Sound attenuating louvre JAR

Description

JAR steel sound attenuating louvres are designed to prevent ingress of external noise through a supply or exhaust opening into the building interior and also prevent the propagation of noise in the opposite direction. In addition to this noise attenuation function the louvres provide all the usual functions of conventional steel and aluminium louvres – i.e. protection against ingress of rain, birds, large insects etc.

Recommended max. effective air velocity is up to 5m/s.

The sound attenuating louvre consist of a supporting frame with horizontal blades. Blades are made of sandwich sections with sound attenuating filling. The frame and blades are made of galvanised sheet steel. A mesh screen of galvanised steel is attached to the back of the acoustic louvre.

Acoustic louvres can be powder painted in any RAL colour to suit customer's needs.

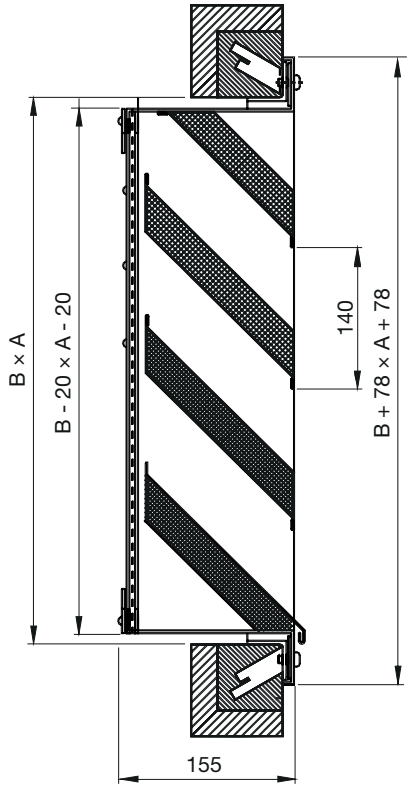
Ordering key

JAR / 3 / AxB

1 2 3

1	Attenuating louvre
2	Installation
3	Size

Dimensions



Within the maximum range of widths A and heights B listed in the table all intermediate combinations of widths and heights are available.

Free sectional area A_{ef} (m^2) calculation

A_{ef} (m^2) = (A-60) x (B-115) x 0,425 / 1000000

A	420	620	820	1020	1220
B	395	535	675	815	955
Number of blades	2	3	4	5	6
Free sectional area A_{ef} (m^2)	0,06822	0,132	0,22	0,3325	0,468

A	1420	1620	1820	2020
B	1095	1235	1375	1515
Number of blades	7	8	9	10
Free sectional area A_{ef} (m^2)	0,627	0,811	1,0177	1,248

For special materials and sizes requirements please contact sales.

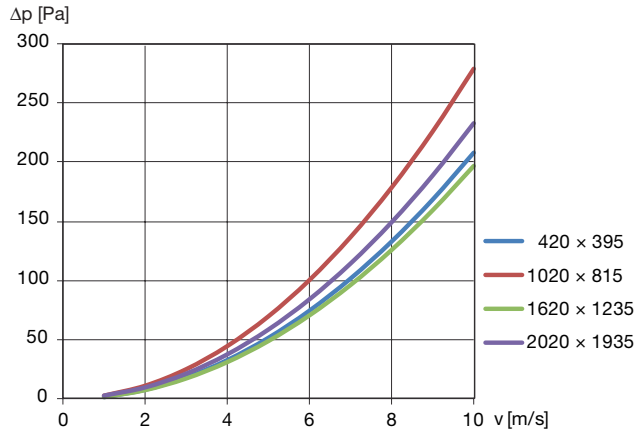
Technical data

Insertion loss

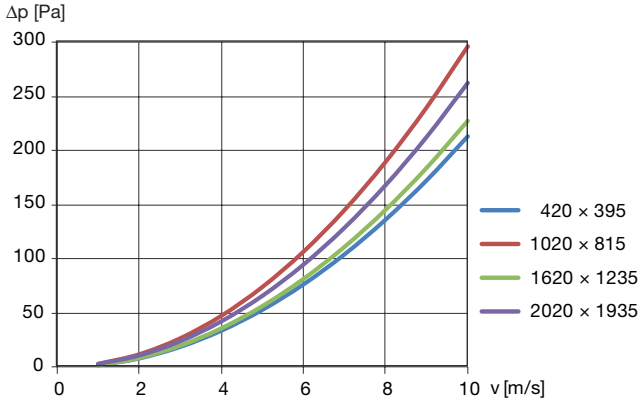
Insertion loss [dB] for centre frequency [Hz]							
63	**125**	**250**	**500**	**1K**	**2K**	**4K**	**8K**
2	2	5	7	8	14	14	12

Tested according to ISO 7235 standard.

Pressure drop
Exhaust air



Supply air

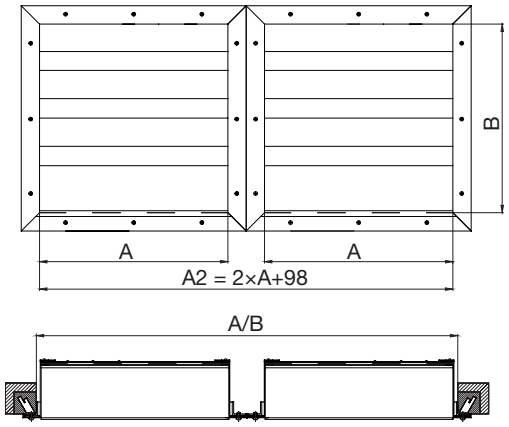


Technical data

JAR Louvres can be combined to suit larger openings:

1. Combining multiple units in width:

Max. width A2 = 4098 mm
Max. height B = 1915 mm



2. Combining multiple units in height:

Max. width A = 2000 mm
Max. height B = 4088 mm