

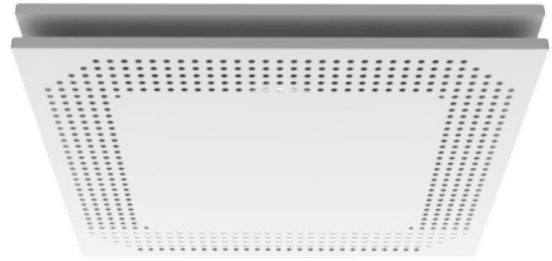
DEK Ceiling diffuser

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. The directional plate can be used to select 2-, 3-, or 4-way airflow.

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.



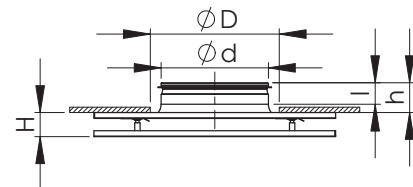
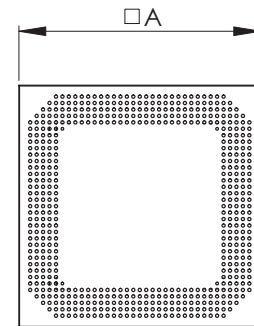
Features:

- low noise level
- removable front plate makes cleaning easy

Structure and dimensions

Manufactured of galvanized steel and coated white (RAL 9010). Round duct connection with rubber gasket.

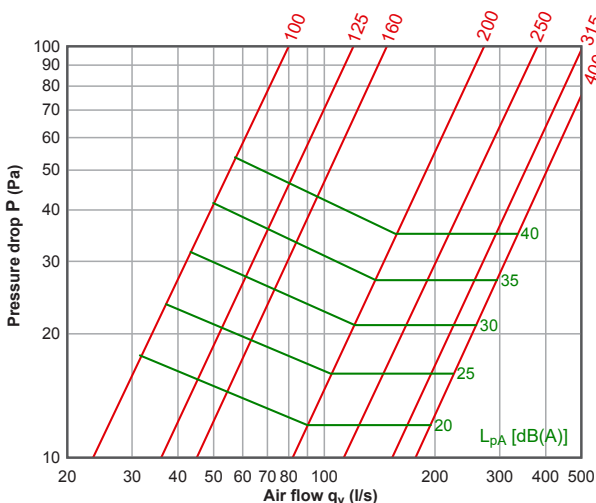
Size	Ød	A	H	ØD	h	l
100	100	300	44	130	45	40
125	125	350	44	170	50	40
160	160	350	44	210	55	40
200	200	450	44	250	55	40
250	250	450	44	300	55	40
315	315	595	47	365	55	40
400	400	595	47	450	90	75



