



# EJA

Sound Attenuating Louvre

## Description

The EJA type louvres are designed for decreasing sound transfer from inside to outside.

## Properties

The EJA type louvres are made from steel sheets. They have insulation material within their blades, which decrease the noise while passing through the louvre. With a galvanized steel wire mesh fixed inside, large flying particles and animals are prevented from entering inside.

## Materials

The frame and the blades are made from 1.2mm thick steel sheets. The blades are double-layered, the internal one being perforated, and glasswool of 50 kg/m<sup>3</sup> density put between the blade layers.

## Surface Treatment

After cleaning, the product is phosphated and then painted with electrostatic powder paint to 20% gloss RAL 9010 (white) with a minimum thickness of 60µ. Other colours are available upon request.

## Accessories

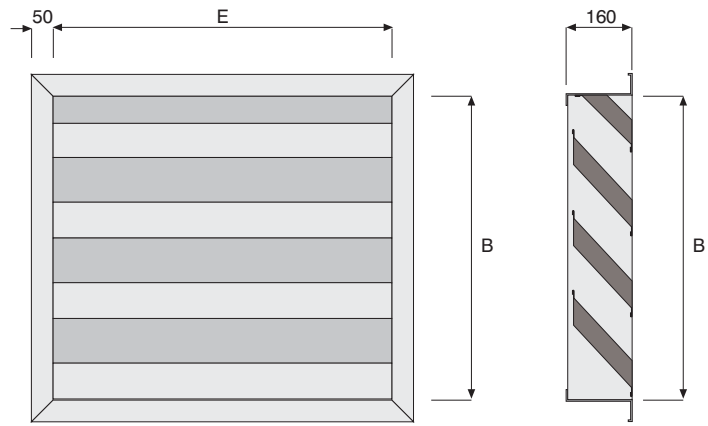
### Wire Mesh

A mesh of wires with 12x12mm grids, it prevents the entry of large flying particles and animals.

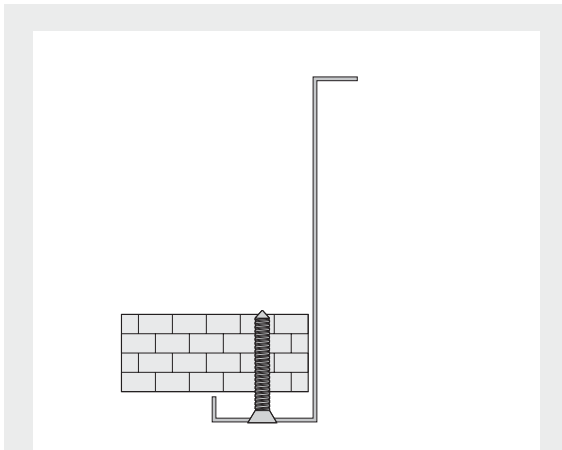
## Dimensions

### Standard Dimensions

E (mm)	B (mm)	No. of Blades
400	375	2
600	594	3
800	813	4
1000	1032	5
1200	1251	6
1400	1470	7
1600	1689	8
1800	1908	9
2000		



## Installation



A set of Ø4 x 38 mm self-drilling screws, painted the same colour, are given with the product.

## Technical Data

### Sound attenuation values

Frequency (Hz)	125	250	500	1000	2000	4000
Attenuation dB (A)	9	4	5	8	11	11

### Pressure Loss

V <sub>eff.</sub> (m/s)	Pressure loss (Pa)	
	Air inside to outside	Air outside to inside
1,00	13	8
1,50	26	16
2,00	44	29
2,50	65	44
3,00	91	64
3,50	117	82
4,00	152	108
5,00	230	170
6,00	320	240

$$v_{\text{eff.}} = \frac{V}{3600 \times (E \times (B - 0.16 - (0.055 \times n)))} \text{ m/s}$$

E : Dimension (m)

B : Dimension (m)

v<sub>eff.</sub> : Air velocity (m/s)

V : Air flow rate (m<sup>3</sup>/h)

n : No. of blades

## Specification Text

Sound attenuation louvre to decrease the noise coming out. The louvre will be made from 1.2 mm thick steel sheets. The louvre will be cleaned and phosphated, and painted with electrostatic powder paint to the requested colour with a minimum thickness of 60µ. The blades will be double layered. The inner layer will be from perforated steel sheet. There will be a glasswool layer of 50 kg/m<sup>3</sup> density between the blade layers. As an option, a steel wire mesh with 12x12 mm

grids will be placed behind the frame to prevent large flying objects and animals to pass through the blades.

## Order Code

Model	EJA.50.AA.10-400 x 375-9010		
Frame	50 mm	E x B (mm) Refer to page 2	Indicate RAL Colour Code
Accessories	AA..Without Accessories AT ..With wire mesh		
Installation	00...Without screw holes 10...With screw	Standard Dimensions	Colour Code

**E**

**EJA**

**Sound Attenuating  
Louvre**

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