449/150

Aluminium noise-reducing built-in louvre, Rw 10 dB



Material properties	Standard version	
Material	Aluminium–Mineral wool	
Standard mesh type	Stainless steel 304 - 6 × 6 mm	
Surface treatment	Anodisation (20 microns), chemically etched F1-E6 natural colour	Polyester powder coating (60-80 micron) Seaside quality A & Standard powders
Wall bracket type	no. 1428 (included)	
Dimensions		
Blade pitch	170 mm	
Recess depth	143 mm	
Flange	55 mm	
Minimum dimensions (W x H)	200 × 430 mm	
Maximum width	2000 mm	
Maximum height	4000 mm	
Maximum louvre surface area	2.9 m^2	
Preferred height	430 mm + (n x 170)	

Our louvres come in a variety of dimensions, all of which can be used across most applications. When using large sizes in high-stress environments, such as at great heights, it is advisable to additionally verify the stability of the louvres and their mounting.

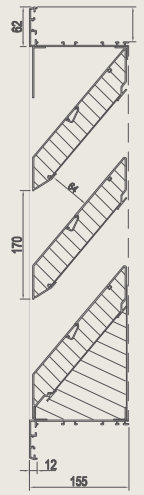
Performance		
Airflow rate		
Physical free area		37%
Visual free area		69%
Air supply	Resistance factor K	14.6
	Flow coefficient C	0.262
	Airflow rating	4
Air extraction	Resistance factor K	19.1
	Flow coefficient C	0.200
	Airflow rating	4

Water resistance %

at (m/s)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5
Without water channel	C	D	D	D	D	D	D	D
	88.0	78.5	71.1	62.4	53.6	40.4	29.9	18.2

Noise reduction dB	
R_w ($C;C_{tr}$)	10 (0 ; -1)
f in Hz	R in dB
63	6.8
125	5.3
250	5.6
500	6.4
1000	10.8
2000	12.3
4000	11.1

Section drawing



Available options

- **Mounting method:** Screw holes in flange frame
- **Custom flange:** Full surround or partial, with or without shortened flange
- **Closable:** With sliding vent
- **Operation:** Slider / Rotary knob / Cord / Rod / Linear actuator (230V or 24V)
- **Thermally insulated:** Sandwich panel on back, with or without opening for air duct connection
- **Finish:** Anodised: layer thickness 25 microns / other colours / other textures (E1-E10)
  Powder coating: pre-treatment in accordance with Seaside OX (pre-anodisation) / non-standard powders
- **Other mesh types:** Mesh sizes 2.3 mm x 2.3 mm, 6 mm x 6 mm, 10 mm x 10 mm or 20 mm x 20 mm / Stainless steel grade AISI304 or AISI316 / No mesh
- **Water channel / Removable mesh / Filter / Drainage blade / Joining**