

# Extract air terminal device

# SLKNU50



## Description

SLKNU is an extract air terminal device consisting of a silencer with 50 mm insulation and conical inlet with net.

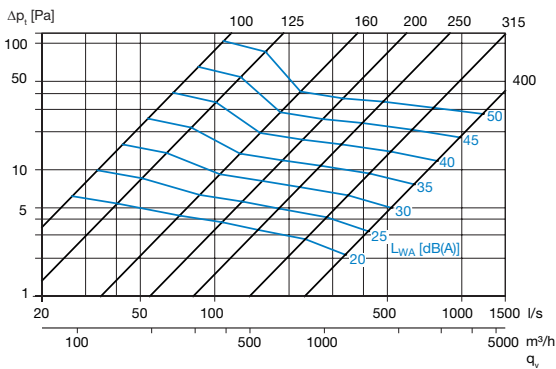
## Material and surface treatment

SLKNU is manufactured from galvanized sheet metal and is as standard delivered non-painted. The device can also be painted to order. SLKNU is manufactured from galvanized sheet metal and is as standard delivered non-painted. The device can also be painted to order.

## Technical data

### Capacity

Air flow  $q_v$  [l/s] and [m<sup>3</sup>/h], total pressure  $\Delta p_t$  [Pa] and sound power level  $L_{WA}$  [dB(A)] is read in the graph.

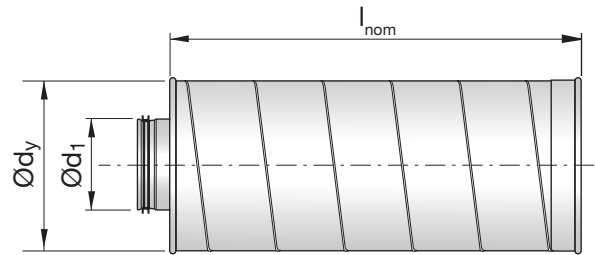


## Order code

<b>Product</b>	<b>SLKNU</b>	<b>d</b>	<b>l</b>	<b>C</b>
SLKNU				
<b>Connection dim. <math>\varnothing d_1</math></b>				
$\varnothing d_1 = 100 - 400$ mm				
<b>Length in mm (<math>l_{nom}</math>)</b>				
$l_{nom} = 300 - 1200$ mm				
<b>Insulation thickness (C)</b>				
50				

Example: SLKNU - 125 - 600 - 50

## Dimensions and sound data



$\varnothing d_1$ nom	$l_{nom}$ [mm]	l [mm]	Insertion loss [dB] for centre frequency [Hz]								$\varnothing d_y$ [mm]	m [kg]
			63	125	250	500	1k	2k	4k	8k		
100	300	412	24	18	16	19	23	26	20	11	210	2,32
100	600	712	26	19	21	29	38	50	34	17	210	4,27
100	900	1012	27	20	25	39	52	51	48	23	210	5,51
100	1200	1312	28	21	29	50	52	51	50	29	210	6,94
125	300	415	22	16	15	17	17	20	15	10	235	2,69
125	600	715	23	17	15	27	31	40	22	14	235	4,59
125	900	1015	24	18	21	37	46	50	30	17	235	6,56
125	1200	1315	25	19	24	47	51	50	38	21	235	8,00
160	300	420	19	14	11	13	13	15	8	8	270	2,99
160	600	720	20	15	14	22	28	29	14	11	270	5,57
160	900	1020	20	16	17	31	43	43	20	15	270	7,87
160	1200	1320	20	17	20	40	51	50	26	19	270	9,82
200	300	410	17	12	10	10	11	11	5	5	325	4,03
200	600	710	18	13	12	18	22	23	9	8	325	6,82
200	900	1010	18	14	13	26	33	34	13	10	325	9,66
200	1200	1310	19	15	15	33	44	45	18	13	325	11,9
250	600	693	17	11	11	14	17	16	8	6	365	8,43
250	900	993	17	13	12	21	26	23	10	8	365	11,6
250	1200	1293	18	14	13	27	35	30	12	10	365	14,9
315	600	701	12	9	9	12	14	9	4	5	427	10,9
315	900	1001	13	10	10	17	22	12	6	7	427	15,3
315	1200	1301	13	10	11	23	30	16	7	9	427	20,2
400	* 600	655	10	8	6	7	8	4	4	4	508	18,9
400	* 900	955	11	8	7	11	13	7	5	6	508	24,3
400	* 1200	1255	11	9	9	15	19	10	7	8	508	26,7

\* Supplied with one loose coupling

## Correction for flow noise ( $L_{wo}$ )

### Correction $K_{oct}$

$\varnothing d_1$ [mm]	Correction, $K_{oct}$ (dB) for centre frequency [Hz]							
	63	125	250	500	1k	2k	4k	8k
100	5	-11	-17	-15	-9	-2	-15	-22
125	9	-9	-14	-12	-8	-3	-13	-21
160	3	-14	-18	-14	-9	-2	-13	-20
200	12	-9	-12	-9	-5	-4	-16	-21
250	7	-8	-13	-10	-4	-5	-16	-22
315	20	-8	-14	-12	-7	-4	-17	-27
400	11	-3	-8	-10	-10	-2	-19	-28

Sound power levels per octave band  $L_{woct}$  are calculated by adding the octave band correction  $K_{oct}$  to the total power level  $L_{WA}$  from the graph.

$$L_{woct} = L_{WA} + K_{oct}$$