

BRTA

Single blade damper



DAMPERS &
MEASURING DAMPERS



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www.bevent-rasch.com



BEVENT RASCH

AIR SOLUTIONS – FOR A BETTER TOMORROW



Quick facts

- Pressure class A < 1000Pa
- Air tightness classes 1-3
- Sizes Ø100-Ø630
- Galvanized sheet steel version only
- Spiro connection only
- Service temperature max 70°C
- Prepared for external insulation with max. thickness 50 mm
- Complete with bracket intended for actuator or with fitted lever control or actuator

Use

Regulation, adjustment or closing of air flows in air conditioning plants where the requirement of differential pressure over closed damper does not exceed 1000 Pa.

Sizes

100 – 630 mm, as per Swedish Standard SS 2609.

Air tightness classes

According to AMA VVS & Kyl 12.

Class 1

Class 2

Class 3

Service pressure

Max. 1000 Pa in differential pressure over closed damper.

Service temperature

Max. 70° C.

Design

Single blade damper with spiro connection complete with bracket intended for actuator or with fitted lever control or actuator.

The damper is delivered prepared for external insulation with max. thickness 50 mm.

Material and surface treatment

Housing and parts in galvanised sheet steel as per environment class M2 in AMA VVS & Kyl 12.

Nylon ball bearing and cellular plastic seals.

Spiro seal in EPDM rubber.

Accessories

Factory installed actuator

Lever/wheelcontrol

BRGA



Specification

Example: **Single blade damper, Pressure class A**
BRTA - 1 - 250 - 1

Air tightness class
 (according to AMA 98)

Class 1 = 1
 Class 2 = 2
 Class 3 = 3

Size

Nominal diameter, 100 – 630 mm

Operation

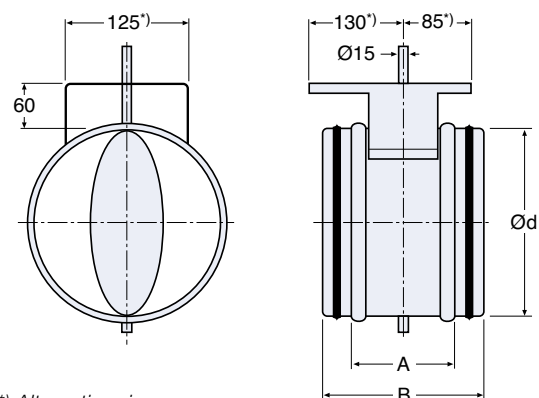
Bracket for actuator = 1
 Fitted lever/wheel control = 2
 Fitted actuator = 3

(the actuator is specified separately)

Technical data

See pages 4-5 for dimensioning diagram.

Size and weight



*) Alternative sizes
 can be delivered

Size Ø d	A	B	Weight kg
100	145	231	1,1
125	138	223	1,2
160	138	223	1,5
200	138	223	1,7
250	138	223	2,0
315	138	223	2,6
400	218	310	4,5
500	218	310	6,0
630	218	310	7,0

