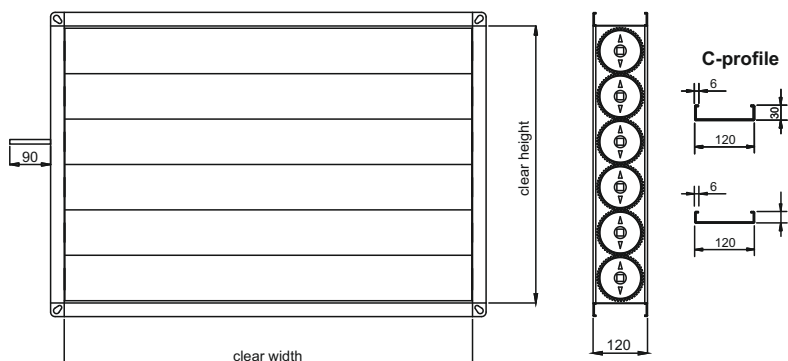


Damper JK-A-03 LK airtight in acc. with EN 1751 class 4



Multi-blade damper for air pressure and volume balancing and control in HVAC systems.

Description:

Blades:	Opposed-action airfoil blades made from aluminium profile with rubber edge seal; blade spacing 100 mm
Bearing:	Plastic-bearing
Drive mechanism:	Coupled in mid position, made from galvanised steel, 10 x 10 mm square, shaft extended 90 mm over frame, opening by turning counterclockwise. External gears made from special plastic, located at both ends of blade.
Frame:	Made from 1.25 mm profiled steel plate, depth 120 mm, flange 30 mm, C-profile with corner borehole
Jamb seal:	Between blades and frame, includes slide film and special foam plastic
Service temperature:	-20°C to +80°C
Airtightness:	Closed blade leakage in acc. with EN 1751 class 4, case leakage in acc. with EN 1751 class C

Variants:

- Flange 20 mm, C-profile with corner borehole, with height from 1397 mm (14 blades) are pre-assembled with additional linkage tie rod
- Powder-coating according to RAL-standard colour
- Gear cover single-sided or double-sided

Installation and Maintenance Instructions

1. Installation

- Pay attention to a tension-free and rectangular installation.
- Check the damper before installation and after tightening the flange screws to ensure that the blades open and close smoothly.
- The airtight damper must be installed with horizontal blade orientation, only.
- Note, that the damper is to be kept free of ice when in service.

2. Operation

- Operate the damper with the drive shaft, only.

3. Maintenance

- The damper is maintenance-free and does not need lubrication.
- Clean the damper dry depending on the degree of soiling.

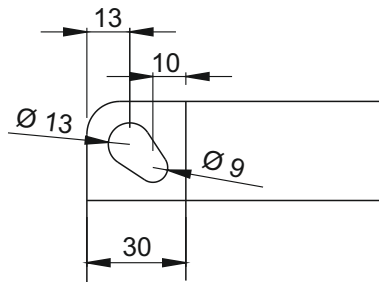
4. Accident hazard

- Keep hands out of the blades. Do not use blades for lifting of the damper.
- Risk of injury when touching gears, linkage and cut edges.

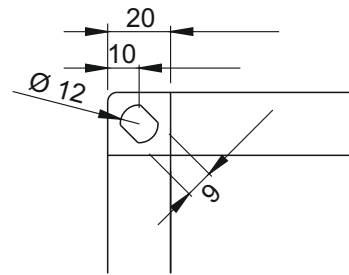
Damper JK-A-03 LK airtight in acc. with EN 1751 class 4

Technical Data

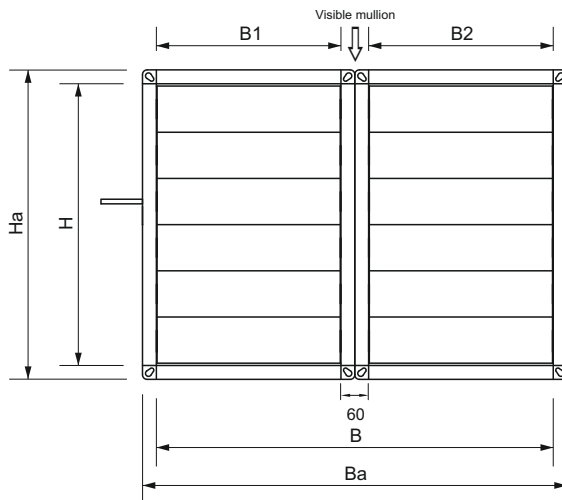
Corner hole layout
30 mm flange



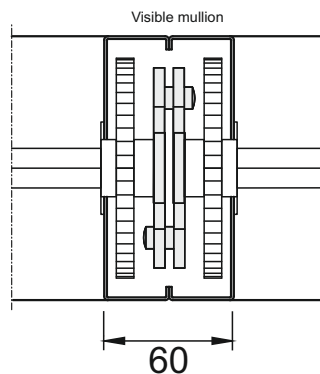
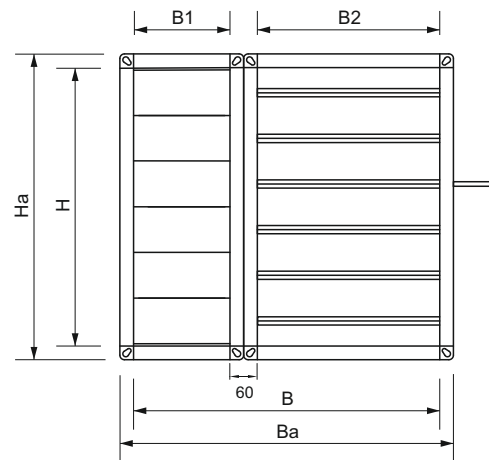
Corner hole layout
20 mm flange



