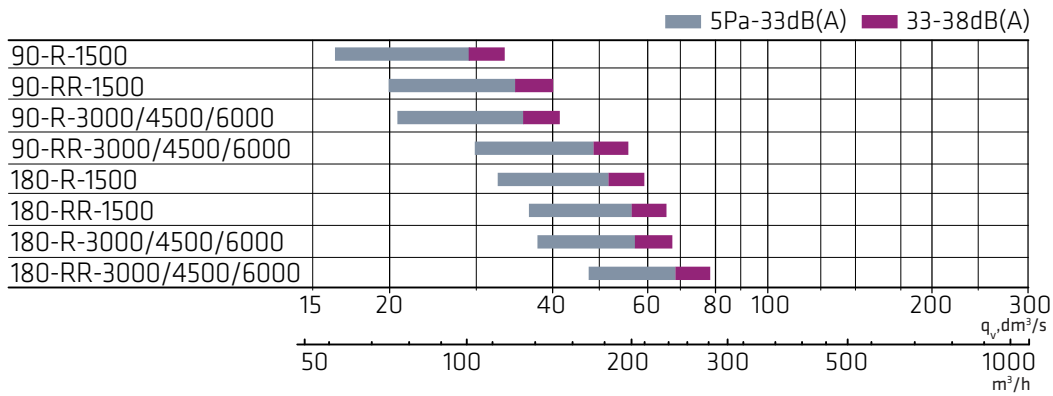


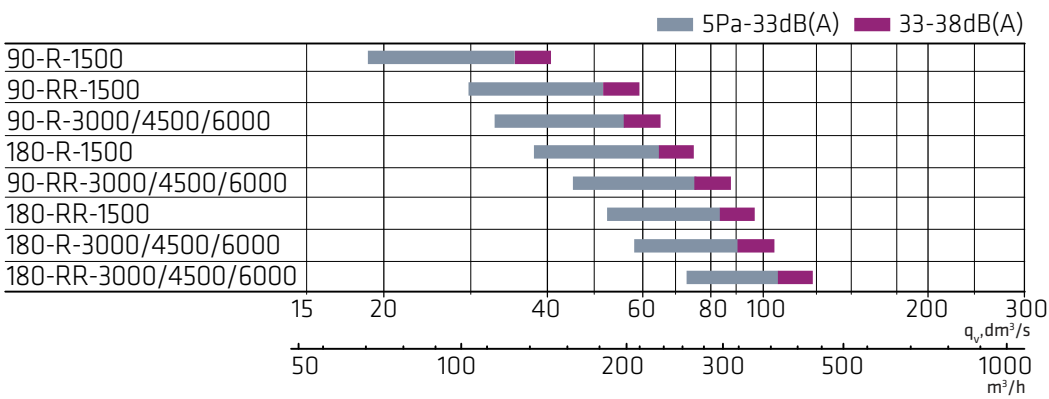
ROX technical brochure

Quick guide

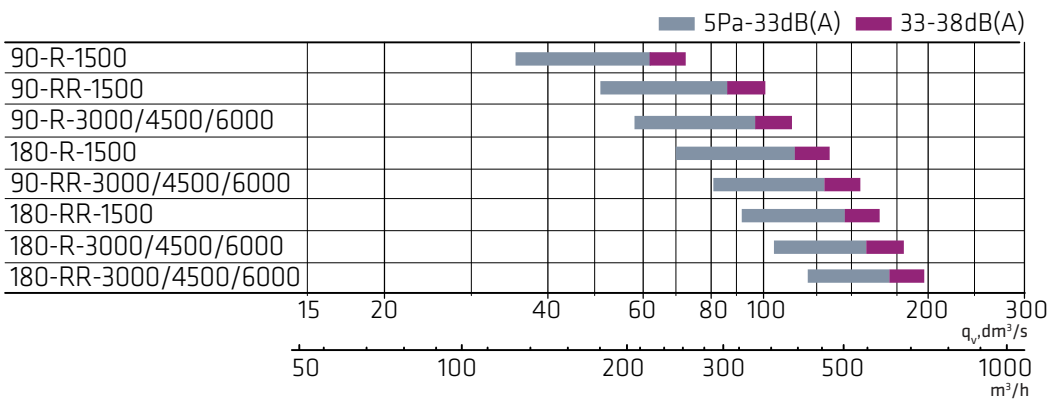
ROX 160



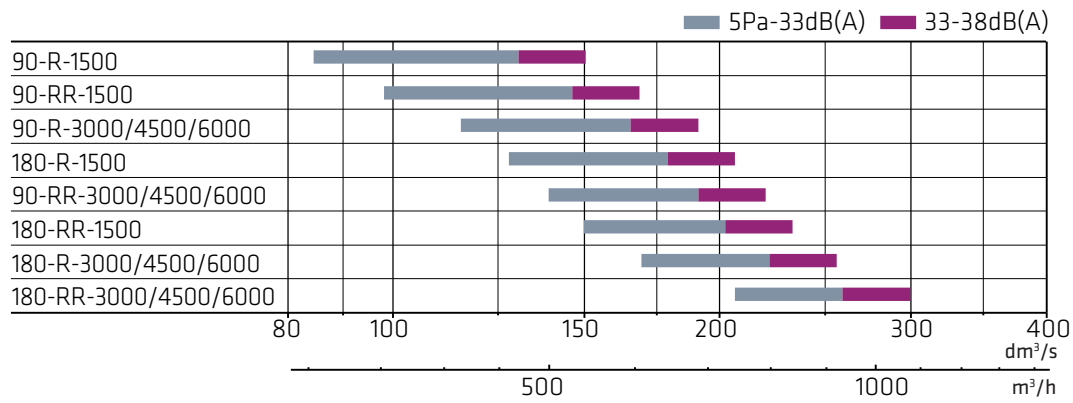
ROX 200



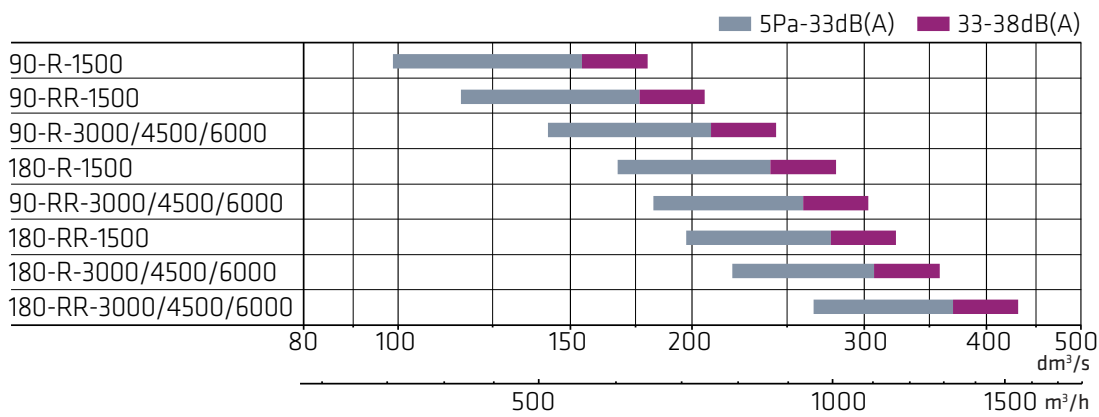
ROX 250



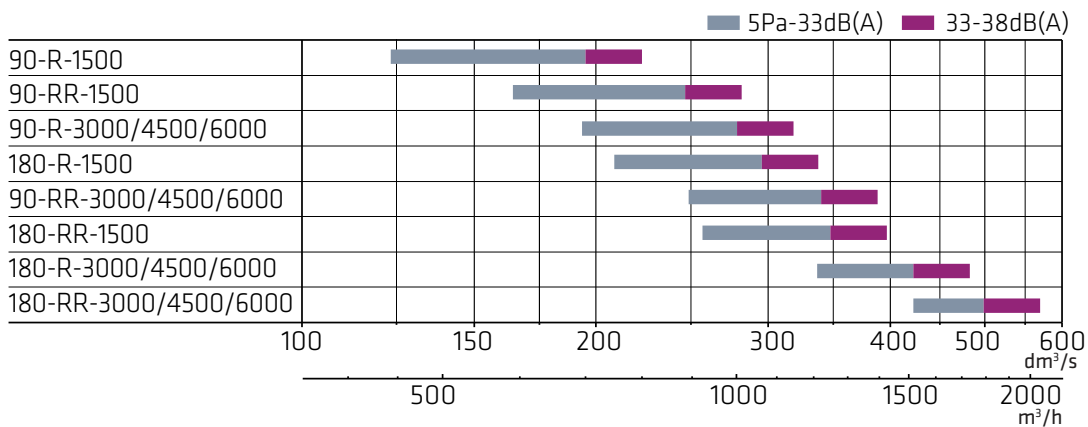
ROX 315



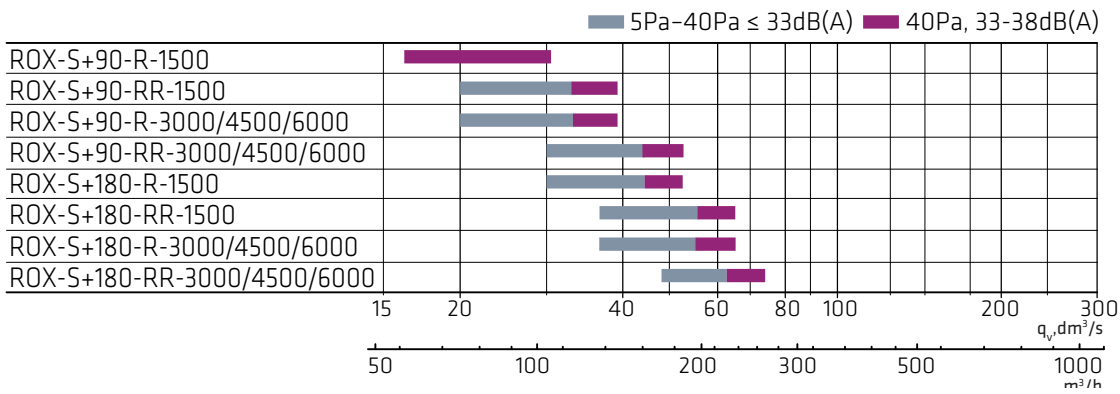
ROX 400



ROX 500

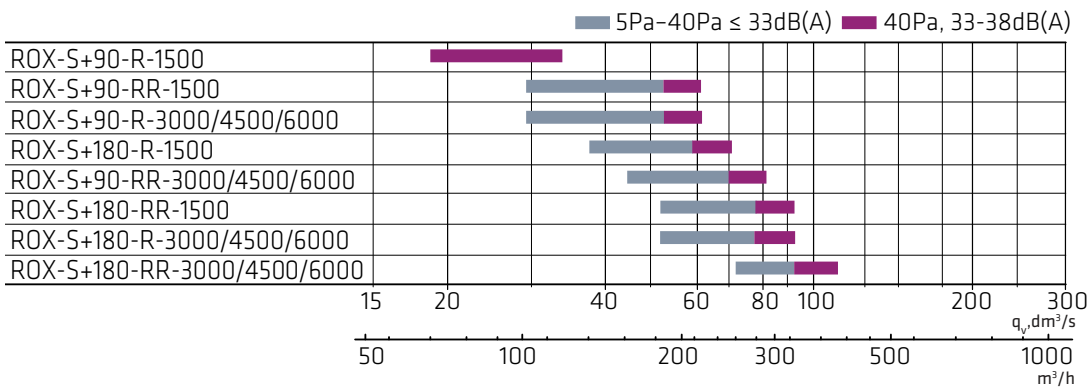


ROX-S + ROX 160



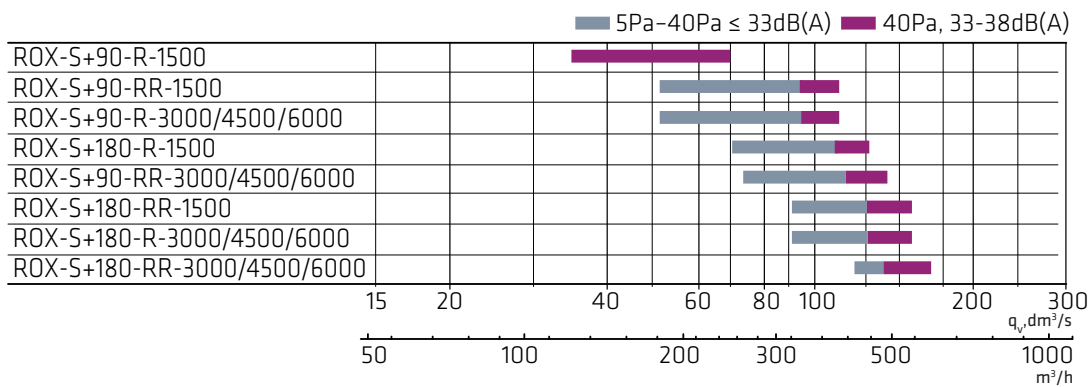
NOTE! In the model 90-R-1500 the purple area is = 5Pa - 40Pa ≤ 38dB(A)

ROX-S + ROX 200



