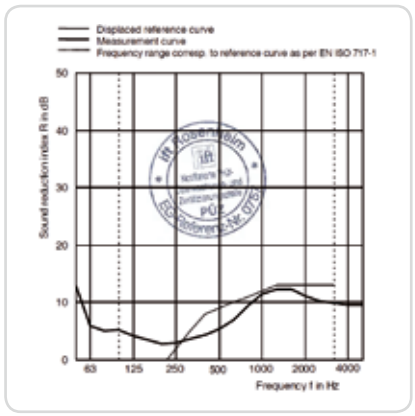

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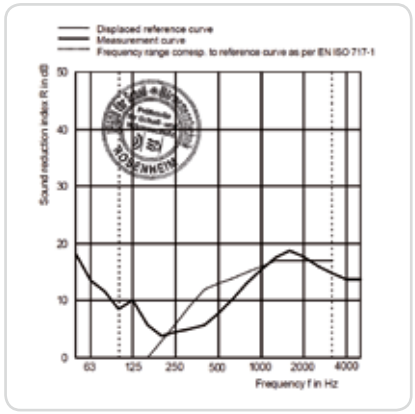


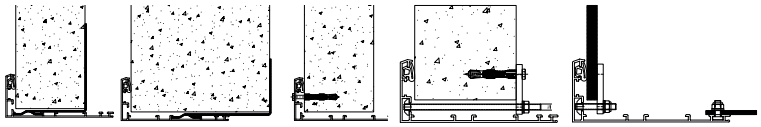
447/225

Acoustic wall louvre, blade pitch 170 mm

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/bronze colour (20 micron) or powder-coated in any RAL or Syntha Pulvin colour (40 micron)

Dimensions
- Blade pitch: 170 mm
- Depth to fit: 447/150: 143 mm
  447/225: 218 mm
- Frame thickness: 55mm
- Height in steps of 150 mm (space between blades)
- Minimum dimensions: 447/150: 300 W x 430 H
  447/225: 300 W x 520 H

- 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.

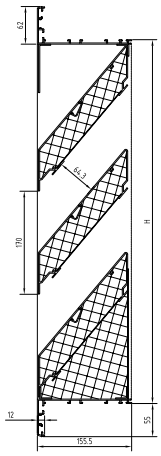


Sealing possibilities
- Sealing gasket: suitable for reduction of contact sounds (option sealing gasket)
- PU sealing tape: against water infiltration (option PU sealing tape)
- Silicone seal: seal the flange on the outside with silicone. (option silicone)

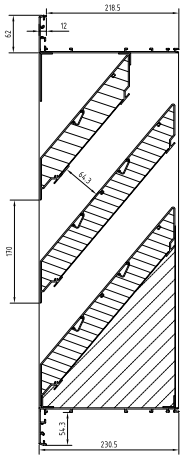
Options
- Drainage profile

The acoustic properties of the RENSON®-blades have been tested by the internationally recognized laboratory, IFT Lab Rosenheim (Germany)

Cross-sections



447/150



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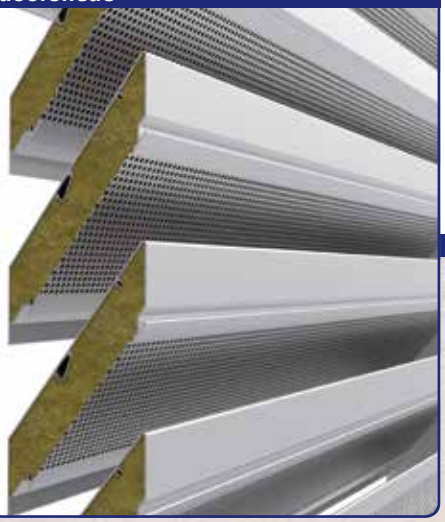
Detaildoorsnede



Technical specifications

	447/150	447/225
Airflow	(EN 13030)	
K-factor (supply)	25,46	28,58
K-factor (discharge)	25,15	30,88
C_e coefficient	0,198	0,187
C_d coefficient	0,200	0,180
Comfort	(EN ISO 140-10, EN ISO 717-1)	
Sound reduction in open position R_w ($C;C_{tr}$)	9 (0;-1) dB	13 (-1;-3) dB
Technical data		
Visual free area	59 %	59 %
Physical free area	37 %	37 %
Depth to fit	150 mm	225 mm

Sound reduction in dB per frequency

	447/150	447/225
f in Hz	R in dB	R in dB
63	5,9	13,6
125	4,2	10,1
250	2,9	4,6
500	5,4	7,8
1000	11,5	15,4
2000	11,2	17,8
4000	9,6	13,7