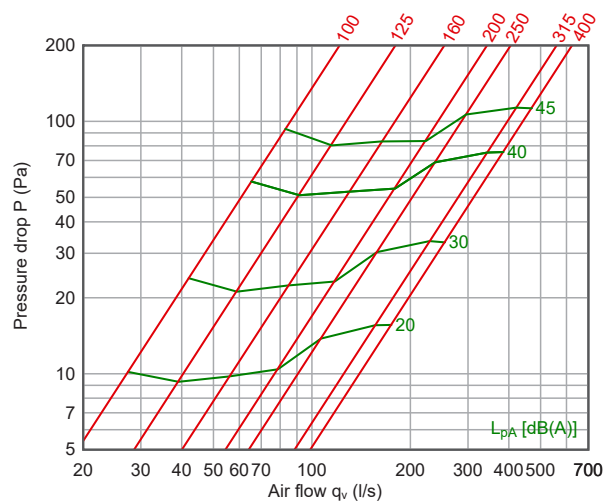
Technical data

Air flow - pressure drop - sound level

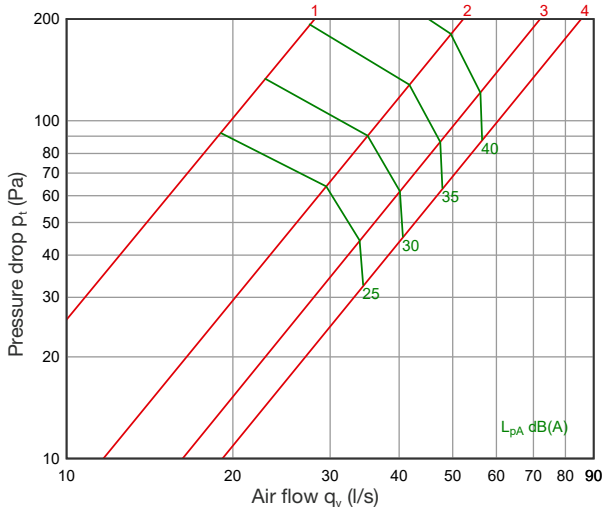
Supply air



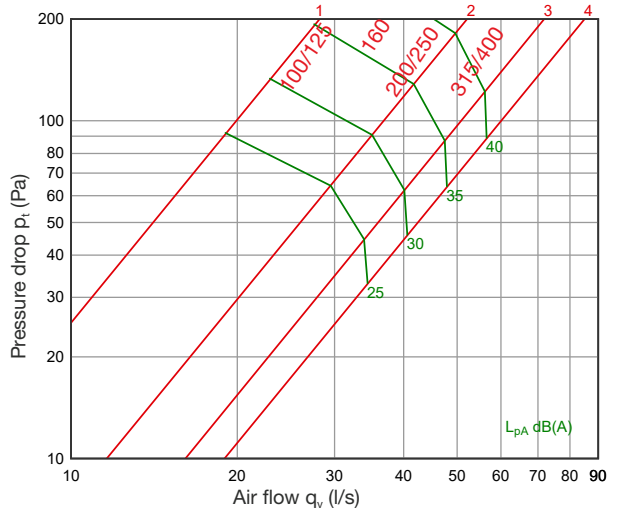
Exhaust air



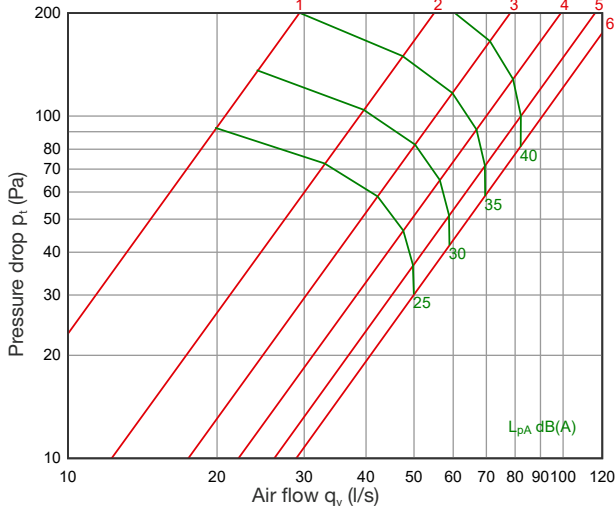
DEK 100 + SKDM 100/100



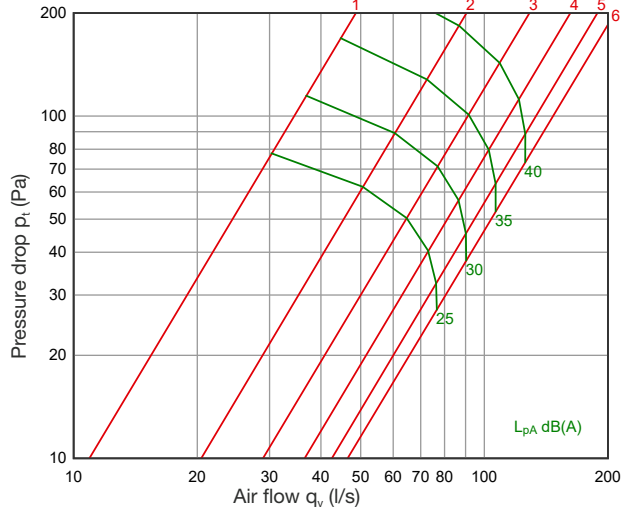
DEK 125 + SKDM 100/125



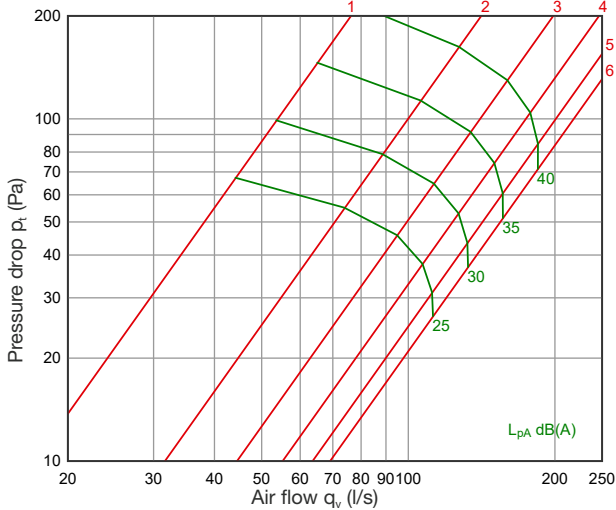
DEK 160 + SKDM 125/160



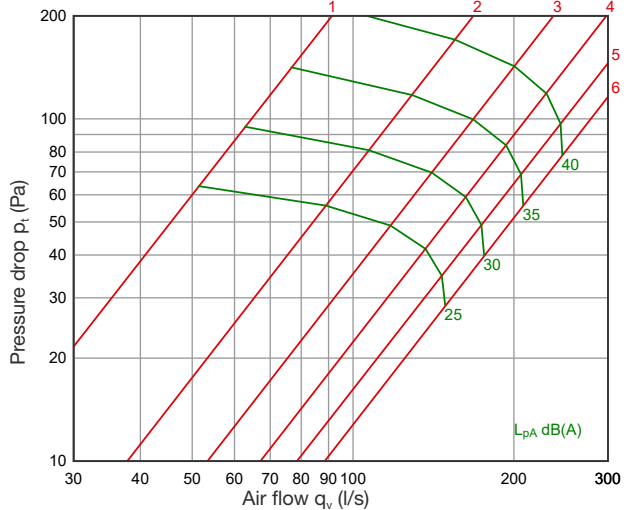
DEK 200 + SKDM 160/200



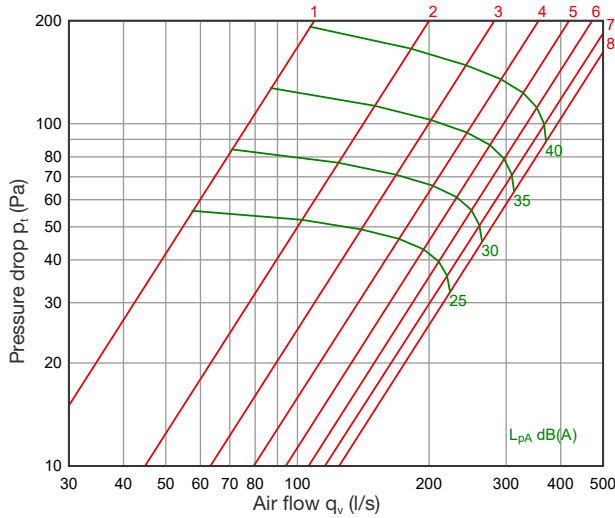
DEK 250 + SKDM 200/250



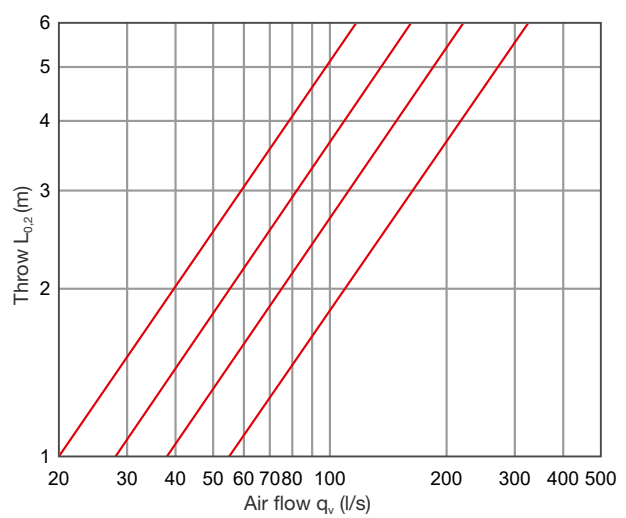
DEK 315 + SKDM 250/315



DEK 400 + SKDM 315/400



DEK, throw



Acoustic data

DEK Size	Sound level correction factor K_{okt} (dB)							
	Hz							
100	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)							
100	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+SKDM	Position	K-factor	Sound level correction factor K_{okt} (dB)							
			63	125	250	500	1k	2k	4k	8k
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)							
		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

DEK - d - RAL 7000



RAL colour: if other than standard colour. Standard colour white RAL 9010

Example: DEK 200

Material codes:

Standard material galvanized steel (DX51D+Z275), standard EVS-EN 10346:2009.

H – acid-proof steel (standards EVS-EN 10088-2:2014, EN 1.4436 or AISI 316)

Zn – uncoated galvanized steel

Accessories:

SKDM - plenum box