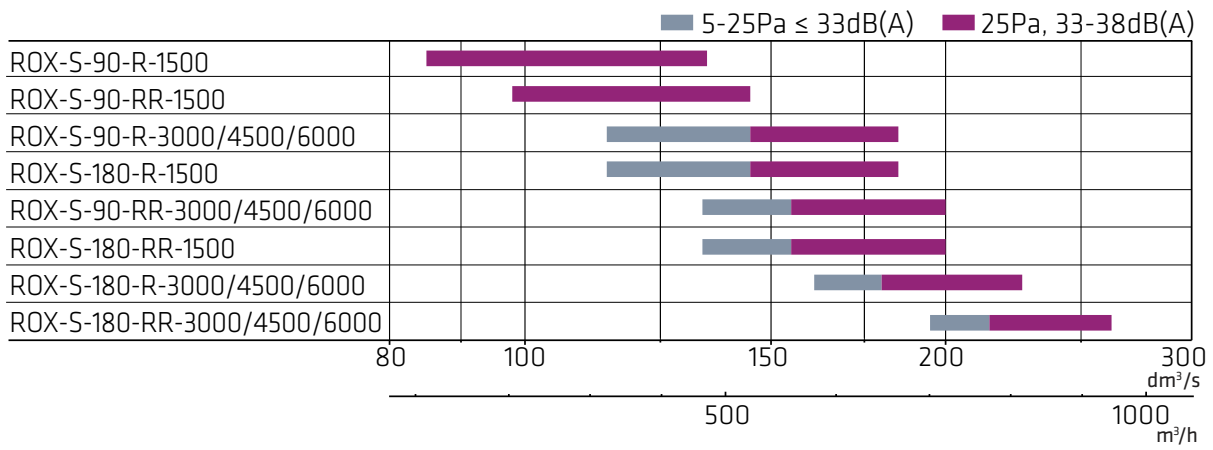
NOTE! In the model 90-R-1500 the purple area is = 5Pa - 40Pa ≤ 38dB(A)

ROX-S + ROX 250



NOTE! In the model 90-R-1500 the purple area is = 5Pa - 40Pa ≤ 38dB(A)

ROX-S + ROX 315



NOTE! In the model 90-R-1500 the purple area is = 5Pa - 40Pa ≤ 38dB(A)

Product code

ROX
ROX-S
ROX-0
ROX 200 - 180 - R - 3000 + ROX-S - 200 + ROX-0 - 200 - 1000
1
2
3
4
5
6
7
8
9

1 = Duct size Ø 160 - 500

2 = Blow sector
 90 = in one direction
 180 = in two directions

3 = The number of rows of nozzles
 R = Optimized for smaller air volumes
 RR = Optimized for larger air volumes