d = Swedish Standard SS 2609

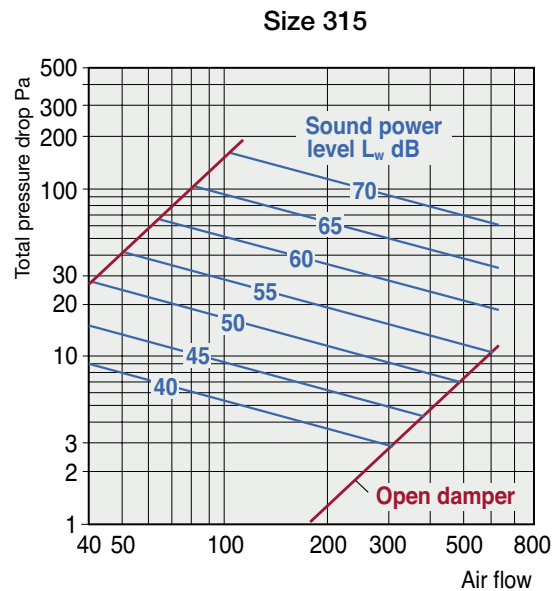
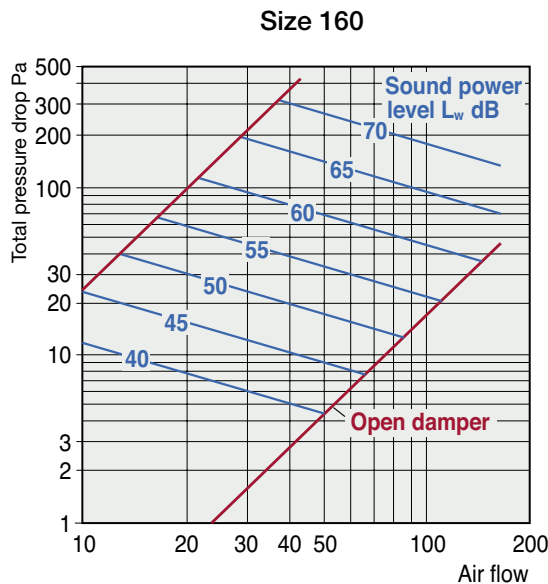
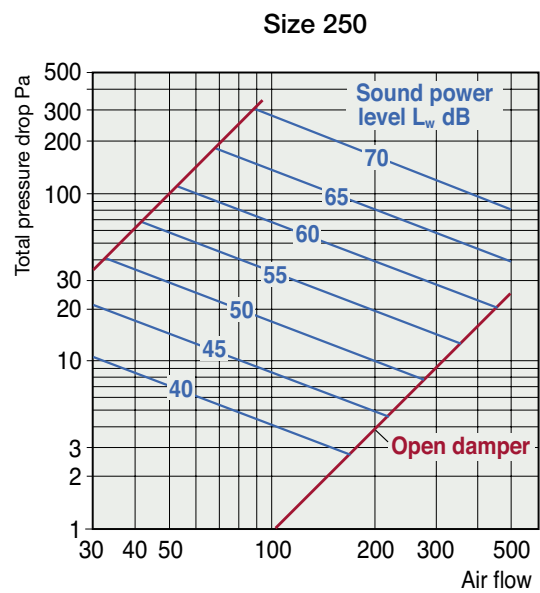
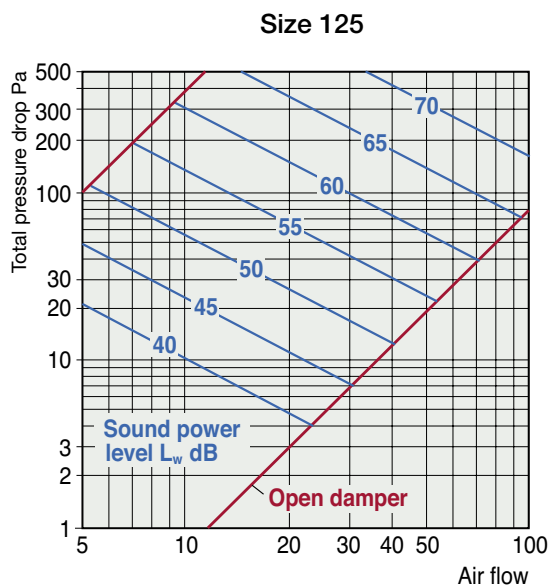
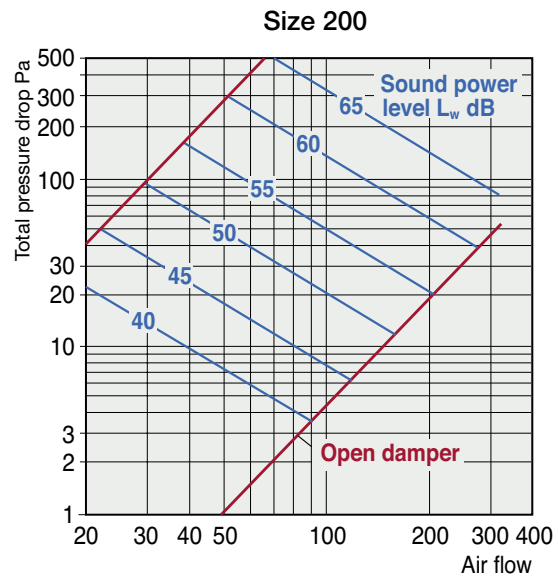
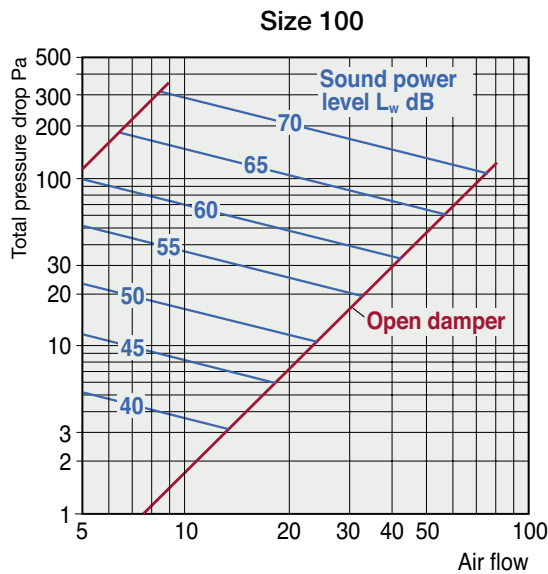
Torque in Nm for control spindle

