BRYA

Outer wall louvre

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www.bevent-rasch.com
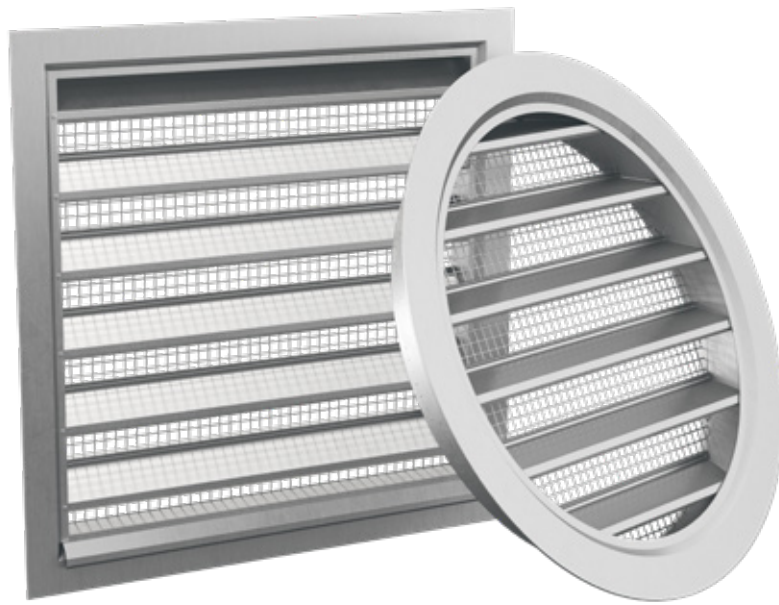
BEVENT RASCH

Outer wall louvre BRYA

Quick facts

- Sizes from 200-200 mm to 2000-2000 mm resp. Ø250 mm to 2000 mm or special
- Can be made larger in a split version
- Made of aluminum
- Also available in powder coated or anodized version
- Delivered with a rodent proof wire mesh
- Available in MagiCAD

Use

BRYA is an aluminum louvre with attractive appearance intended for intake air and exhaust air. The louvre is available in two versions, BRYA-1 (rectangular) and BRYA-2 (circular). BRYA consists of a mounting frame with cover flange and droplet separation. Delivered with a rodent proof wire mesh on the inside. Rectangular grilles with one side larger than 2000 mm are delivered in a split version. Framework to mount between the louvre sections can be supplied as an accessory.

Water separation

BRYA is tested according to the standard EN 13030:2001. When dimensioning the intake air, a maximum of 2 m/s across the connection area is recommended.

Material, surface finish

BRYA is manufactured in extruded aluminium profiles (C4) with 1,5 mm material thickness. It can also be supplied in an anodized version or in a painted finish (C4) in any colour, see www.bevent-rasch.com. The mesh is galvanized.

Specification

Example:
Louvre   **BRYA - 1 - 600 - 400 - 1 - 0**

Version:
Rectangular   = 1
Circular   = 2

Size:
Width x Height or Diameter in mm

Surface finish:
Aluminium, unfinished   = 1
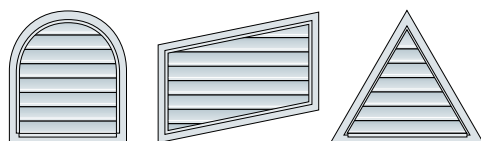Natural anodized aluminium = 2
Surface finish, painted   = 4

Without mounting frame   = 0
With mounting frame   = 1
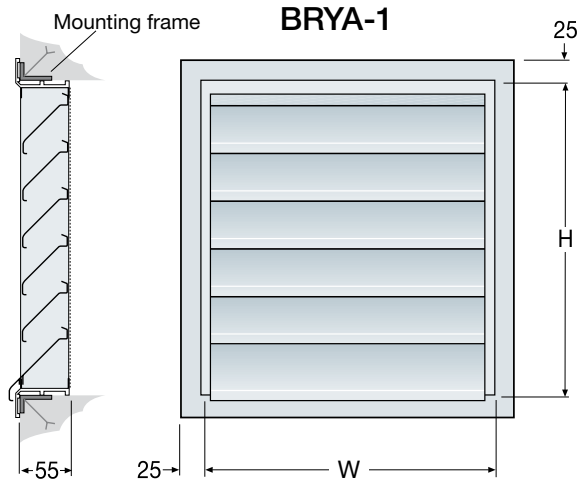*(applies only for BRYA-1)*

Special

BRYA can also be manufactured in various different shapes, contact Bevent Rasch.