4 = The length of the active part
 1500 mm, 3000 mm, 4500 mm, 6000 mm

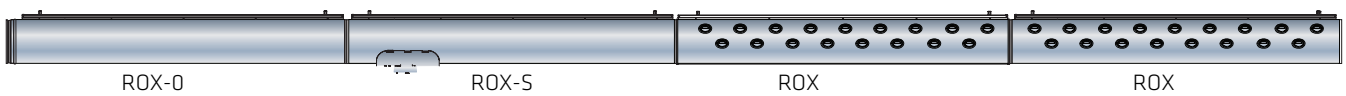
5 = Adjustment and damper unit ROX-S

6 = ROX-S duct size Ø 160 - 315

7 = Extension part ROX-0

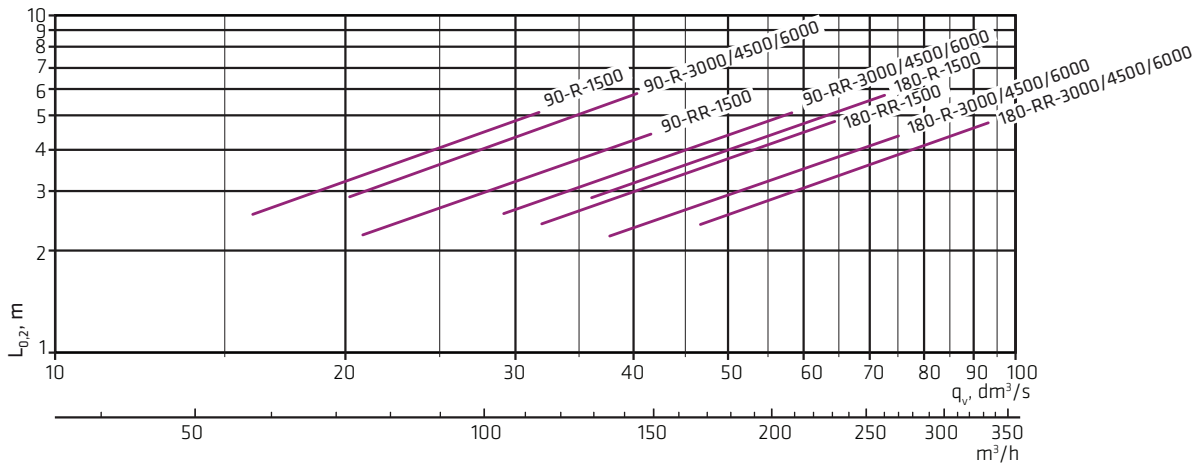
8 = Duct size of the extension part Ø 160 - 500

9 = The length of the extension part. Standard 500 mm, 1000 mm, 1500 mm.
 Upon request there are also other dimensions
 200 mm - 1500 mm.

