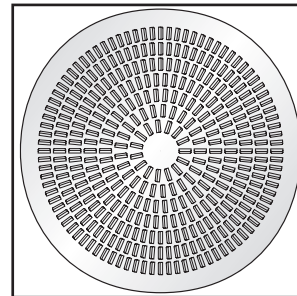


SKNW



Ø, ∅A

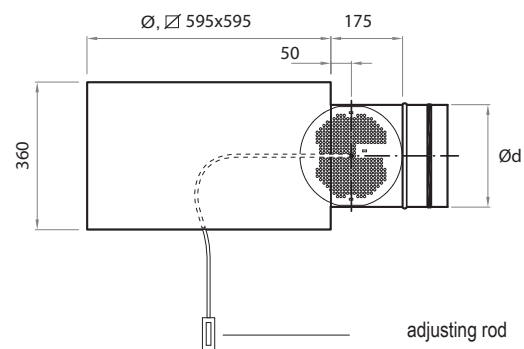
DIMENSIONS AND WEIGHT

SKNW

Size	ØA	Ød	kg
400	400	159	4.9
500	500	199	6.9
600	600	314	15.9
700	700	399	22.7

2

SKNW + SR/SKNW



DESCRIPTION

SKNW is a round or rectangle air vent, designed to be installed in a ceiling. The air vent can also work as an exhaust vent. It can work with a steady or variable airflow. Special design of the perforation assures low noise at high airflow rate.

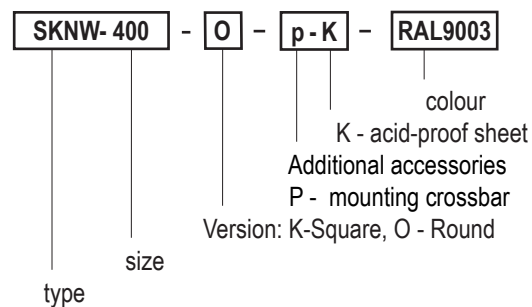
FEATURES

- high efficiency
- air-stream swirl feature
- high induction coefficient
- it can be used with an SR/SKNW adjustment box
- vents are made of galvanized steel sheet; default colour: RAL 9003
- on special request, it can be manufactured in any size and RAL colour

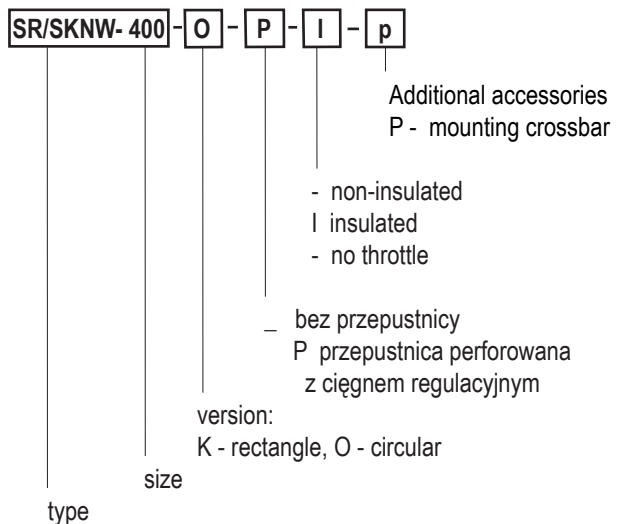
CONSTRUCTION

SKNW is an air vent designed to be installed in a ceiling. The air vent consists of a perforated front panel. It can also work as an exhaust vent. In standard expansion boxes are equipped on the ferrule with machine crimped rubber gasket. The expansion box may be provided with a mounting bar, which allows the diffuser assembly with a single bolt through the hole placed in the central part of the diffuser.

ORDER REFERENCE



ADDITIONAL EQUIPMENT:



2.16 SKNW

ceiling supply-exhaust air vent with swirl perforation

2

AIRFLOW – SOUND LEVEL				
SKNW Size		m ³ /h		
		25 dB (A)	30 dB (A)	35 dB (A)
400		180	220	250
500		270	310	350
600		540	630	740
700		760	880	1000

SKNW Size	SR Size	m ³ /h		
		25 dB (A)	30 dB (A)	35 dB (A)
400	400	110	140	170
500	500	170	220	260
600	600	380	450	530
700	700	490	630	810

The data refers to SKNW air vents with an SR/SKNW box or without it (upper part of table) If an air vent is installed together with the SR/SKNW box, the data refers to a total pressure drop of 50Pa. The data is presented in reference to three different levels of loudness.

ADDITIONAL EQUIPMENT

The SR/SKNW box is made of galvanized metal sheet. The box contains an adjustable damper.

