

Instructions for the BASIC BCSA Damper, Sizes 080–120

1. General

The BCSA Air intake damper has counter-rotating, torsionally rigid damper blades made of aluminium-zinc-plated, double-skin sheet steel, to environment class M3. The damper blades are journalled in nylon bearings and are available with or without insulation. The damper conforms to the provisions of tightness class 3 to Swedish Standard VVS-AMA 98 (equivalent to a type 4 damper to VVS-AMA 83).

The damper is available in two variants: mounted in a casing including a set of slip clamps for connection to ducting and mounted in a casing for installation between functional sections and combined with other sections in both directions inside a block.

1.1 Specification

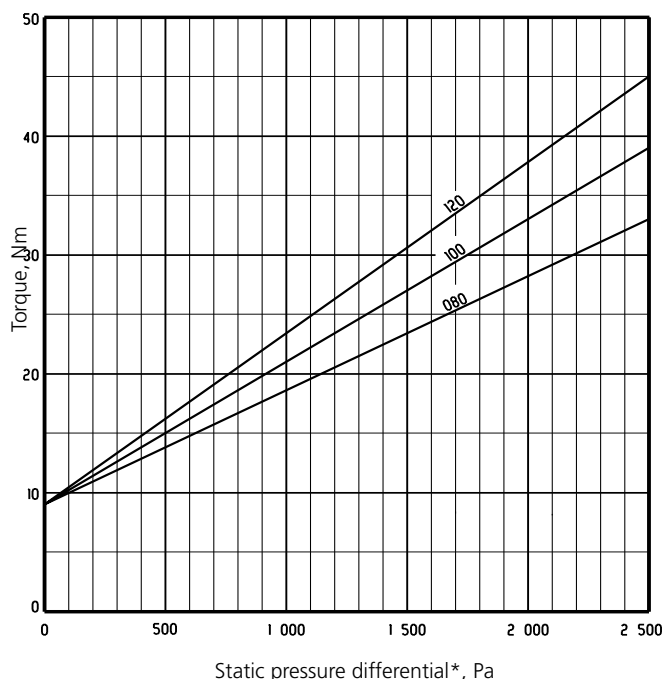
The version, size, etc. are specified in the delivery documents.

2. Installation

The BCSA damper must be installed with the damper shafts horizontal.

3. Technical data

3.1 Torque



*Pressure differential across closed damper(s).

The dampers of the size 080–120 units have two dampers. Two damper actuators are required for these sizes. The torque has been calculated for one damper.



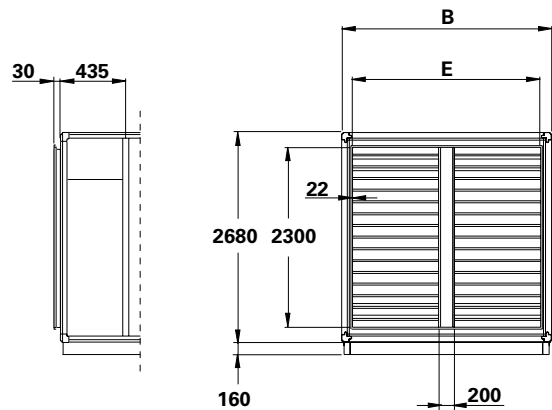
BCSA, mounted in a casing incl. set of slip clamps



BCSA, mounted in a casing for installation between functional sections

3.2 Dimensions

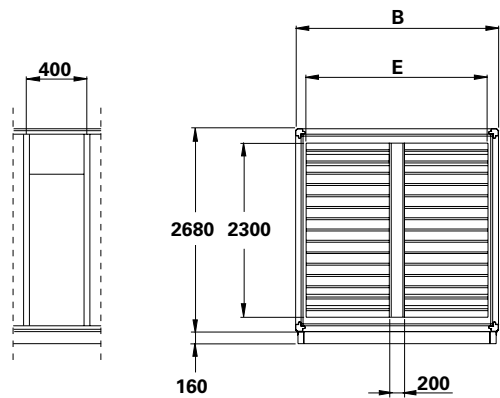
3.2.1 BCSA, mounted in a casing including a set of slip clamps



BCSA	B	E	Wgt.
080	2680	2400	399
100	3390	3000	462
120	3940	3500	527

Base beams: Standard

3.2.2 BCSA, mounted in a casing for installation between functional sections



BCSA	B	E	Wgt.
080	2680	2400	297
100	3390	3000	337
120	3940	3500	381

Base beams: Standard