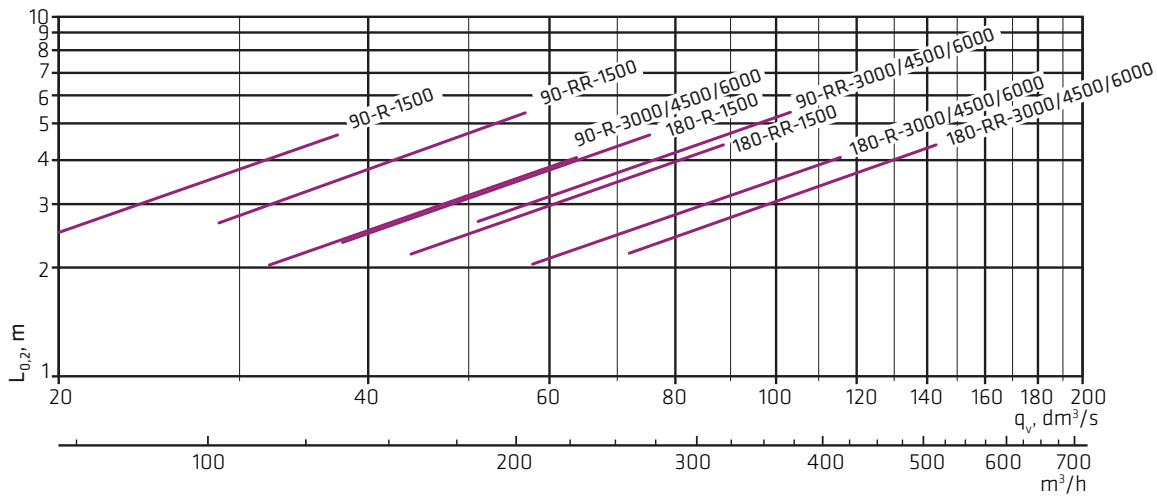


Throw lenght

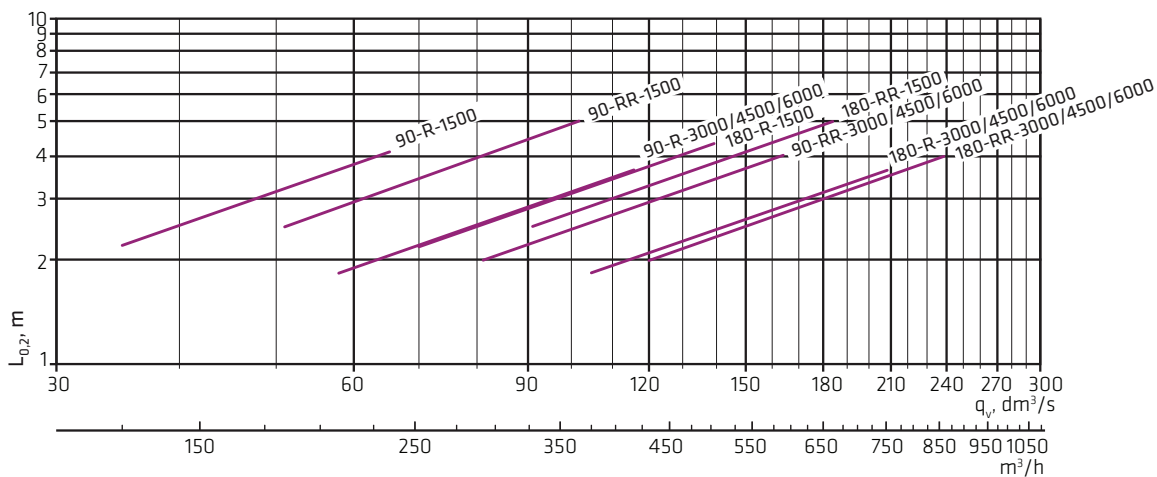
ROX 160



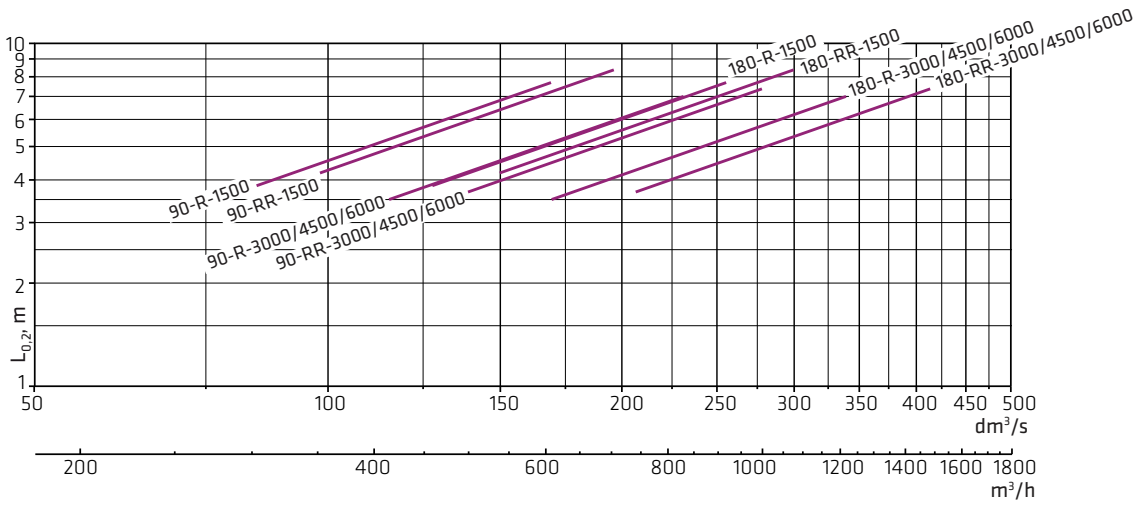
ROX 200



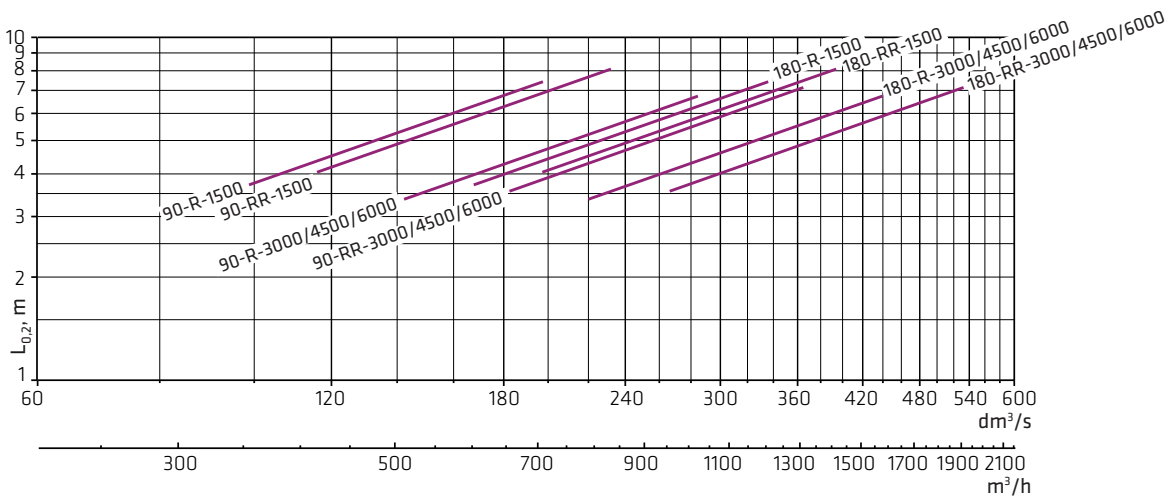
ROX 250



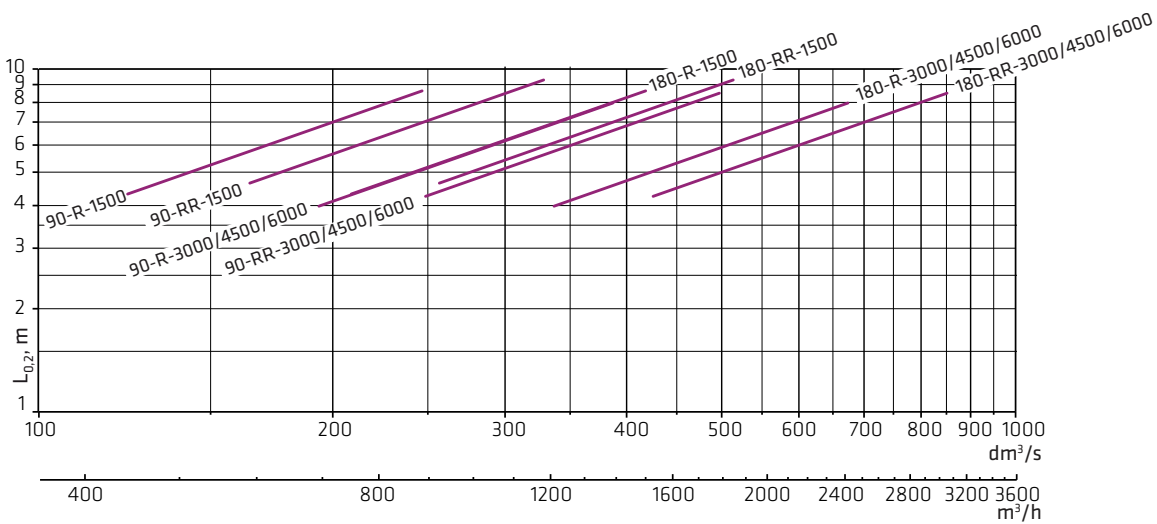
ROX 315



ROX 400

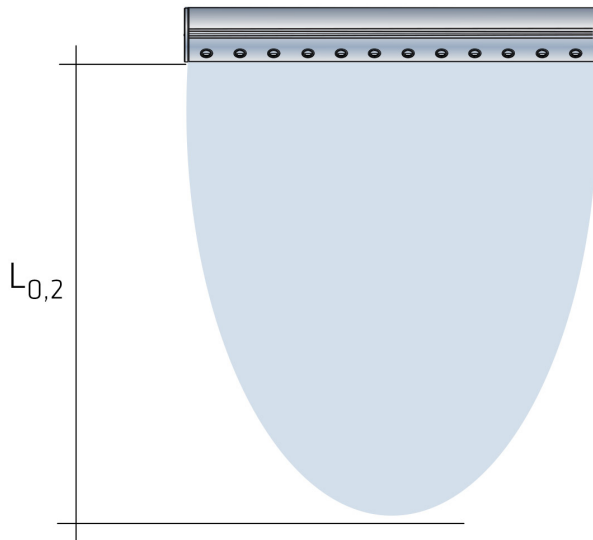


ROX 500

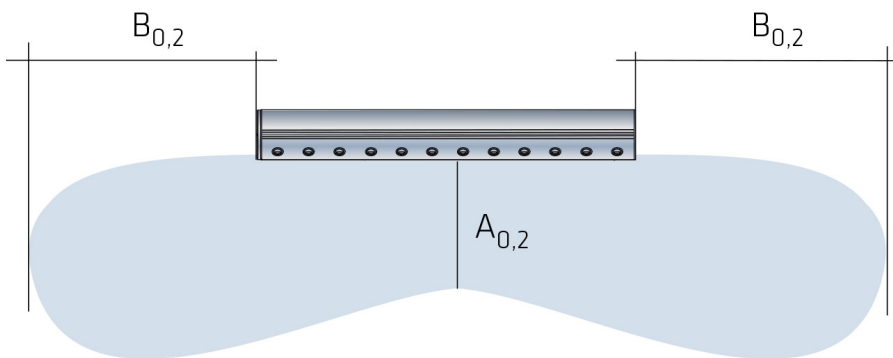


Throw patterns

Standard throw pattern $L_{0,2}$ (All nozzles are directed upwards)