SOUND DATA – SKNW – AIR SUPPLY

Sound power level L_w L_w (dB)
K_{OK} coefficient

Size SKNW	Middle frequency range Hz							
	63	125	250	500	1000	2000	4000	8000
160	-3	-2	0	1	2	-7	-20	-21
200	-5	0	0	0	2	-9	-24	-27
250	-3	0	1	1	2	-9	-2	-20
315	-4	-2	4	2	0	-10	-19	-20
400	0	-2	4	3	0	-12	-20	-19

Size SKNW SR/SKMW	Middle frequency range Hz							
	63	125	250	500	1000	2000	4000	8000
160	0	6	6	1	-1	-8	-15	-15
200	3	5	5	0	-1	-8	-14	-15
250	1	6	3	0	0	-8	-15	-15
315	0	5	3	2	0	-10	-16	-17
400	3	5	2	2	1	-11	-17	-18
Tol.	2	2	2	2	2	2	2	2

Size SKNW	Middle frequency range Hz							
	63	125	250	500	1000	2000	4000	8000
160	19	14	9	4	3	5	5	4
200	19	14	8	3	3	4	5	5
250	16	11	5	4	2	3	4	4
315	14	9	4	2	2	2	3	3
400	13	8	4	1	0	0	0	0

Size SKNW SR/SKMW	Middle frequency range Hz							
	63	125	250	500	1000	2000	4000	8000
160	19	14	10	17	19	12	10	12
200	16	11	8	16	18	12	11	11
250	13	8	8	16	17	12	12	3
315	11	6	7	19	14	10	10	13
400	10	5	8	14	11	10	11	12
Tol.	2	2	2	2	2	2	2	2

SOUND DATA – SKNW – AIR EXHAUST

Sound power level L_w L_w (dB)
K_{OK} coefficient

Size SKNW	Middle frequency range Hz							
	63	125	250	500	1000	2000	4000	8000
160	-4	4	0	-1	1	-5	-14	-18
200	4	8	2	0	0	-5	-14	-18
250	1	3	3	1	0	-4	-13	-17
315	-3	-1	2	2	0	-6	-15	-18
400	2	2	3	3	0	-7	-16	-18

Size SKNW SR/SKMW	Middle frequency range Hz							
	63	125	250	500	1000	2000	4000	8000
160	-2	9	7	0	-6	-7	-13	-18
200	3	9	7	-	-5	-7	-13	-15
250	1	12	5	-2	-3	-8	-14	-17
315	4	10	3	-2	-2	-7	-16	-17
400	10	11	5	1	-1	-8	-14	-17
Tol.	2	2	2	2	2	2	2	

sound attenuation ΔL (dB)
factor ΔL

Size SKNW	Middle frequency range Hz							
	63	125	250	500	1000	2000	4000	8000
160	19	14	9	4	3	5	5	4
200	19	14	8	3	3	4	5	5
250	16	11	5	4	2	3	4	4
315	14	9	4	2	2	2	3	3
400	13	8	4	1	0	0	0	0

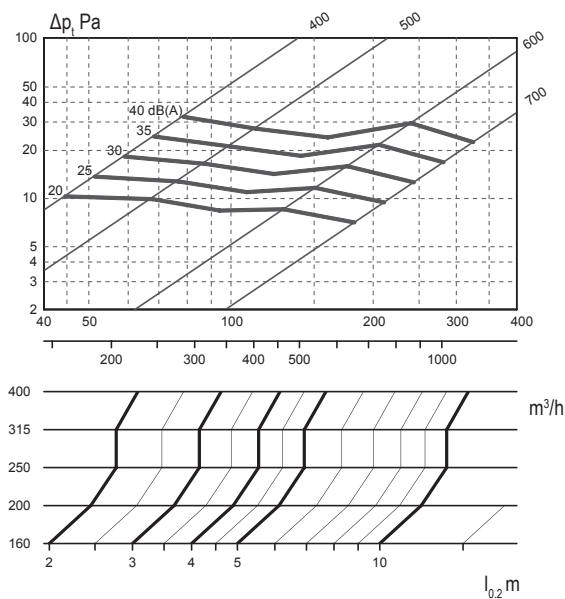
Size SKNW SR/SKMW	Middle frequency range Hz							
	63	125	250	500	1000	2000	4000	8000
160	19	14	10	17	19	12	10	12
200	16	11	8	16	18	12	11	11
250	13	8	8	16	17	12	12	13
315	11	6	7	19	14	10	10	13
400	10	5	8	14	11	10	11	12
Tol.	2	2	2	2	2	2	2	2