Damper coupling for width extension



Bypass function

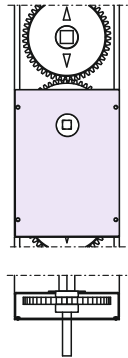


Damper JK-A-03 LK

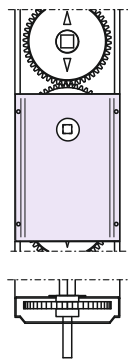
airtight in acc. with EN 1751 class 4

Technical Data

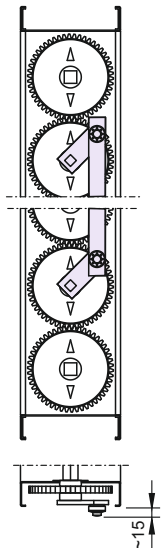
Motor mounting
flange 30 mm
straight motor plate



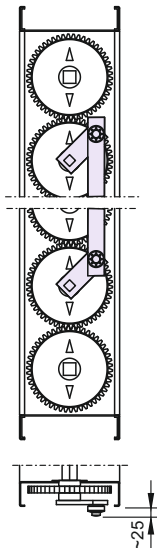
Motor mounting
flange 20 mm
cranked motor plate



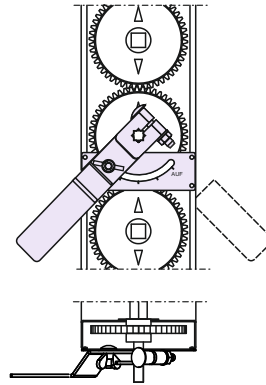
Linkage tie rod
from H 1397 mm
flange 30 mm



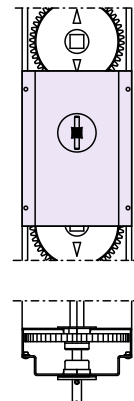
Linkage tie rod
from H 1397 mm
flange 20 mm



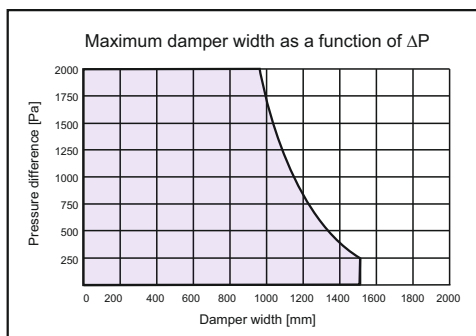
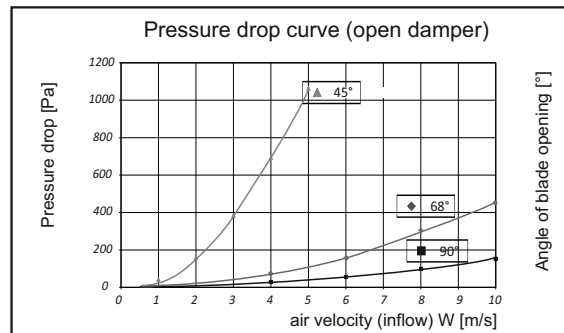
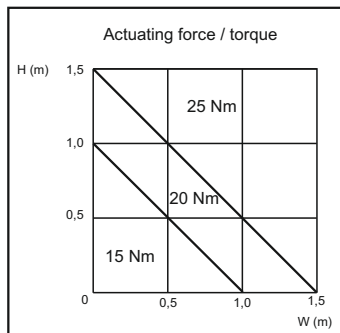
Manual adjustment lever
with locking device



Counter bearing for drive arm
for pneumatic actuator

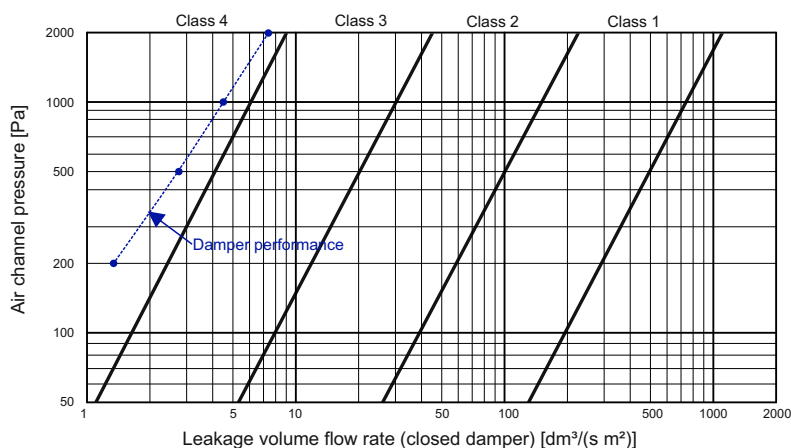


Damper JK-A-03 LK airtight in acc. with EN 1751 class 4



Damper sizes lying outside the gray-shaded zone have to be implemented as a combination of two smaller dampers.

Leakage performance test in acc. with DIN EN 1751
Robert Geiger Technische Bauteile GmbH, Ichenhausen
Type JK-A-03 LK



Tested dimensions: 600 mm x 610 mm
Testing approved by: TÜV NORD GmbH & Co KG, Germany

