

Balancing plenum box for supply air grilles.
Ensures steady flow pattern.
Reliable measuring and adjusting of the airflow.

Material and surface treatment

The plenum box is made of galvanised sheet steel, with acoustic lining.

Order key

Plenum box RAS - 1 - 400 x 100 - 1 -x
 1 2 3 4

1 = Duct connection alternatives:

1 = side

2 = rear

3 = top / bottom

2 = Size of the grille

3 = Operation: supply air - 1
 exhaust air - 2

4 = If special duct size is needed

Quick guide

Size	Airflow l/s	
	min	max
200 x 100	10	26
300 x 100	25	40
400 x 100	30	50
300 x 150	25	60
400 x 150	35	80
500 x 150	40	100
600 x 150	45	110
300 x 200	30	80
400 x 200	35	100
500 x 200	50	125
600 x 200	60	150
800 x 200	70	200

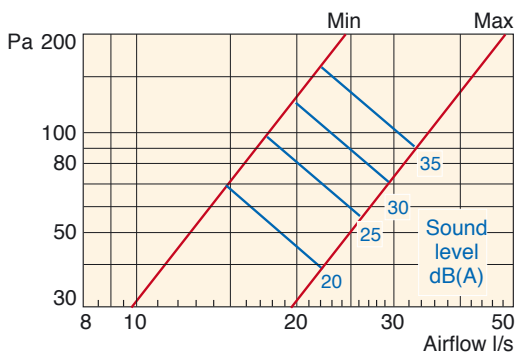
BALANCING PLENUM BOX RAS

Performance

Airflow - pressure drop - sound level

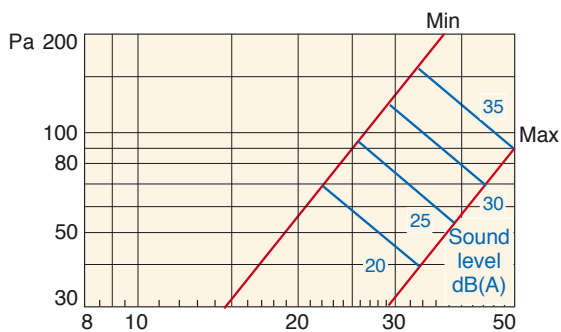
The graphs are not to be used for commissioning.

RAS 200 x 100 - 125



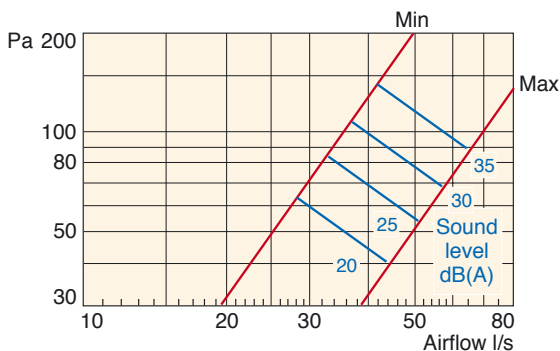
f, Hz	Sound power level					
	125	250	500	1 k	2 k	4 k
K _{okt} , dB	1. 4	5	1	0	5	-15
	2. 3	5	1	0	-6	-12
Sound attenuation, wall installation						
	1. 11	5	15	12	10	7
	2. 12	5	8	6	11	8

RAS 300 x 100 - 160



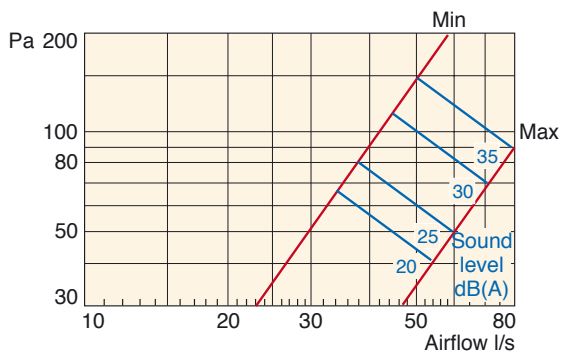
f, Hz	Sound power level					
	125	250	500	1 k	2 k	4 k
K _{okt} , dB	1. 4	5	0	1	-6	-14
	2. 4	5	-1	1	-5	-13
Sound attenuation, wall installation						
	1. 10	4	12	12	11	7
	2. 11	4	6	6	12	7

RAS 400 x 100 - 160



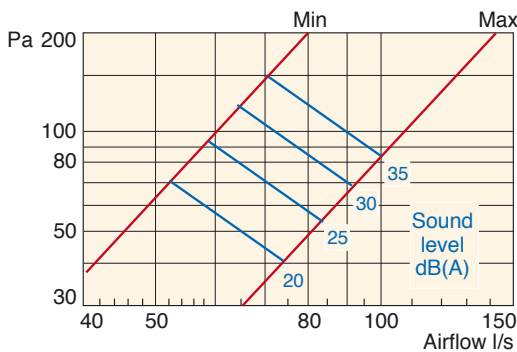
f, Hz	Sound power level					
	125	250	500	1 k	2 k	4 k
K _{okt} , dB	1. 4	5	0	1	-7	-15
	2. 4	4	1	1	-5	-12
Sound attenuation, wall installation						
	1. 11	3	12	12	10	7
	2. 10	4	8	8	9	7

