

**DEK Ceiling diffuser**

DEK is a rectangular ceiling diffuser for duct connections Ø 100-400 mm.

Air is directed into the room through the side slots and perforated front panel.

Diffuser front plate is easily removable, making the cleaning process more comfortable and less time consuming.

The diffuser is generally used with the SKDM plenum box.



**Features:**

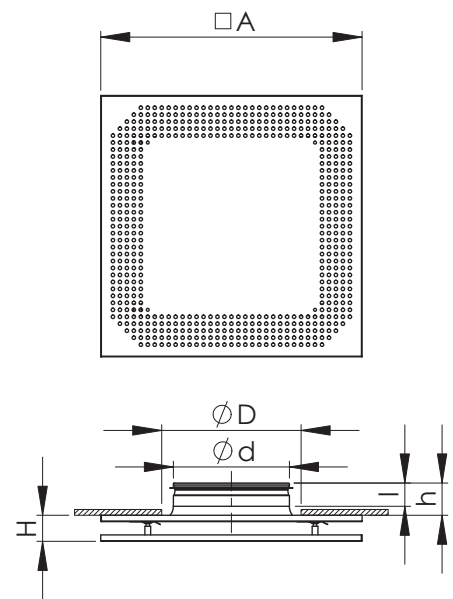
- low noise level
- removable front plate makes cleaning easy



**Structure and dimensions**

Manufactured of galvanized steel and coated white (RAL 9003). Round duct connection with rubber gasket.

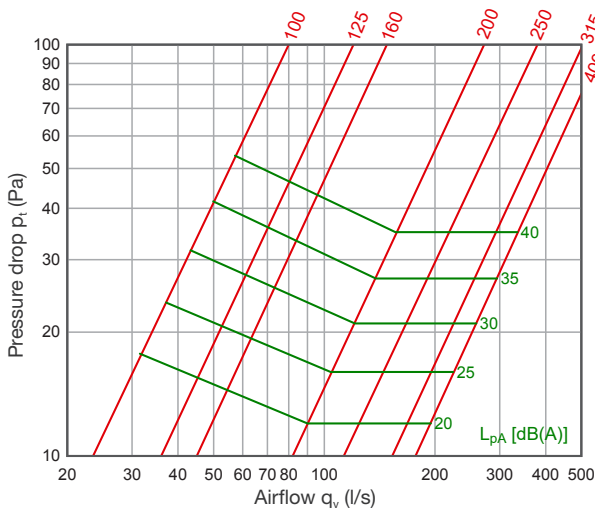
Nominal size	Ød	A	H	ØD	h	l
100-300	100	300	47	130	45	40
125-350	125	350	47	170	50	40
160-350	160	350	47	210	55	40
200-450	200	450	47	250	55	40
200-600	200	595	47	250	55	40
250-450	250	450	47	300	55	40
250-600	250	595	47	300	55	40
315-600	315	595	47	365	55	40
400-600	400	595	47	450	90	75