CHARACTERISTICS – SKNW – AIR SUPPLY

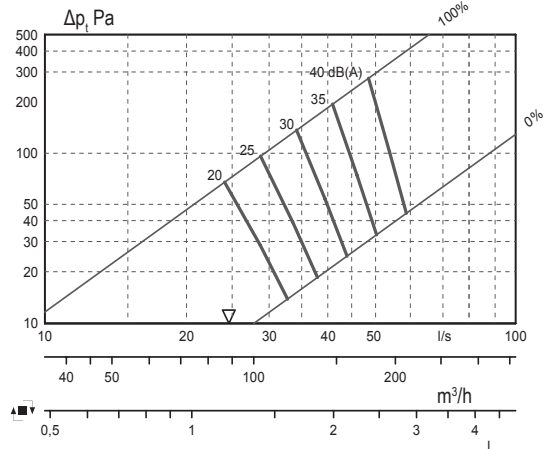
Airflow – Pressure drop – Sound level

- Data for a ceiling-mounted SKNW
- These characteristics cannot be used for adjustment of air vents
- The dB(A) value refers to rooms with the acoustic absorption of 4 dB and cubature of 30 m³.
- dB(C) is generally higher by 6-9 dB than the dB(A) value.

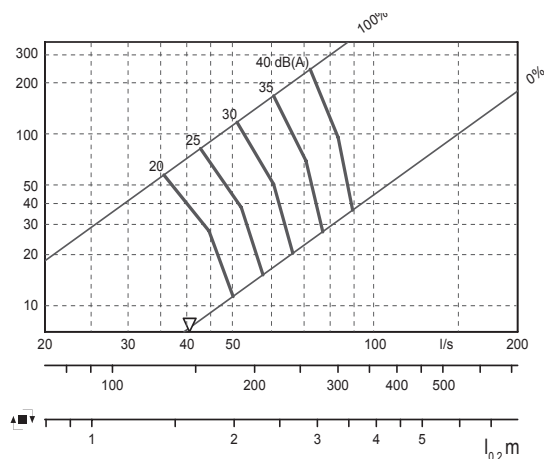
SKNW - 400, 500, 600, 700



SKNW 400 + SR/SKNW 400



SKNW 400 + SR/SKNW 400



2.16 SKNW

ceiling supply-exhaust air vent with swirl perforation

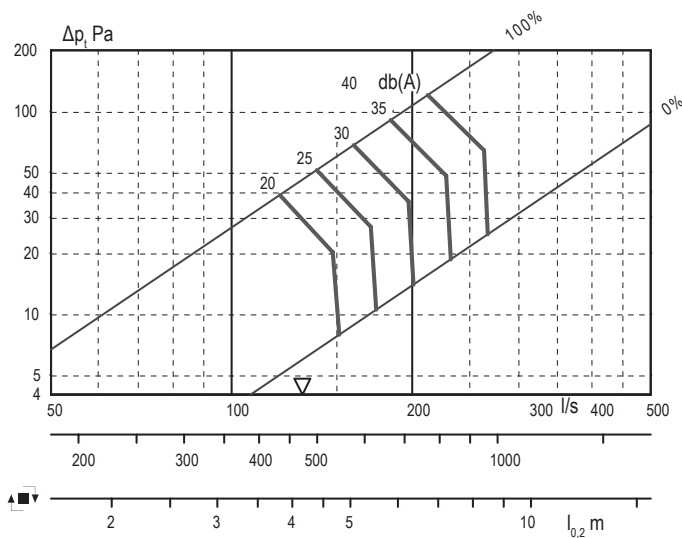
CHARACTERISTICS – SKNW – AIR SUPPLY

Airflow – Pressure drop – Sound level

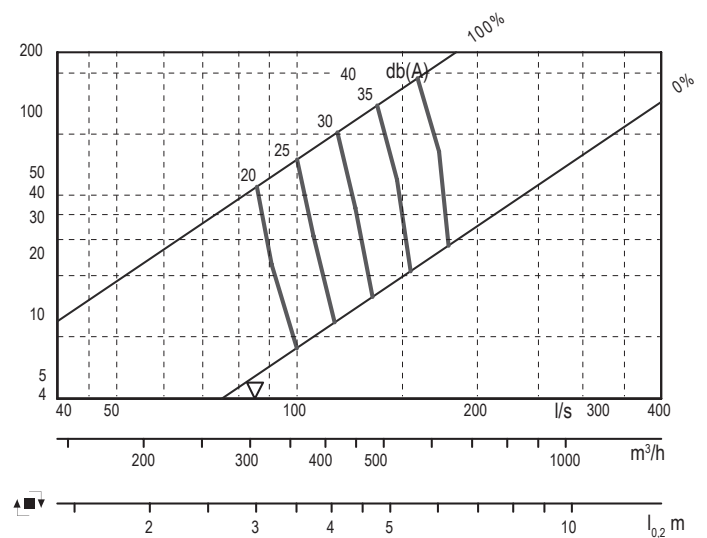
- Data for a ceiling-mounted SKNW
- These characteristics cannot be used for adjustment of air vents
- The dB(A) value refers to rooms with the acoustic absorption of 4 dB and cubature of 30 m³.
- dB(C) is generally higher by 6-9 dB than the dB(A) value.

