</sup>, a backframe structure is required



### 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

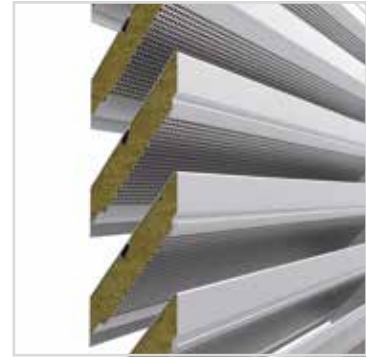
- Water channel
- Drainage profile
- Stainless steel 304 insect screen 2,3x2,3 or mesh (10x10/20x20 mm) or without
- Insect screen or mesh in stainless steel 316
- Filter
- Without flange



## TECHNICAL SPECIFICATIONS

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

<b>Weatherability</b>		[EN 13030]
Class [details see p. 12]		A4 [0 m/s]
<b>Airflow</b>		[EN 13030]
K-factor [entry]		38.46
K-factor [discharge]		34.48
C <sub>e</sub> coefficient		0.161
C <sub>d</sub> coefficient		0.169
<b>Comfort</b>		[EN ISO 140-10, EN ISO 717-1]
Sound reduction R <sub>w</sub> [C;C <sub>r</sub> ]		11 [-1;-2] dB
<b>Technical data</b>		
Visual free area		54%
Physical free area		34%
Waterproof		A [0 m/s]
Total depth		150 mm

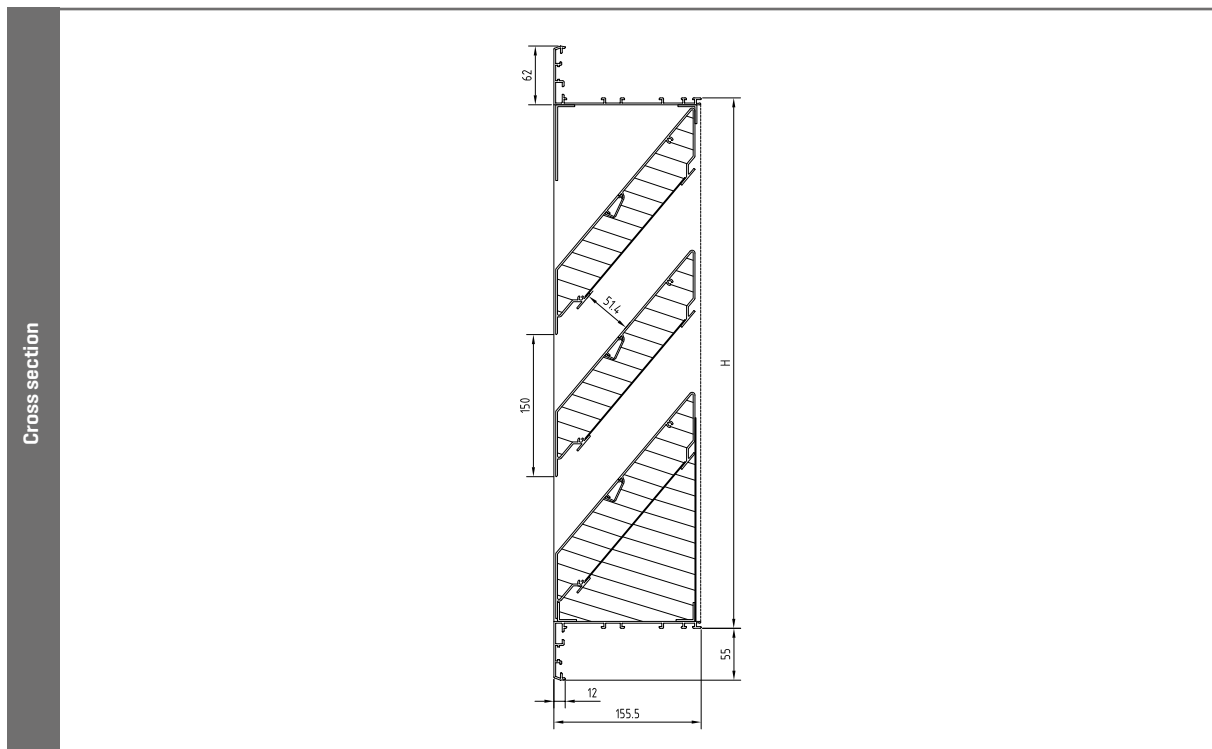


Section detail

## SOUND REDUCTION IN DB PER FREQUENCY

f in Hz	R in dB
63	13.8
125	6.9
250	3.6
500	6.4
1000	13.4
2000	13.8
4000	12.1

## TECHNICAL DRAWINGS



Cross section