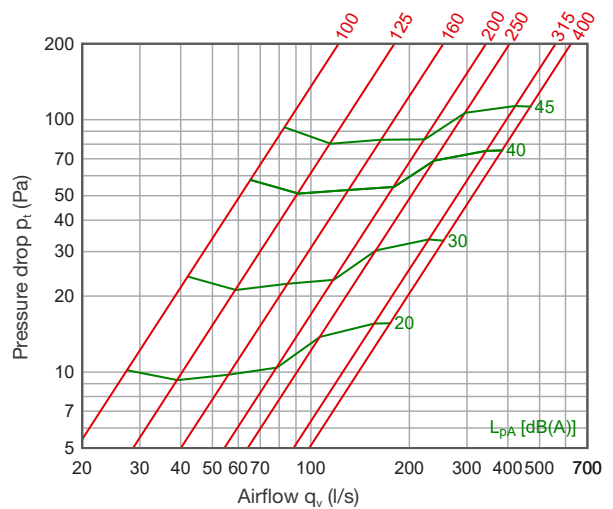
**Technical data**

**Airflow - pressure drop - sound level**

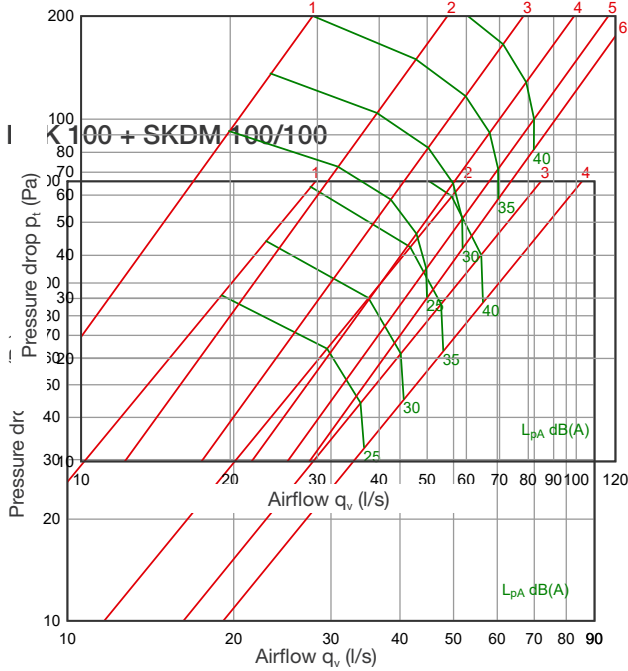
**Supply air**



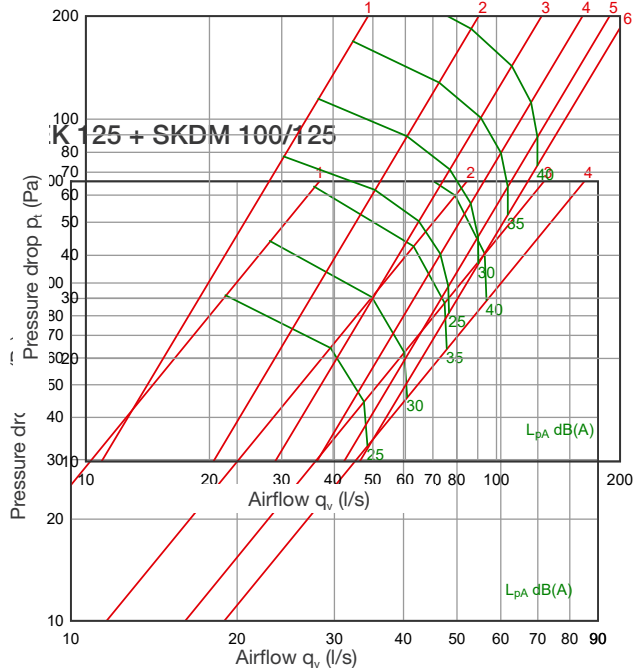
**Exhaust air**



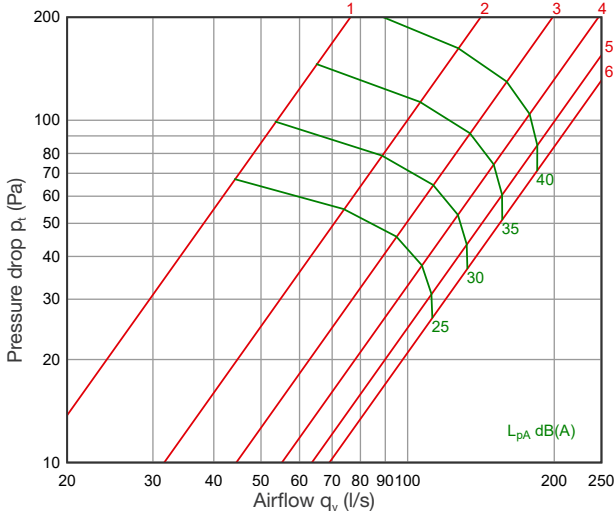
**DEK 160 + SKDM 125/160**



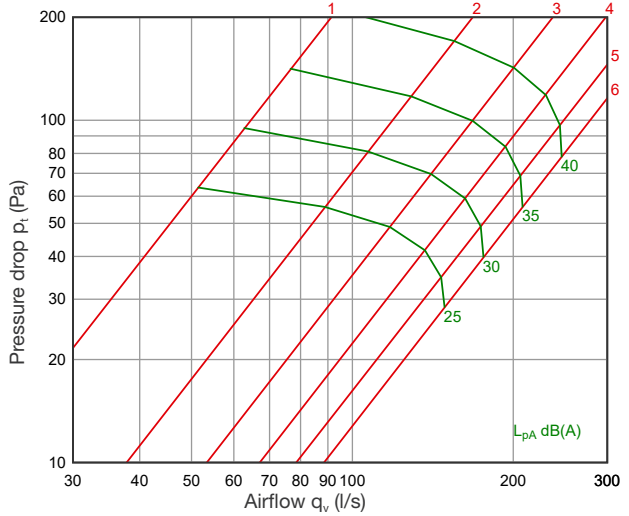
**DEK 200 + SKDM 160/200**



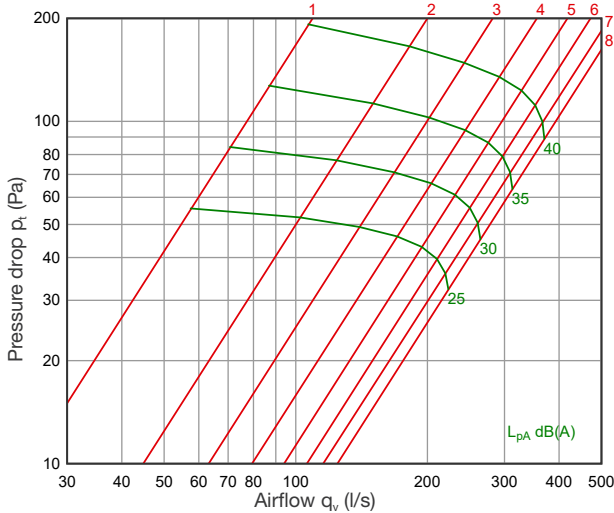
**DEK 250 + SKDM 200/250**



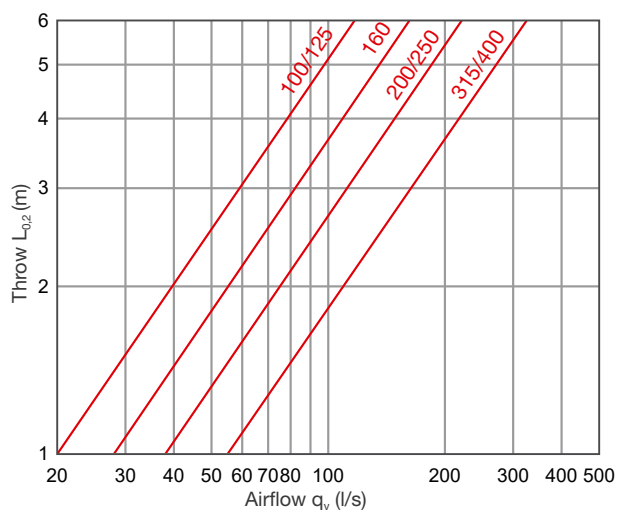
**DEK 315 + SKDM 250/315**



**DEK 400 + SKDM 315/400**



**DEK, throw**



Acoustic data