Dimensions

Mounting frame

BRYA-1

25

H

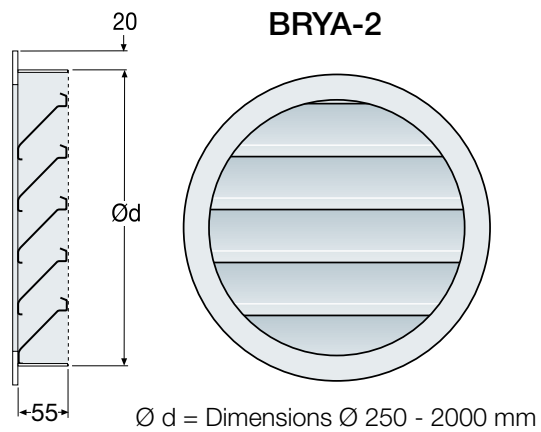55   25   W

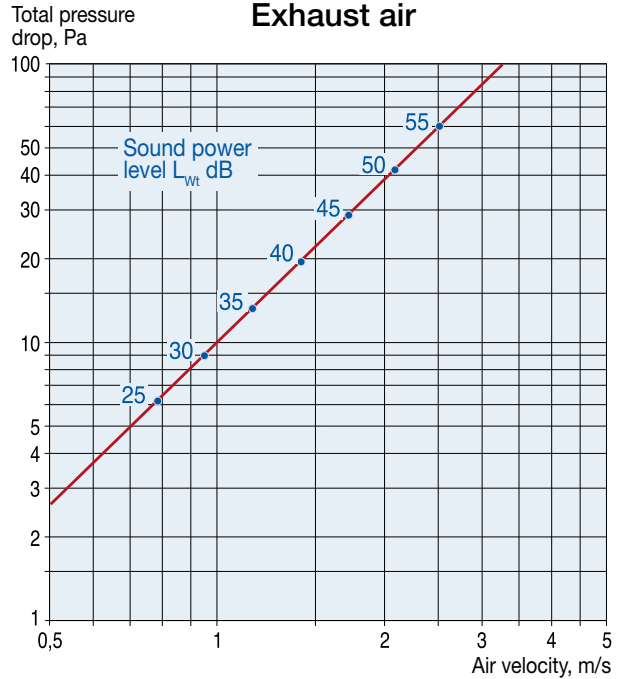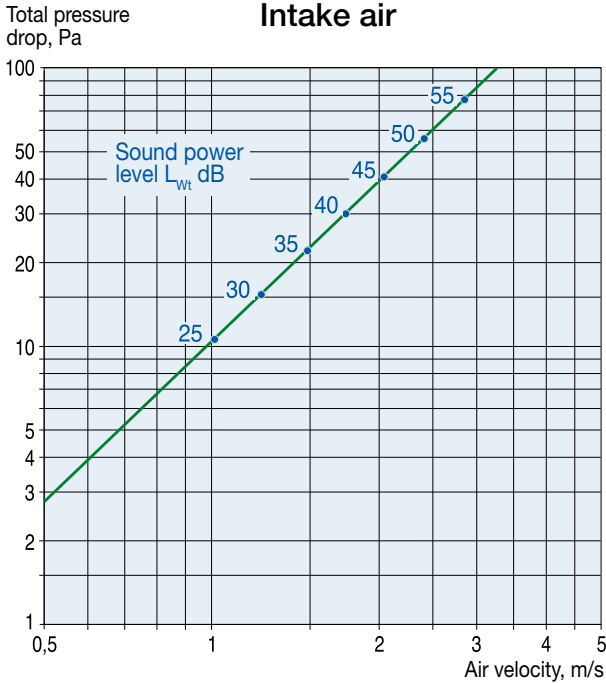| W or H |
|---|
| 200 - 250 - 300 - 400 - 500 - 600 - 700 - 800 - 900 - 1000 - 1100 |
| 1200 - 1300 - 1400 1500 - 1600 - 1700 - 1800 - 1900 - 2000 |

Weight (-1 & -2): 10 kg/m^2

W x H or Ø d = Cut-out dimensions

Louvres with any side larger than 2000 mm are delivered in split version.
A framework between louvre parts can be supplied as an accessory.

20   **BRYA-2**

Ød

55

Ø d = Dimensions Ø 250 - 2000 mm

Size chart

The air velocity is calculated on the connection area (gross area).
The louvre's free area is 66% of the connection area.

Intake air

Total pressure drop, Pa vs Air velocity, m/s

Sound power level L_{Wt} dB

Data points: 25, 30, 35, 40, 45, 50, 55

Exhaust air

Total pressure drop, Pa vs Air velocity, m/s

Sound power level L_{Wt} dB

Data points: 25, 30, 35, 40, 45, 50, 55

Sound data

Correction of sound power level, L_W, for different sizes

$$L_W = L_{Wt} + K_1$$

Grille area, m²	0,12	0,25	0,5	1,0	2,0	3,0	4,0
K_1	-3	0	3	6	9	10,5	12

Correction of sound power level, L_{Wok}, in octave band

$$L_{Wok} = L_W + K_{ok}$$

Centre frequency Hz	125	250	500	1000	2000	4000	8000
K_{ok}	1	0	-5	-5	-10	-17	-22

Reductions in noise level depend on the distance from BRYA and the connection area.

Reduction dB(A) vs Distance, m

Curves: 0,25 m², 1,0 m², 4,0 m²