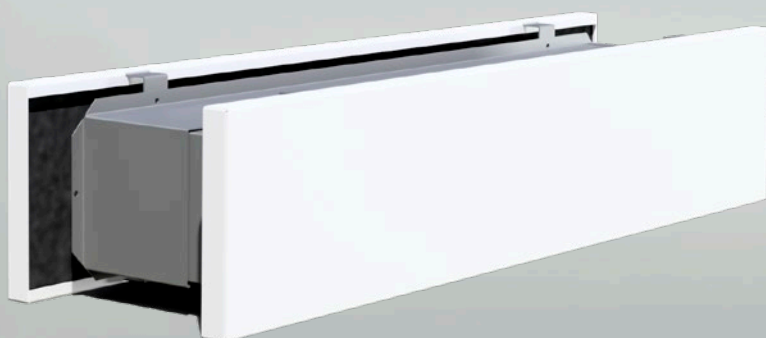


Transfer air device SKA

TECHNICAL DATA



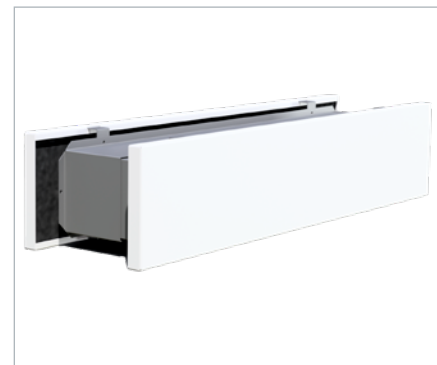


SKA TRANSFER AIR DEVICE

SKA is a transfer air device designed for wall mounting. The device is used to transfer air between rooms. In addition, SKA attenuates the sound transfer from room to room. The device can be mounted in walls of various thicknesses, and it is non-transparent. SKA causes minimal pressure drop.

QUICK SELECTION

Size	Air flow l/s at	
	10 Pa	15 Pa
0600-100	34	42
0700-100	38	47
0800-100	42	52
0900-100	45	56
1000-100	51	63



SPECIFICATIONS

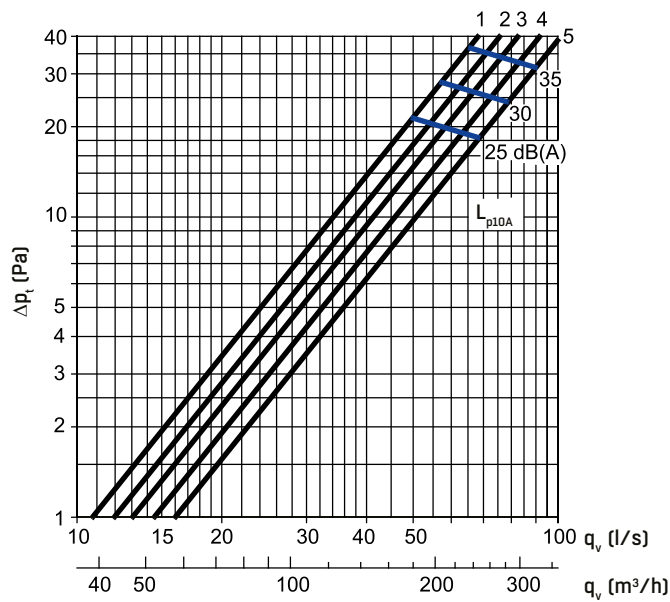
- Attenuates sounds transferred from room to room
- Low pressure drop
- Adjustable for different wall thicknesses
- Sound attenuation material is polyester

PRODUCT CODE EXAMPLE

Transfer air device SKA-0800-100-1

SELECTION AND SOUND DATA

SELECTION DIAGRAM



1	0600-100
2	0700-100
3	0800-100
4	0900-100
5	1000-100

DEFINITIONS

q_v	Air flow	l/s, m³/h
Δp_t	Total pressure drop	Pa
L_{p10A}	Sound pressure level with 4 dB room attenuation (10 m² sab)	dB(A)

SOUND ATTENUATION

Size	Sound insulation value $D_{n,e,w}$ (dB)
0600-100	33
0700-100	32
0800-100	31
0900-100	30
1000-100	29
Tolerance $\pm$	3

The measurements have been made in accordance with EN ISO 10140-1:2021 and EN ISO 10140-2:2022. The $D_{n,e,w}$ values are determined according to ISO 717-1:2020 and are given for a 10 m² transfer area. The $D_{n,e,w}$ values shown in the table are for a device installed in a 110 mm thick insulated plasterboard wall.