Throw pattern when nozzles have been directed in 45° degree ja 90° degree angle

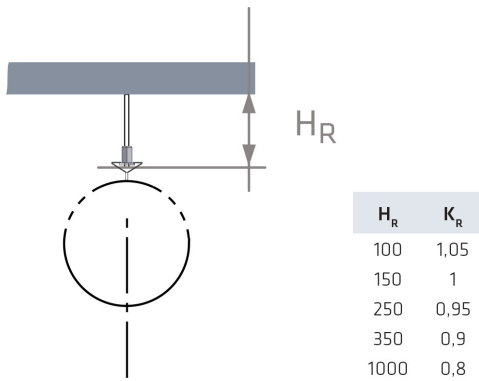


$$A_{0,2} = L_{0,2} \times 0,6$$

$$B_{0,2} = L_{0,2} \times 0,8$$

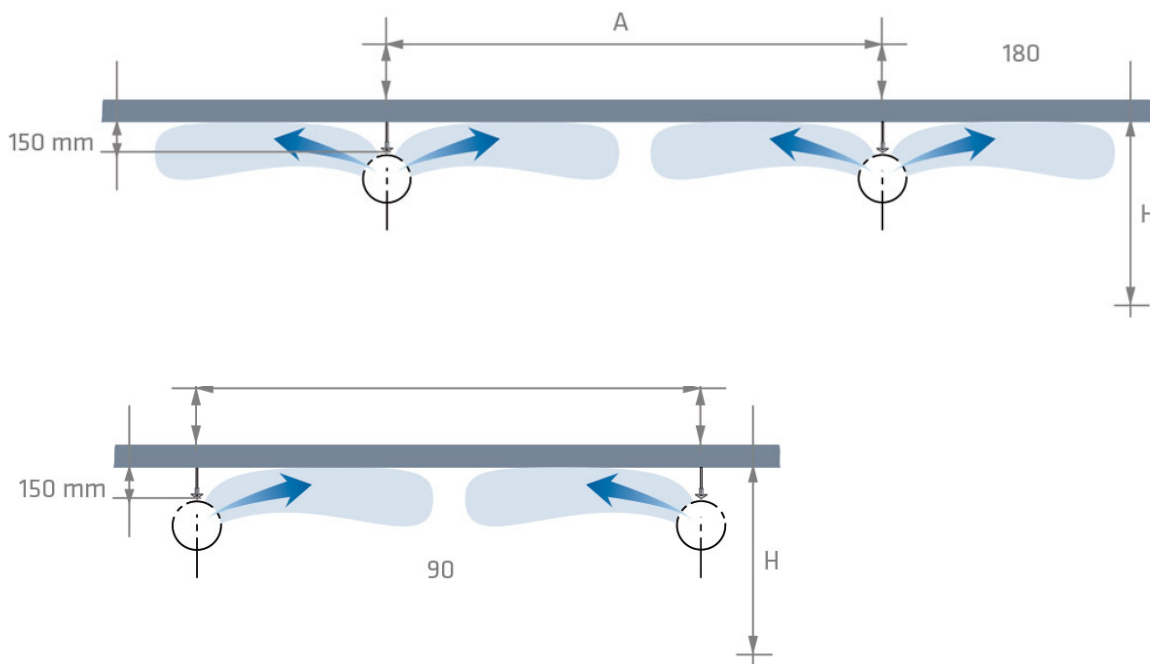
Throw patterns

The implications of the installation height (from the ceiling) to throw lenght



$$L_{0,2KR} = L_{0,2} \times K_R$$

Installation distances



A = minimum installation distance

H < 3,5 m

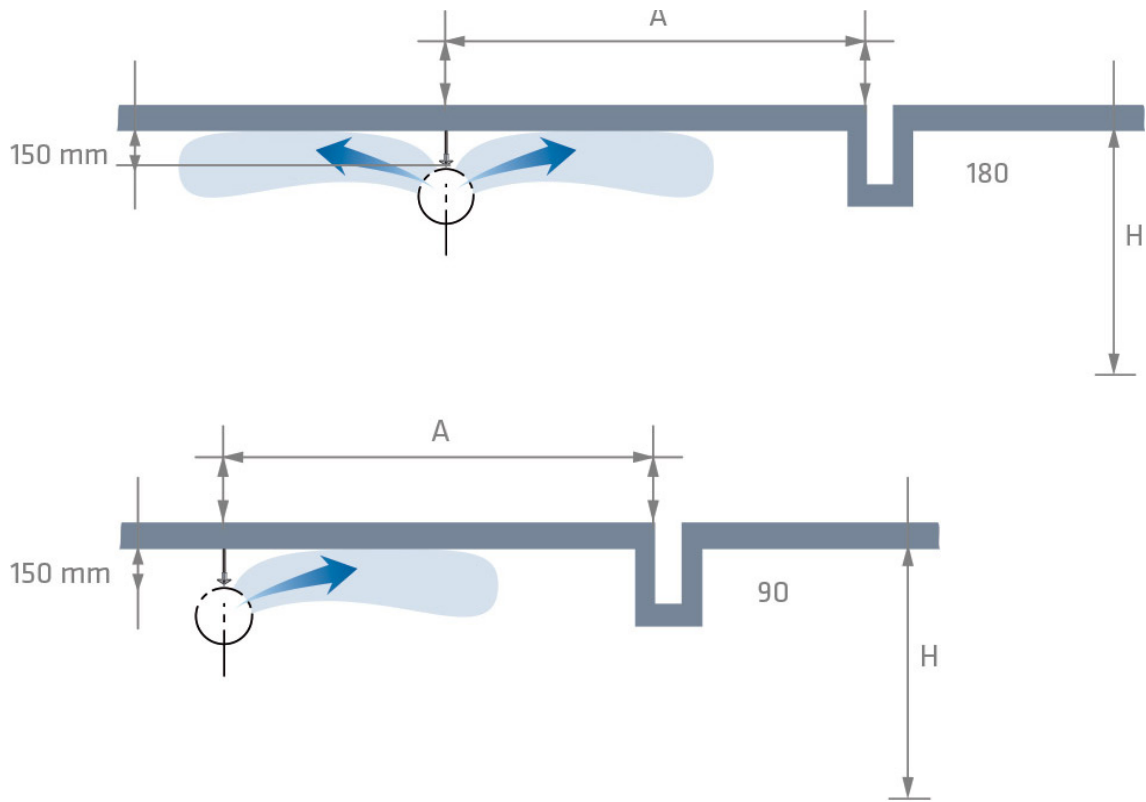
A = 2 x (L_{0,2} x 0,7)

H > 3,5 m

A = 2 x (L_{0,2} x 0,6)

