BRSF

Exhaust Air Cowl

COWLS

23/02/2022

BEVENT RASCH

AIR SOLUTIONS – FOR A BETTER TOMORROW

www.bevent-rasch.com

Exhaust Air Cowl BRSF

Design also available as Intake Air Cowl BRSI.

Quick facts

- Sizes from 200 mm to 2000 mm
- Design equal to Combination Cowl BRSK and Intake Air Cowl BRSI
- Internal water deflector
- Suits Roof inlet BRTG
- Galvanized sheet steel as standard
- Available in powder coated finish corrosivity class C4
- The cowl can be customized
- Available in MagiCAD

Use

BRSF is a exhaust air cowl for use in comfort and industrial installations. It has a design that resembles a traditional chimney. The cowl design enables the exhaust air to attain increased speed straight up.
BRSF features an internal water separator that prevents the entry of water when the exhaust fan is not in operation. BRSF can be fitted with Roof inlet BRTG for going through the roof. Brace loops can be supplied as accessory.

Material, surface treatment

The cowl is manufactured as standard in galvanized sheet steel and can also be supplied in a painted finish (C4) in any colour, see www.bevent-rasch.com. The hood can also be manufactured in Magnelis or in stainless steel EN 1.4404 (AISI 316L).

Special

The cowl can be supplied in many different special designs in terms of size, material selection, etc.
Contact Bevent Rasch.

Specification

Example:
Exhaust Air Cowl **BRSF - 300 - 1 - 0**

Size, see table

Material:
Galvanized sheet steel = 1
Stainless AISI 316L – EN 1.4404 = 3
Magnelis = 5

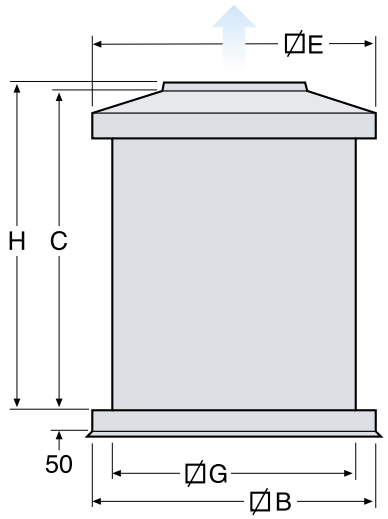
Surface treatment:
Unfinished = 0
Powder coated = 1*

** Colour code should be stated in plain text, see www.bevent-rasch.com*

Accessories:
Roof inlet BRTG

BORÅS +46 (0)33 - 23 67 80 **STOCKHOLM** +46 (0)8 - 54 55 12 70

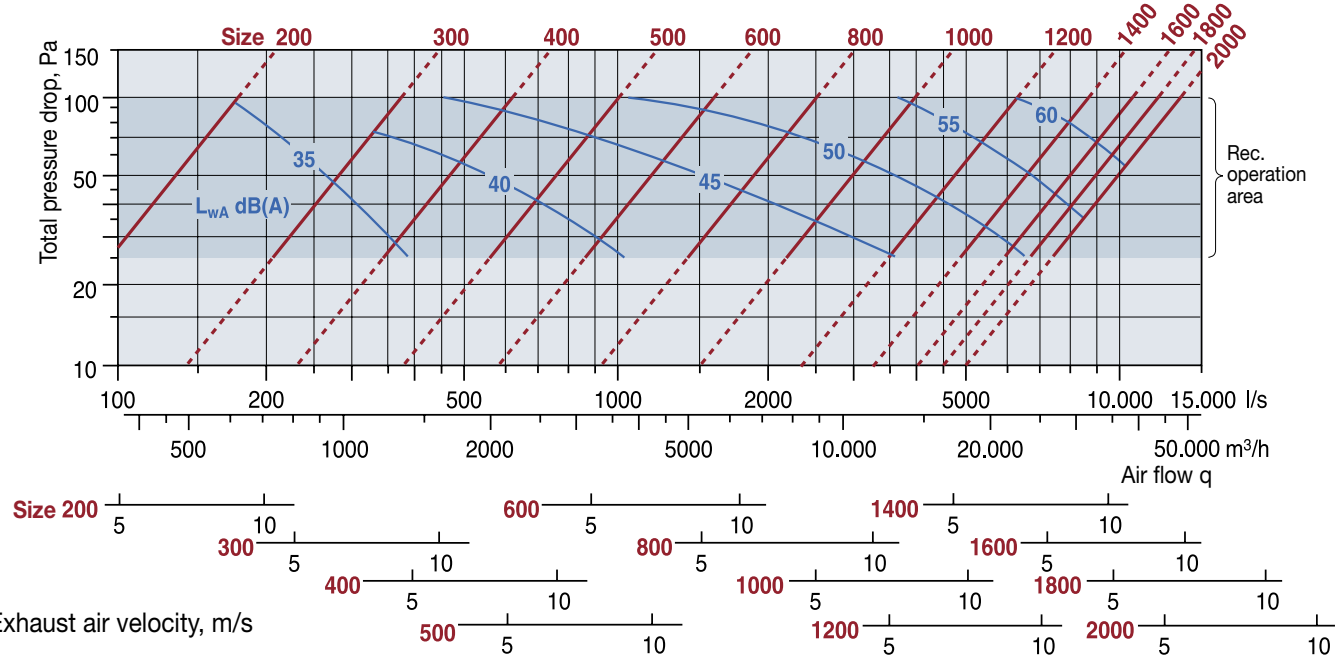
Dimensions



Size	B	C	E	G	H	Suits BRTG	Weight kg
200	400	600	400	300	600	3	12
300	500	650	500	400	650	4	18
400	600	700	600	500	700	5	24
500	700	800	700	600	800	6	33
600	800	900	800	700	900	7	46
800	1000	1000	1000	900	1000	9	74
1000	1200	1050	1200	1100	1160	11	95
1200	1400	1100	1400	1300	1330	13	117
1400	1600	1200	1600	1500	1530	15	148
1600	1800	1300	1800	1700	1620	17	181
1800	2000	1400	2000	1900	1790	19	218
2000	2200	1500	2200	2100	1900	21	260

NOTE! The exhaust air cone on large cowls may look different than according to the dimensional sketch, see difference between C and H dimensions in the table.

Selection chart



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

$L_{wok} = L_{wA} + K_{ok}$

Octave band	125	250	500	1000	2000	4000	8000
K_{ok}	2	0	-3	-9	-14	-16	-24

Reductions in sound power level as dependent on distances from the roof cowl, calculated at fully spherical propagation.

Distance, m	25	50	75	100	150
Reduction, dB(A)	-39	-45	-48	-51	-55

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