The total attenuation of the wall and transfer air device is obtained according to the following formula:

$$R_{tot} = 10 \times \log[S / (S \times 10^{-R_s/10} + 10 \text{ m}^2 \times 10^{-D_{n,e,w}/10})]$$

where

R_{tot} = Total attenuation of the wall and the device (dB)

S = Total area of the wall without the device (m²)

R_s = Attenuation of the wall construction (dB)

$D_{n,e,w}$ = $D_{n,e,w}$ value of the transfer air device (dB)

EXAMPLE

SKA-0800-100-1

Area of the wall: $S = 8 \text{ m}^2$

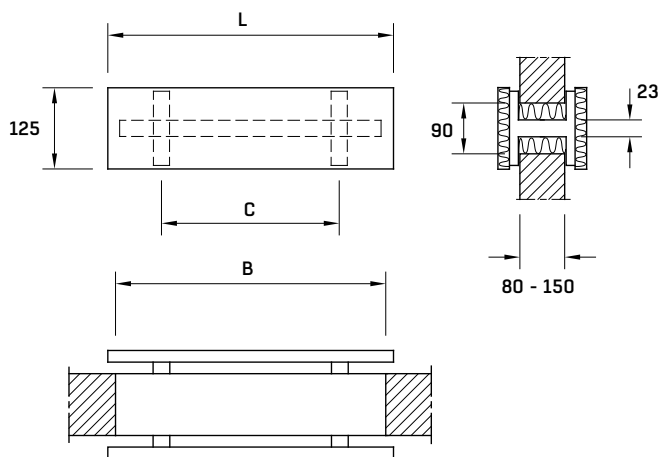
Attenuation of the wall: $R_s = 38 \text{ dB}$

Sound insulation value $D_{n,e,w} = 31 \text{ dB}$

$$R_{kok} = 10 \times \log[8 / (8 \times 10^{-38/10} + 10 \text{ m}^2 \times 10^{-31/10})] = 30,2 \text{ dB}$$

DIMENSIONS AND GENERAL

DIMENSIONS



Size	L (mm)	B (mm)	C (mm)
0600-100	600	545	400
0700-100	700	660	500
0800-100	800	760	600
0900-100	900	860	700
1000-100	1000	960	800

CONSTRUCTION

SKA is a transfer air device designed for wall mounting. The device is used to transfer air between rooms. In addition, SKA attenuates the sound transfer from room to room. The device can be mounted in walls of various thicknesses. View through the device is obstructed by the design. SKA causes minimal pressure drop.

The device is equipped with a sound attenuating frame and the face plates. The frame depth can be adjusted according to wall thickness.

The construction of SKA enables the lateral centering of the face plates.

FUNCTION

The air transfer between rooms is caused by pressure difference. The device attenuates sounds transferred from one room to another, and distributes the outcoming air evenly in all directions.

MATERIAL AND SURFACE FINISH

SKA is made of hot galvanized steel sheet. Sound attenuation material is polyester.

Standard colour is white (RAL 9003).

INSTALLATION

The device is installed inside an opening in a wall or door. The minimum dimensions of the opening are B x 95 mm. The wall thickness can vary between 80 and 150 mm.

PRODUCT DESCRIPTION

Transfer air device SKA manufactured by FläktGroup, e.g. in size 0800-100.

PRODUCT CODE

PRODUCT CODE

Transfer air device

SKA-aaaa-bbb-1

Nominal size, width-height in mm (aaaa-bbb)
0600-100, 0700-100, 0800-100, 0900-100, 1000-100



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