Throw patterns

Installation distance



A = minimum installation distance

$H < 3,5 \text{ m}$

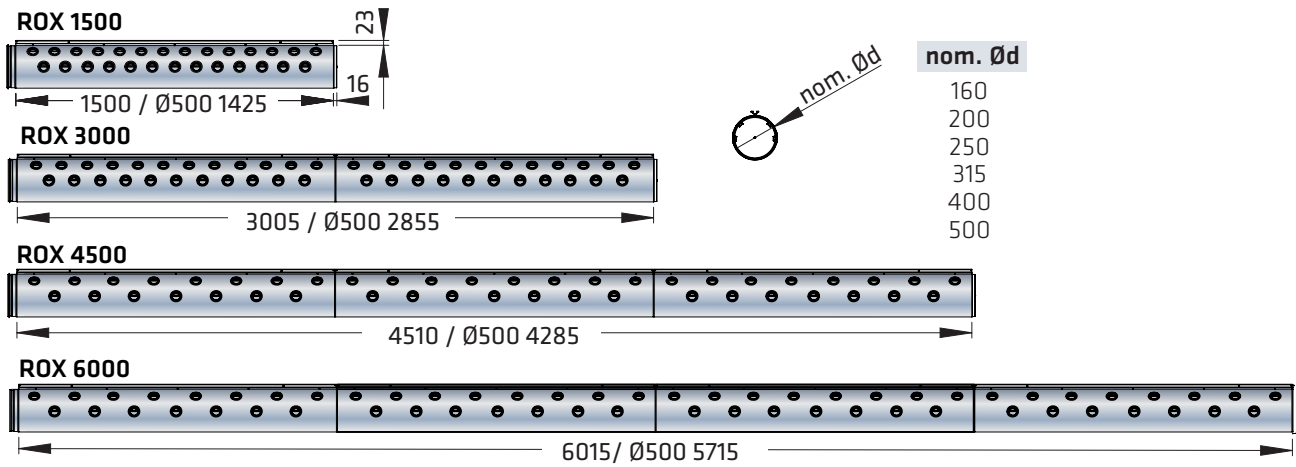
$A = L_{0,2} \times 0,8$

$H > 3,5 \text{ m}$

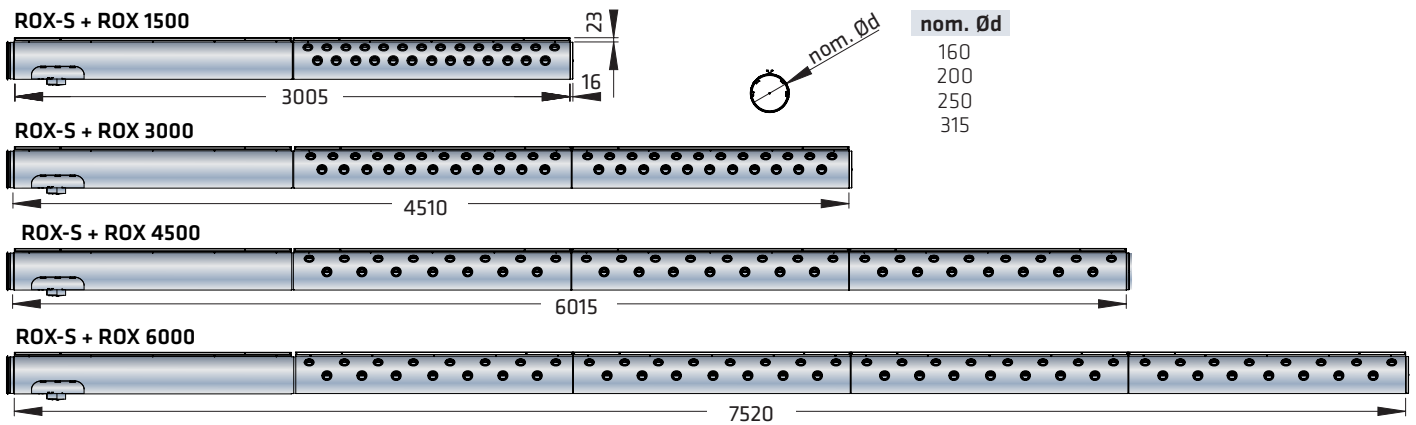
$A = L_{0,2} \times 0,7$

Dimensions

ROX

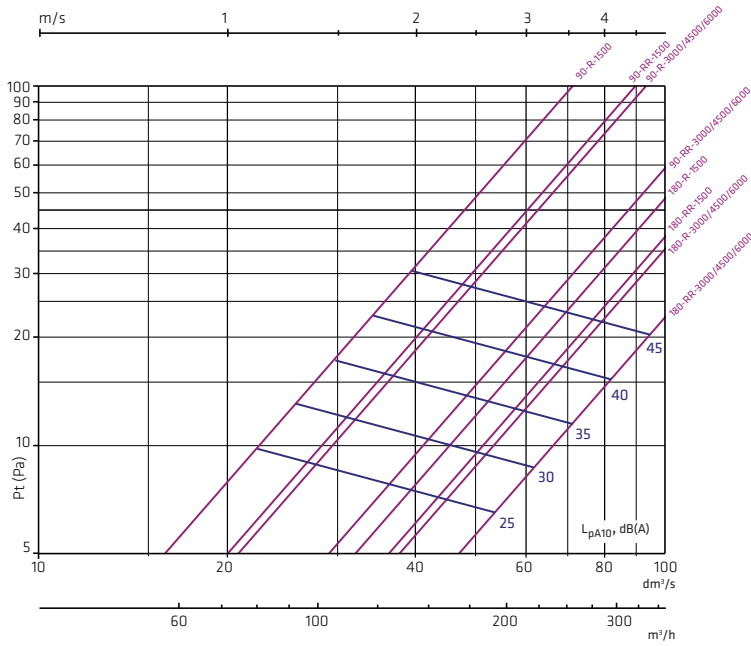


ROX-S



Dimensioning

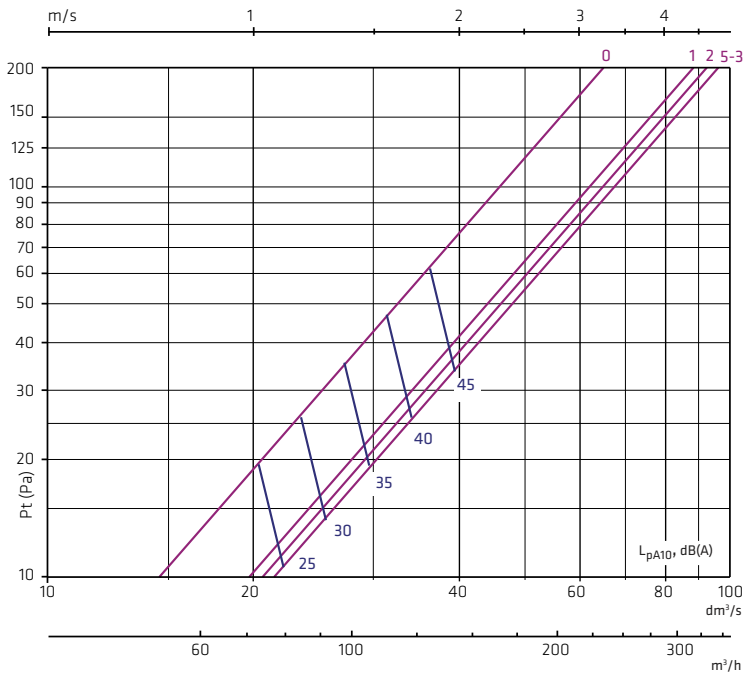
ROX 160



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	-3	-2	5	5	-8	-17	-23	-27
ΔL (dB)								
Dt, dB	18	11	7	1	3	4	5	6

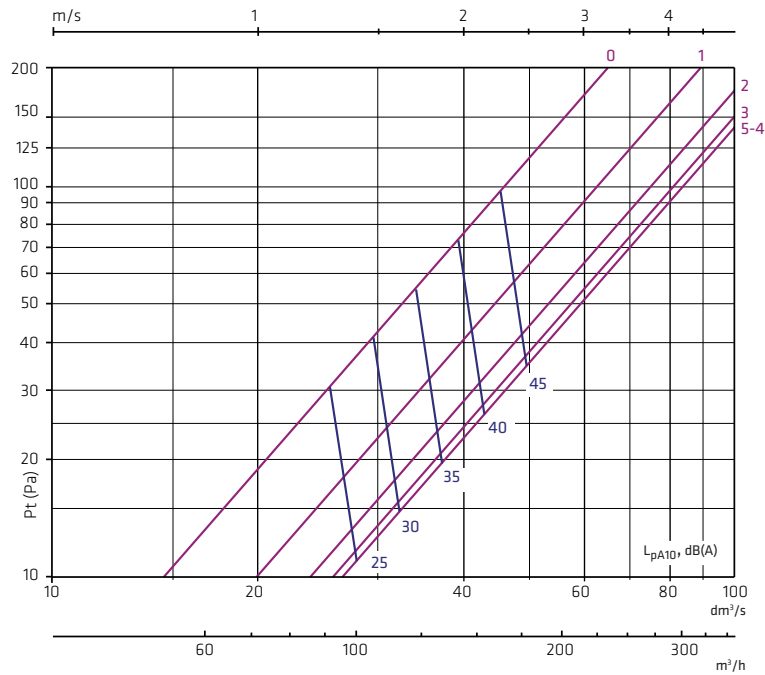
ROX-S + ROX 160-90-R-1500



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	-1	1	6	5	-8	-17	-23	-27
ΔL (dB)								
Dt, dB	21	16	12	11	20	29	27	22

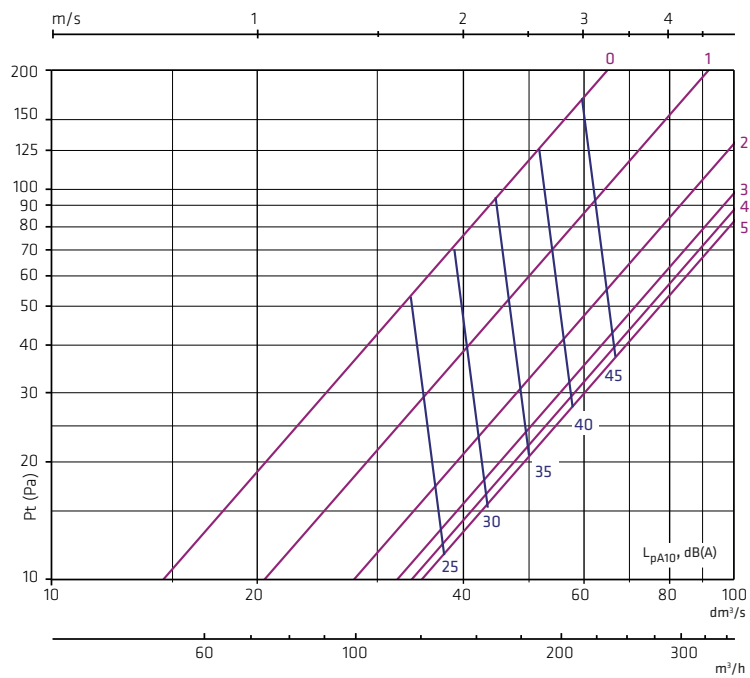
ROX-S + ROX 160-90-RR-1500
ROX-S + ROX 160-90-R-3000/4500/6000