DEK Size	Sound level correction factor $K_{okt}$ (dB)							
	Hz							
	63	125	250	500	1k	2k	4k	8k
100	6	3	2	2	-1	-3	-10	-19
125	14	11	7	1	-1	-1	-14	-19
160	14	11	5	1	0	-9	-14	-19
200	11	8	4	2	0	-9	-14	-19
250	11	8	2	3	-1	-9	-14	-19
315	14	11	3	2	-2	-6	-14	-19
400	15	12	4	2	-2	-11	-14	-19

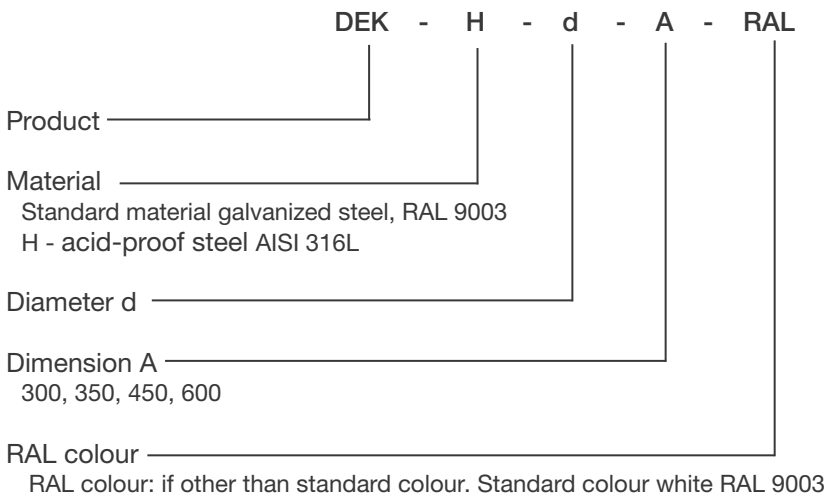
DEK Size	Sound attenuation (dB)							
	Mean frequency of octave band (Hz)							
	63	125	250	500	1k	2k	4k	8k
100	18	15	10	4	5	5	2	4
125	17	14	9	4	4	2	3	4
160	16	13	8	4	3	2	4	5
200	13	10	7	5	3	2	3	5
250	12	9	5	5	3	3	4	6
315	11	8	6	5	2	3	4	5
400	11	8	7	5	2	2	4	7