2

SKNW 500 + SR/SKNW 500



SKNW 700 + SR/SKNW 700

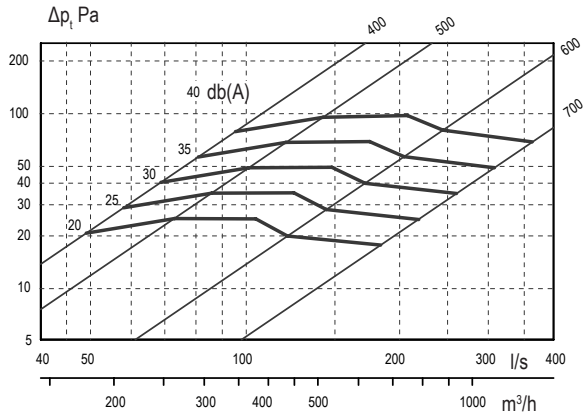


Characteristic - SKNW with box SR/SKNW - extract flow - pressure loss - sound level - range

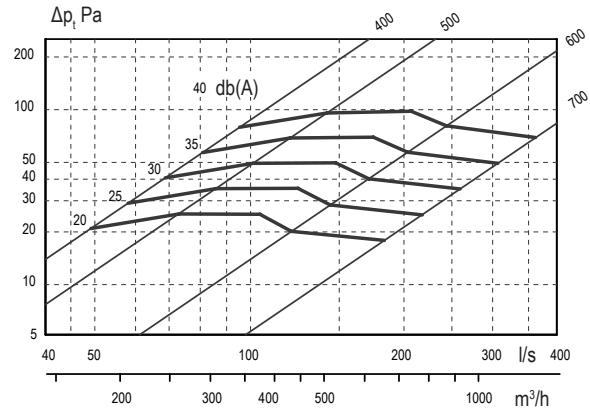
- Data for SKNW mounted in the ceiling
- Δ - Minimum flow for adjusting
- Value dB(A) for rooms with normal acoustic 4 dB and volume 30m³

- Value dB(C) is generally higher 6-9 dB than Value dB(A)
- 100% is a closed damper box ALSc, 0% means an open damper box ALSc

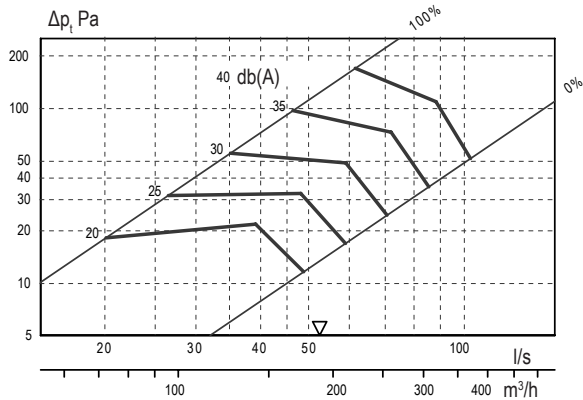
SKNW - 400, 500, 600, 700



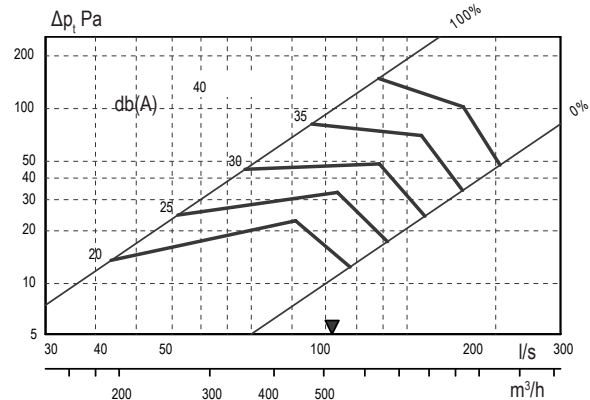
SKNW 400 + SR/SKNW 400



SKNW 500 + SR/SKNW 500



SKNW 600 + SR/SKNW 600



SKNW 700 + SR/SKNW 700