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	-1	1	6	5	-8	-17	-23	-27
ΔL (dB)								
Dt, dB	21	16	12	11	20	29	27	22

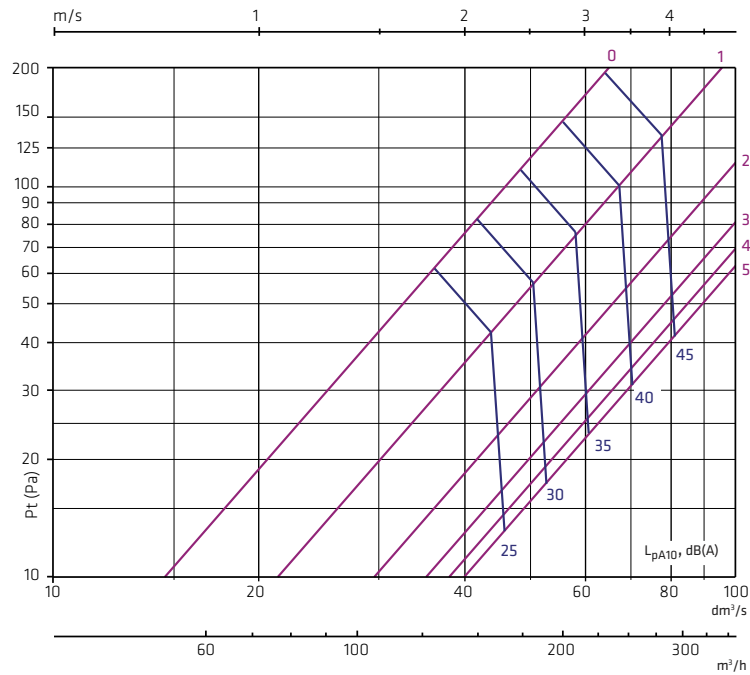
ROX-S + ROX 160-90-RR-3000/4500/6000
ROX-S + ROX 160-180-R-1500



$L_{w\text{okt}} = L_{pA10} + K$

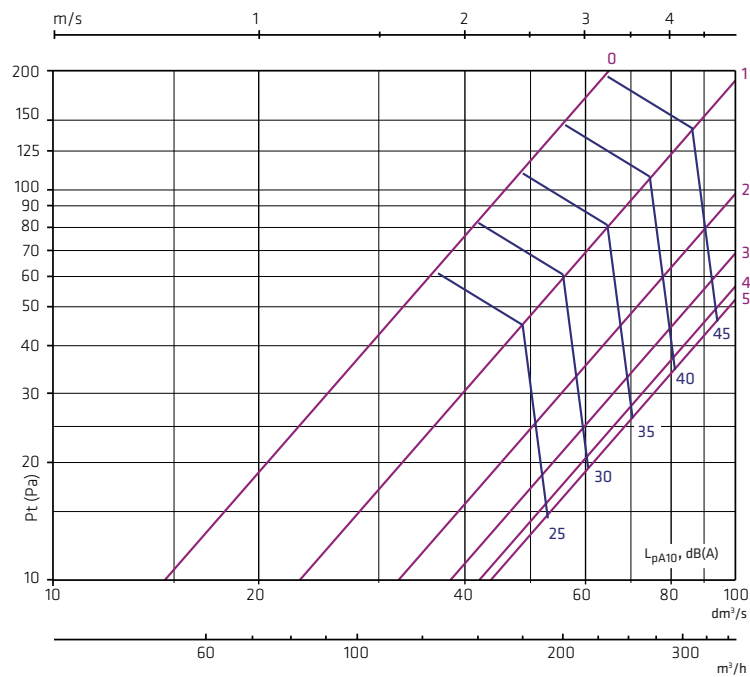
f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	-1	1	6	5	-8	-17	-23	-27
ΔL (dB)								
Dt, dB	21	16	12	11	20	29	27	22

ROX-S + ROX 160-180-R-3000/4500/6000
ROX-S + ROX 160-180-RR-1500



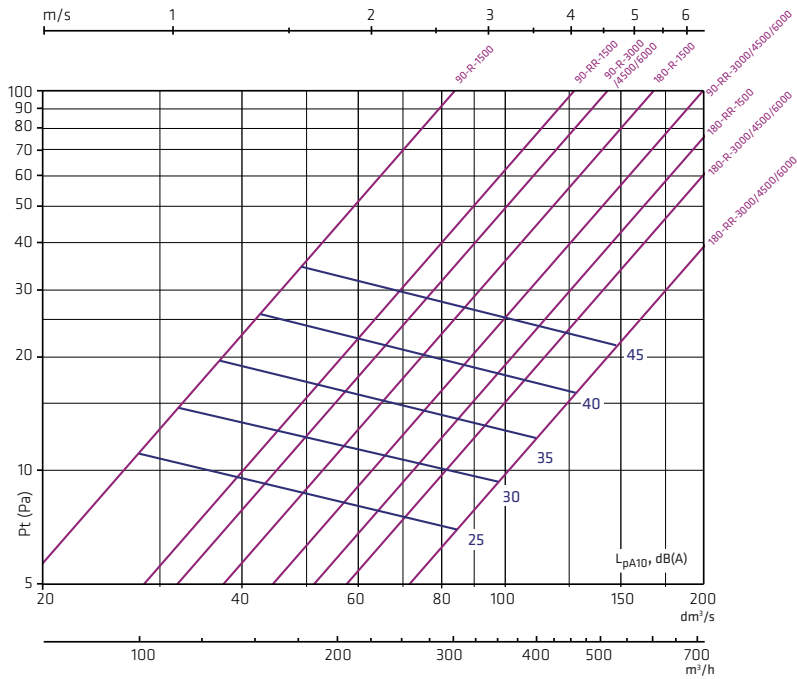
$L_{w\text{okt}} = L_{pA10} + K$								
f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	-1	1	6	5	-8	-17	-23	-27
ΔL (dB)								
Dt, dB	21	16	12	11	20	29	27	22

ROX-S + ROX 160-180-RR-3000/4500/6000



$L_{w\text{okt}} = L_{pA10} + K$								
f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	-1	1	6	5	-8	-17	-23	-27
ΔL (dB)								
Dt, dB	21	16	12	11	20	29	27	22

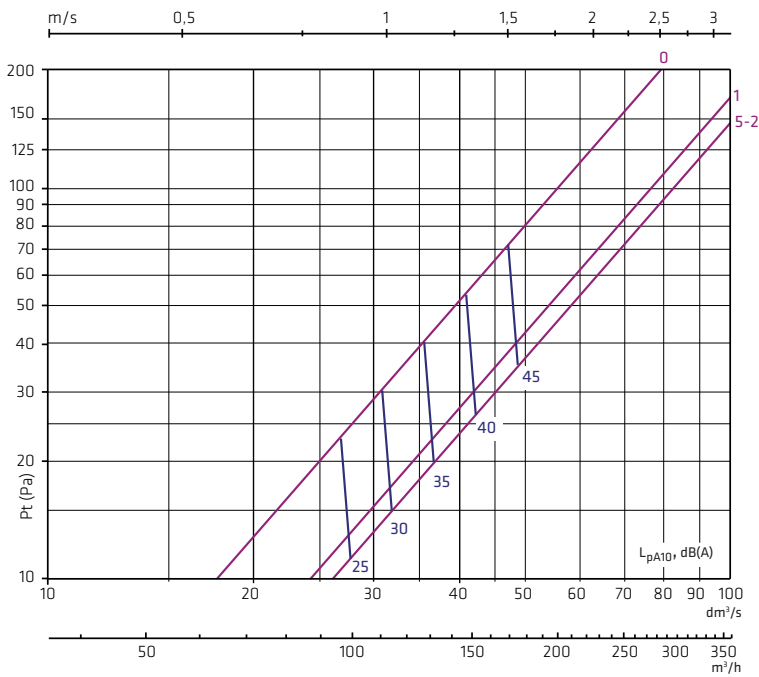
ROX 200



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	-1	-3	7	4	-8	-19	-27	-30
ΔL (dB)								
Dt, dB	16	11	3	-1	1	3	3	5