$$L_w = L_{pA10} + K_{okt}$$

DEK+SKDM	Position	K-factor	Sound level correction factor $K_{okt}$ (dB)							
			63	125	250	500	1k	2k	4k	8k
DEK 100 + SKDM 100/100	s = 1	2,0	1	4	-2	-6	-6	-8	-12	-17
	s = 2	3,8	4	7	0	-4	-6	-11	-17	-22
	s = 3	5,4	5	9	2	-3	-6	-13	-19	-25
	s = 4	6,6	7	11	3	-3	-6	-14	-21	-27
DEK 125 + SKDM 100/125	s = 1	2,0	1	4	-2	-6	-6	-8	-12	-17
	s = 2	3,8	4	7	0	-4	-6	-11	-17	-22
	s = 3	5,4	5	9	2	-3	-6	-13	-19	-25
	s = 4	6,6	7	11	3	-3	-6	-14	-21	-27
DEK 160 + SKDM 125/160	s = 1	2,1	-2	1	-4	-6	-6	-5	-8	-13
	s = 2	4,0	1	5	-1	-5	-6	-8	-13	-19
	s = 3	5,8	3	7	0	-4	-6	-10	-16	-22
	s = 4	7,4	4	8	1	-3	-6	-12	-18	-24
	s = 5	8,8	5	9	2	-3	-6	-13	-19	-26
	s = 6	10,0	5	10	3	-3	-6	-13	-21	-27
DEK 200 + SKDM 160/200	s = 1	3,5	-2	1	-4	-6	-6	-5	-8	-14
	s = 2	6,7	0	4	-1	-5	-6	-8	-13	-19
	s = 3	9,6	2	6	0	-4	-6	-10	-15	-22
	s = 4	12,2	3	7	1	-3	-7	-11	-17	-24
	s = 5	14,6	4	8	2	-3	-7	-12	-19	-26
	s = 6	16,7	4	9	3	-2	-7	-13	-20	-27
DEK 250 + SKDM 200/250	s = 1	5,5	-1	2	-3	-6	-6	-6	-8	-13
	s = 2	10,5	2	5	-1	-5	-6	-9	-13	-19
	s = 3	15,1	4	7	1	-4	-6	-11	-16	-22
	s = 4	19,2	5	9	2	-3	-6	-12	-18	-24
	s = 5	22,9	5	10	3	-3	-6	-13	-19	-26
	s = 6	26,1	6	11	3	-2	-6	-14	-21	-27
DEK 315 + SKDM 250/315	s = 1	6,4	0	2	-4	-7	-5	-5	-7	-11
	s = 2	12,5	3	5	-1	-5	-6	-9	-11	-16
	s = 3	18,1	4	7	0	-4	-6	-10	-14	-19
	s = 4	23,4	5	8	1	-4	-6	-12	-16	-22
	s = 5	28,3	6	9	2	-3	-6	-13	-18	-23
	s = 6	32,8	7	10	3	-3	-6	-14	-19	-25
DEK 400 + SKDM 315/400	s = 1	7,5	-1	0	-5	-7	-5	-4	-4	-8
	s = 2	14,7	1	4	-2	-6	-6	-7	-9	-14
	s = 3	21,5	3	5	-1	-5	-6	-9	-12	-17
	s = 4	28,0	4	7	0	-4	-6	-10	-14	-19
	s = 5	34,2	5	8	1	-4	-6	-11	-15	-21
	s = 6	40,1	6	9	2	-4	-6	-12	-17	-22
	s = 7	45,6	6	10	2	-3	-6	-13	-18	-23
	s = 8	50,9	7	10	3	-3	-6	-13	-19	-24

DEK+SKDM	Position	Sound attenuation (dB)							
		Mean frequency of octave band (Hz)							
		63	125	250	500	1k	2k	4k	8k
DEK 100 + SKDM 100/100	s = 1	21	18	16	17	25	20	20	21
	s = 4	21	18	16	18	18	17	16	12
DEK 125 + SKDM 100/125	s = 1	21	18	16	17	25	20	20	21
	s = 4	21	18	16	18	18	17	16	12
DEK 160 + SKDM 125/160	s = 1	20	16	16	17	21	17	20	21
	s = 6	19	15	15	17	16	15	15	13
DEK 200 + SKDM 160/200	s = 1	18	13	15	18	19	13	19	22
	s = 6	17	13	14	17	14	13	15	14
DEK 250 + SKDM 200/250	s = 1	14	12	14	18	18	17	20	20
	s = 6	14	11	13	16	14	14	16	16
DEK 315 + SKDM 250/315	s = 1	11	11	13	18	18	19	20	19
	s = 6	10	10	13	16	14	15	17	18
DEK 400 + SKDM 315/400	s = 1	8	9	13	18	18	19	20	19
	s = 8	8	9	12	16	14	15	17	18

**Product codes**



**Example: DEK 200**