RAS 300 x 150 - 200



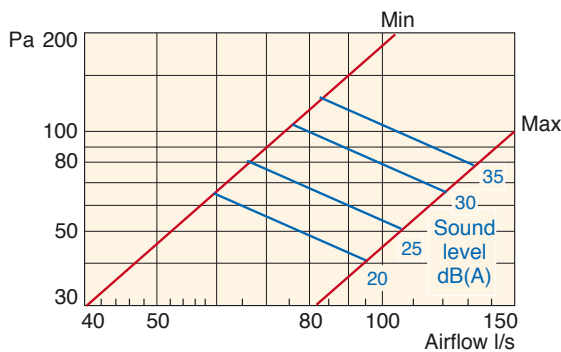
f, Hz	Sound power level					
	125	250	500	1 k	2 k	4 k
K _{okt} , dB	1. 6	4	-1	0	-6	-14
	2. 7	5	0	0	-5	-13
Sound attenuation, wall installation						
	1. 8	5	13	11	9	7
	2. 7	4	4	6	13	10

RAS 400 x 150 - 250



f, Hz	Sound power level					
	125	250	500	1 k	2 k	4 k
K _{okt} , dB	1. 7	3	0	0	-5	-12
	2. 7	2	0	0	-4	-11
Sound attenuation, wall installation						
	1. 5	5	12	12	8	8
	2. 5	4	5	8	10	8

RAS 500 x 150 - 250



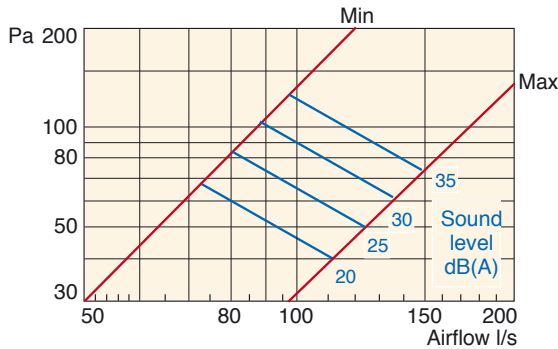
f, Hz	Sound power level					
	125	250	500	1 k	2 k	4 k
K _{okt} , dB	1. 8	4	-1	1	-5	-13
	2. 8	5	1	0	-7	-14
Sound attenuation, wall installation						
	1. 5	5	13	10	8	7
	2. 5	4	6	8	11	8

Performance

The graphs are not to be used for commissioning.

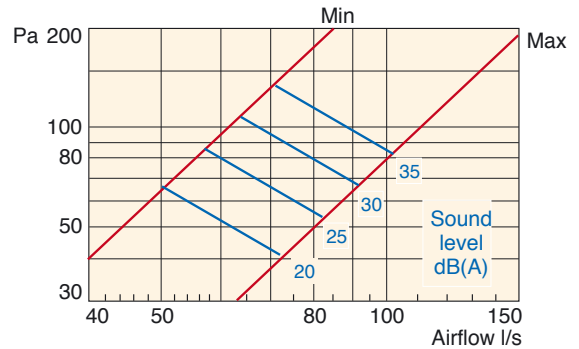
Airflow - pressure drop - sound level

RAS 600 x 150 - 250



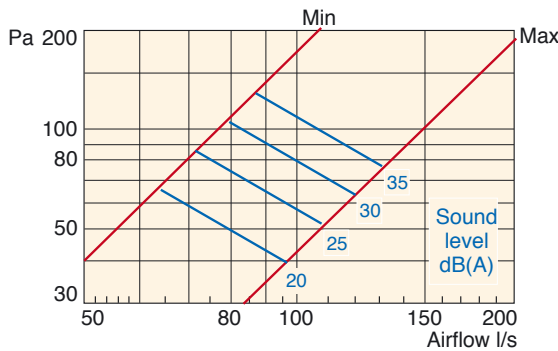
f, Hz	Sound power level					
K _{okt.} dB	125	250	500	1 k	2 k	4 k
1.	9	4	1	0	-6	-14
2.	9	6	2	0	-6	-12
Sound attenuation, wall installation						
1.	4	5	10	10	9	9
2.	4	4	7	6	9	7

RAS 300 x 200 - 250



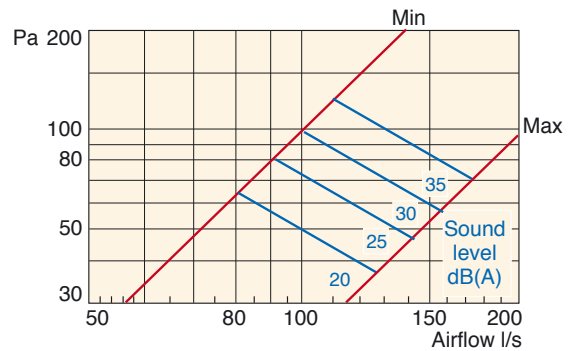
f, Hz	Sound power level					
K _{okt.} dB	125	250	500	1 k	2 k	4 k
1.	8	4	1	0	-6	-13
2.	9	5	1	0	-6	-12
Sound attenuation, wall installation						
1.	4	5	9	10	8	8
2.	4	4	6	7	9	9

