

Backdraught damper

CAT



Description

Backdraught damper for rectangular ducts.
The blades open on overpressure and closes by gravity.

Mounting can be made only in vertical position.

Antifriction bearings made from nylon PA6.
Operating temperature: -40°C ~80°C.

Material

Frame / Blades - aluminium.
Bearings - nylon PA6.

Optional accessories

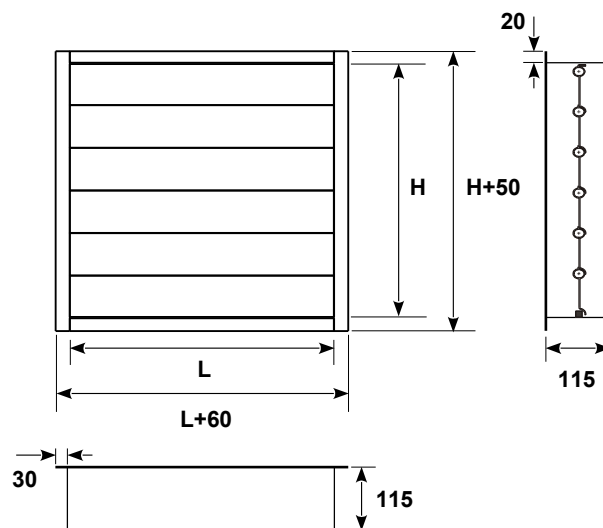
Simultaneous blade linkage system - **LK** (extra cost).

Order code: **CAT** **L x H** **+***

Product code _____
L (mm) - length L _____
H (mm) - height H _____

* optional accessories (extra cost)

Dimensions



Dimensions **L x H** are duct dimensions.
Volume damper internal dimensions: **L x (H+10)**

The backdraught damper is designed to be mounted on any flange profile.

Available dimensions

Can be ordered with dimensions between:
L= 100~3000 mm
H=100~2000 mm



standard

2m/s < V_{ef} < 5m/s



+ LK*

5m/s < V_{ef} < 7m/s

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Technical data

Air velocity range for standard execution:

- $V_{ef} = 2\sim5$ m/s

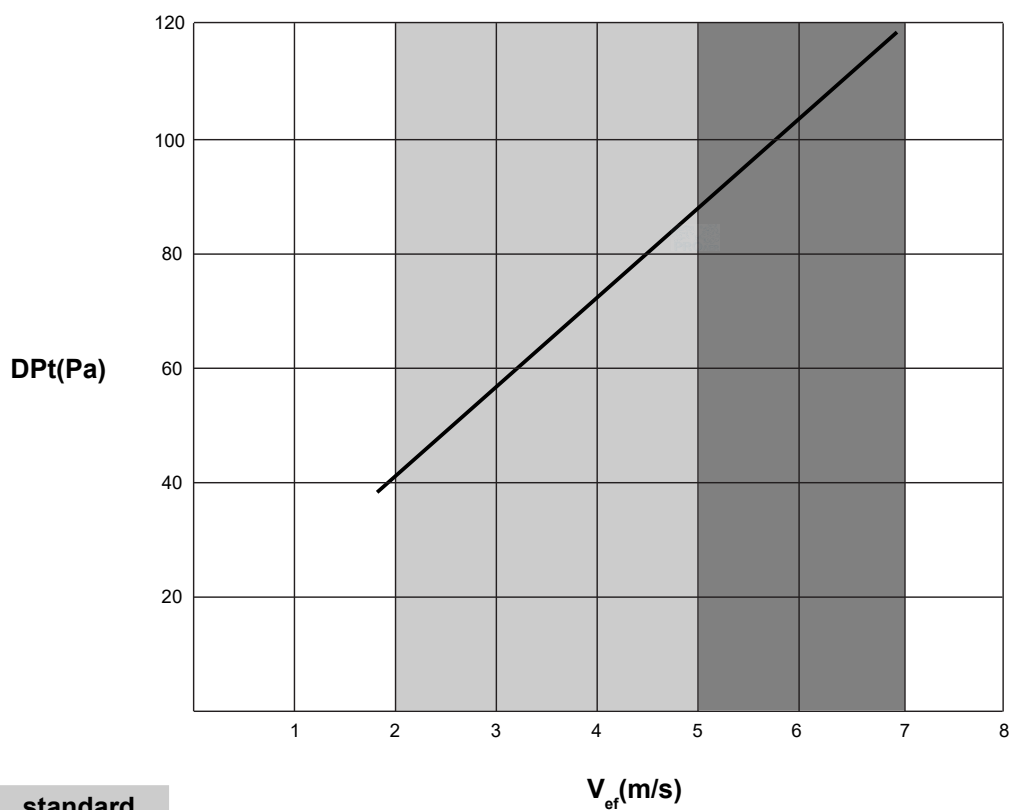
Air velocity range for LK execution (extra cost):

- $V_{ef} = 5\sim7$ m/s

Calculation formula :

$$V_{ef} = \frac{Q / 3600}{A_{ef}}$$

- $A_{ef} = (L(\text{mm})/1000 \times H(\text{mm})/1000 \times 0,8)$
(area in $\text{m}^2 \times 0,8$)



standard

+LK