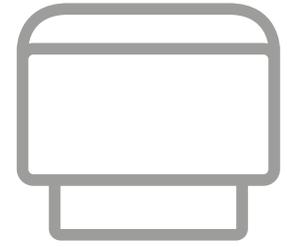


BRDJ

Exhaust Air Cowl



COWLS



08/12/2023



Exhaust Air Cowl BRDJ



Quick facts

- Sizes from Ø100 mm to Ø1250 mm
- Internal water deflector
- Sizes 100-315 is provided with a socket connection, Sizes 400-1250 is provided with a flange connection
- Suits Roof inlet BRTG or BRTL (with transition unit BRÖG)
- Galvanized sheet steel as standard
- Available in powder coated finish corrosivity class C4
- Available in MagiCAD

Use

BRDJ is a circular exhaust air cowl for use in comfort and industrial installations. The cowl design reduces the risk of particles falling back to ground level. BRDJ features an internal water separator that prevents the entry of water when the exhaust fan is not in operation.

The bottom of the hood is provided with a socket connection up to size 315, flange for sizes 400 and up.

Brace loops are standard from sizes 800 and up. These can also be supplied as accessory for smaller sizes.

BRDJ can be fitted with Roof inlet BRTG or BRTL for going through the roof.

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 Aluzinc AZ185 or in stainless steel EN 1.4404 (AISI 316L).

Specification

Example:

Exhaust Air Cowl **BRDJ - 400 - 1 - 0**

Size, mm
see table

Material:

Galvanized sheet steel	= 1
Stainless AISI 316L – EN 1.4404	= 3
Aluzinc AZ185	= 4

Surface treatment:

Unfinished	= 0
Powder coated	= 1*

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

Accessories:

Roof inlet BRTG

Roof inlet BRTL (sizes 100-200)

Counter flange BRFL

Special

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

Contact Bevent Rasch.

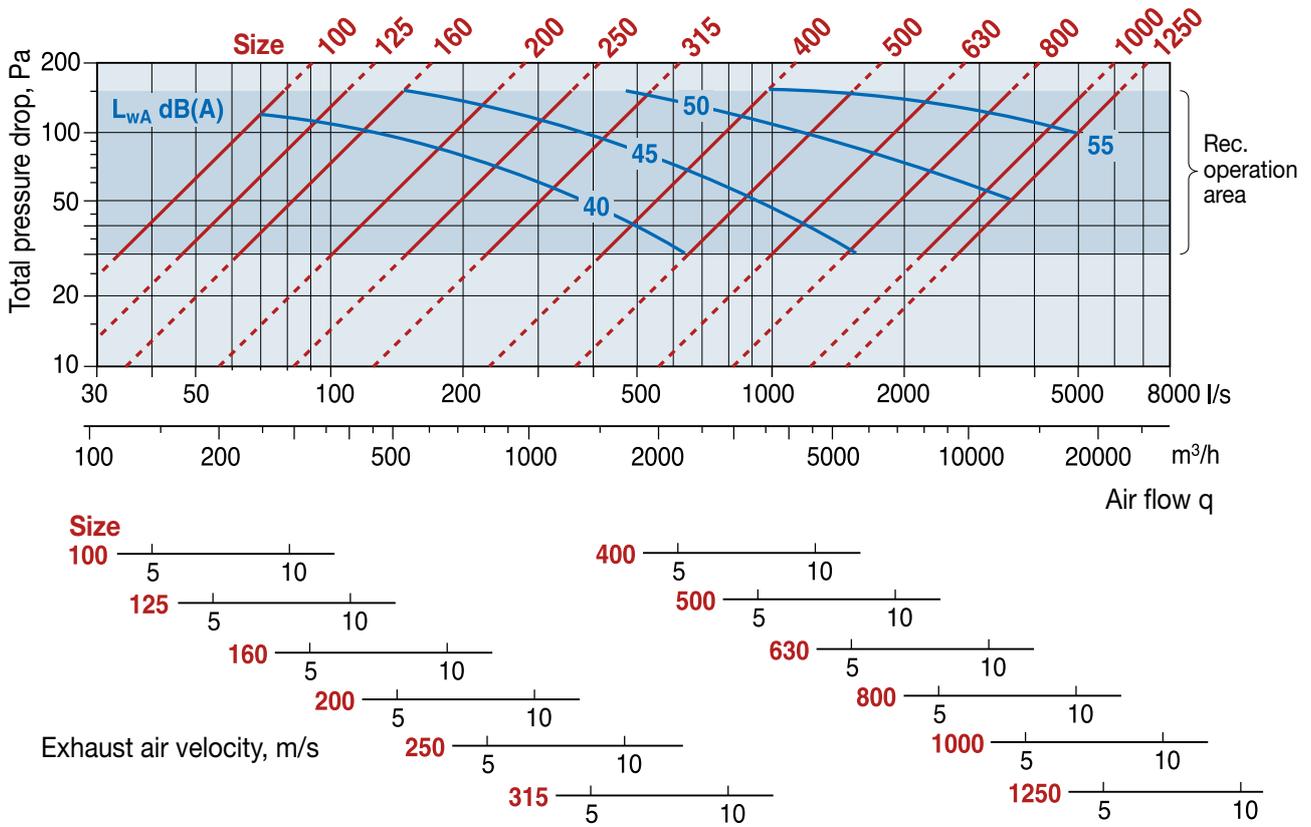


Dimensions

Size øA øD	øE	C	Suits BRTG		Weight kg
			EI30	EI60	
100	160	200	3	-	0,8
125	200	250	3	-	1
160	250	320	3	4	1,9
200	310	400	3	4	2,5
250	400	500	4	5, 6	4
315	500	630	4, 5	6	6
400	630	800	6	7	15
500	800	1000	7, 8	8	21
630	1000	1260	9	10	38
800	1250	1600	10	11	57
1000	1550	1800	12	13	75
1250	1950	1800	14	16	92

*) Suits BRTG with transition unit, with insulation:
50 mm equivalent to EI30
100 mm equivalent to EI60

Selection chart



Correction of the sound power level, $L_{w_{ok}}$ in octave band

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

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
Reducing, dB(A)	-39	-45	-48	-51	-55