RAS 400 x 200 - 250



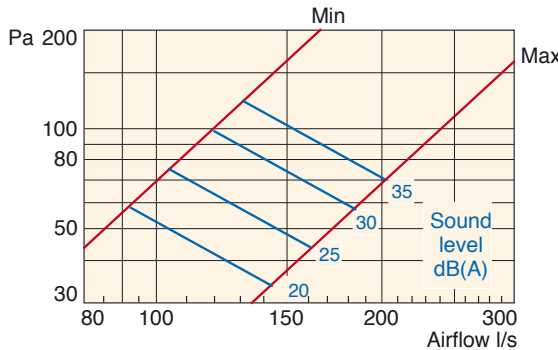
f, Hz	Sound power level					
K _{okt.} dB	125	250	500	1 k	2 k	4 k
1.	7	3	-1	-1	-7	-13
2.	9	5	0	0	-6	-12
Sound attenuation, wall installation						
1.	6	4	12	10	8	7
2.	5	3	4	8	10	8

RAS 500 x 200 - 315



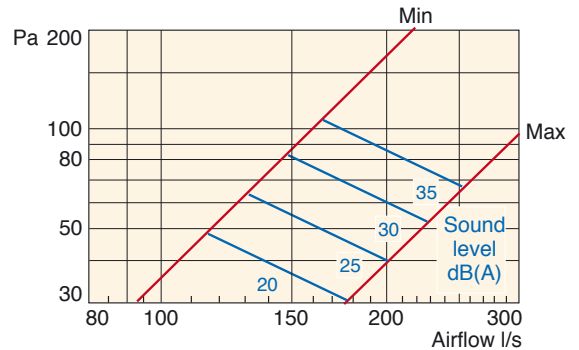
f, Hz	Sound power level					
K _{okt.} dB	125	250	500	1 k	2 k	4 k
1.	4	0	0	0	-5	-14
2.	6	1	1	0	-6	-12
Sound attenuation, wall installation						
1.	5	7	10	9	6	7
2.	4	5	7	9	10	8

RAS 600 x 200 - 315



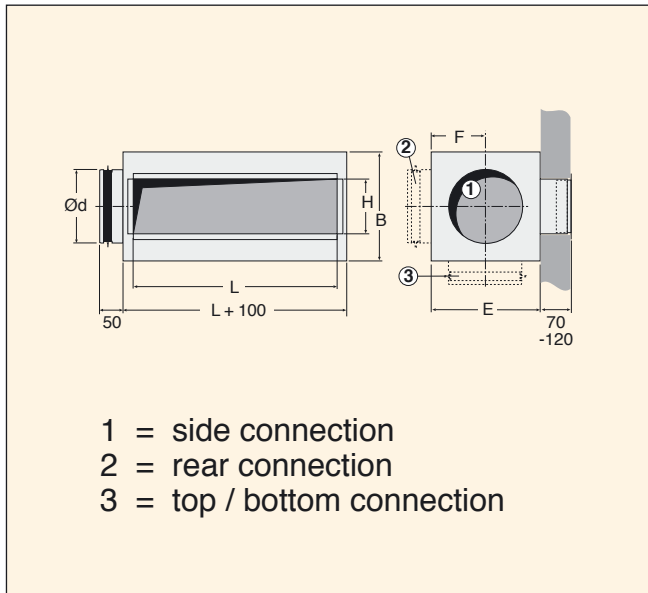
f, Hz	Sound power level					
K _{okt.} dB	125	250	500	1 k	2 k	4 k
1.	4	1	1	0	-5	-13
2.	5	1	1	1	-6	-11
Sound attenuation, wall installation						
1.	4	6	8	9	8	7
2.	3	5	6	7	8	9

RAS 800 x 200 - 315



f, Hz	Sound power level					
K _{okt.} dB	125	250	500	1 k	2 k	4 k
1.	5	1	1	0	-6	-12
2.	6	2	1	0	-4	-11
Sound attenuation, wall installation						
1.	3	5	8	8	6	7
2.	2	5	5	8	8	8

Dimensions



Size	ø d	B	E	F
200 x 100	124	190	270	103
300 x 100	159	220	310	120
400 x 100	159	220	310	120
200 x 150	159	220	310	120
300 x 150	199	250	350	140
400 x 150	249	290	400	165
500 x 150	249	290	400	165
600 x 150	249	290	400	165
300 x 200	249	290	400	165
400 x 200	249	290	400	165
500 x 200	314	355	470	197
600 x 200	314	355	470	197
800 x 200	314	355	470	197

Wall opening L x H = grille size + 5 mm