Size Ø d	Air tightness class		
	1	2	3
100	2	2	2
125	2	2	2
160	2	2	2
200	3	3	3
250	3	3	3
315	3	3	3
400	5	5	5
500	7	7	7
630	12	12	12

The values assume that consideration has been taken to the points reported under **Torque**, see General information about dampers at www.bevent-rasch.com



Dimensioning diagram





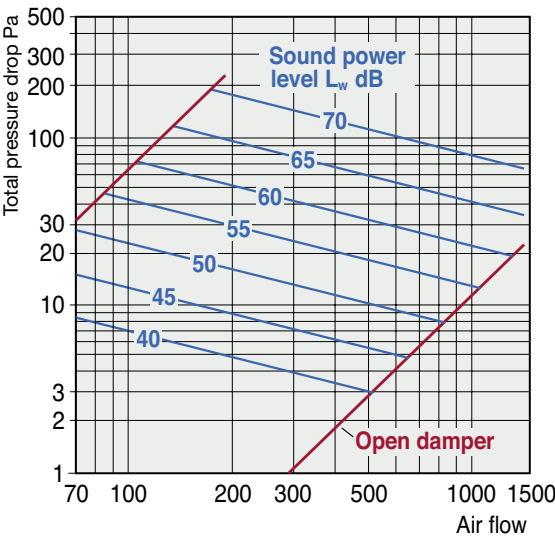
Sound data

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

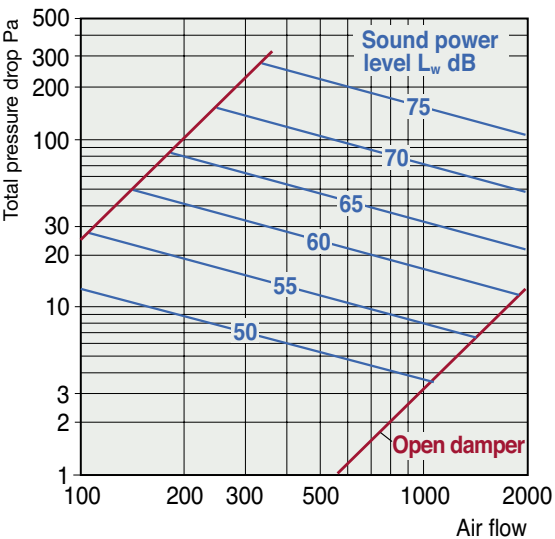
$$L_{Wok} = L_w + K_{ok}$$

Dim Ø mm	Centre frequency Hz							
	63	125	250	500	1000	2000	4000	8000
100	-5	-5	-8	-13	-21	-29	-35	-39
125	-6	-6	-7	-15	-19	-26	-35	-27
160	-5	-5	-8	-14	-17	-24	-32	-28
200	-5	-6	-8	-15	-21	-24	-25	-30
250	-4	-7	-9	-14	-20	-21	-23	-23
315	-4	-7	-11	-15	-20	-22	-25	-22
400	-5	-7	-11	-16	-20	-23	-23	-24
500	-3	-9	-14	-18	-19	-22	-29	-25
630	-3	-10	-16	-20	-21	-20	-20	-23
Tol. ± dB	2	2	2	2	2	2	2	2

Size 400



Size 500



Size 630