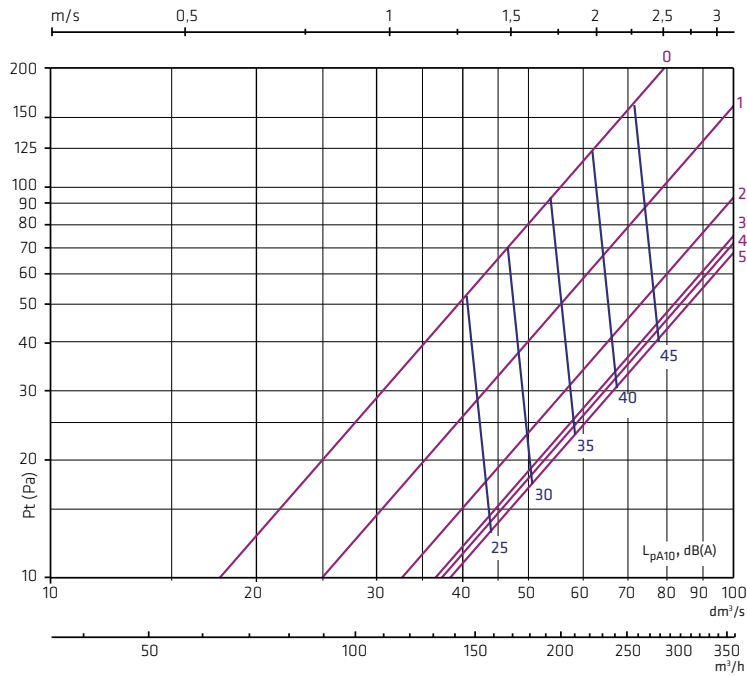
ROX-S + ROX 200-90-R-1500



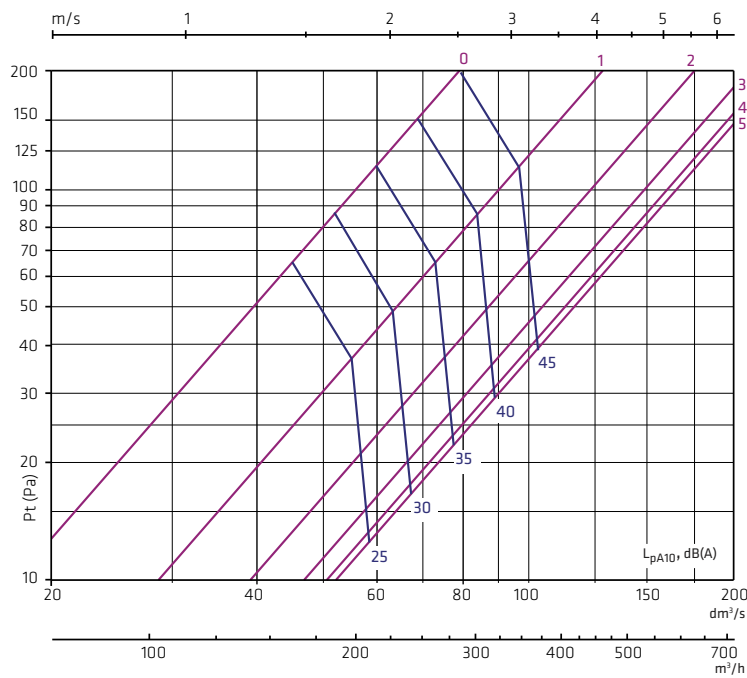
$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	0	3	8	4	-8	-17	-18	-22
ΔL (dB)								
Dt, dB	19	14	7	7	18	25	24	17

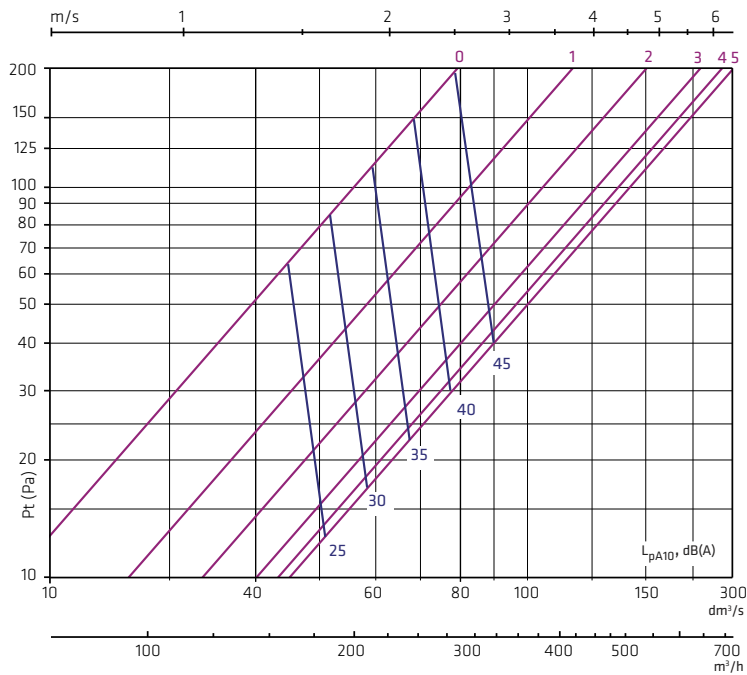
ROX-S + ROX 200-90-RR-1500
ROX-S + ROX 200-90-R-3000/4500/6000



ROX-S + ROX 200-90-RR-3000/4500/6000



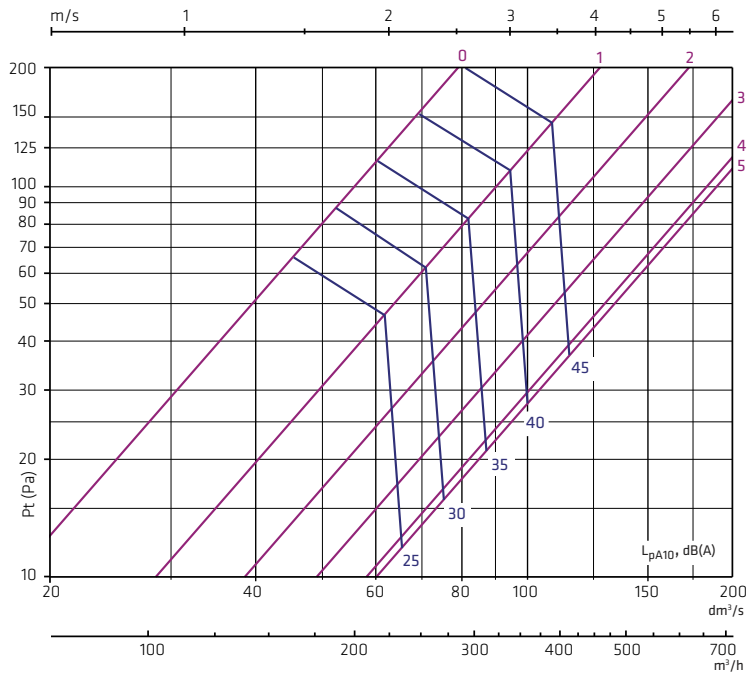
ROX-S + ROX 200-180-R-1500



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	0	3	8	4	-8	.17	-18	-22
ΔL (dB)								
Dt, dB	19	14	7	7	18	25	24	17

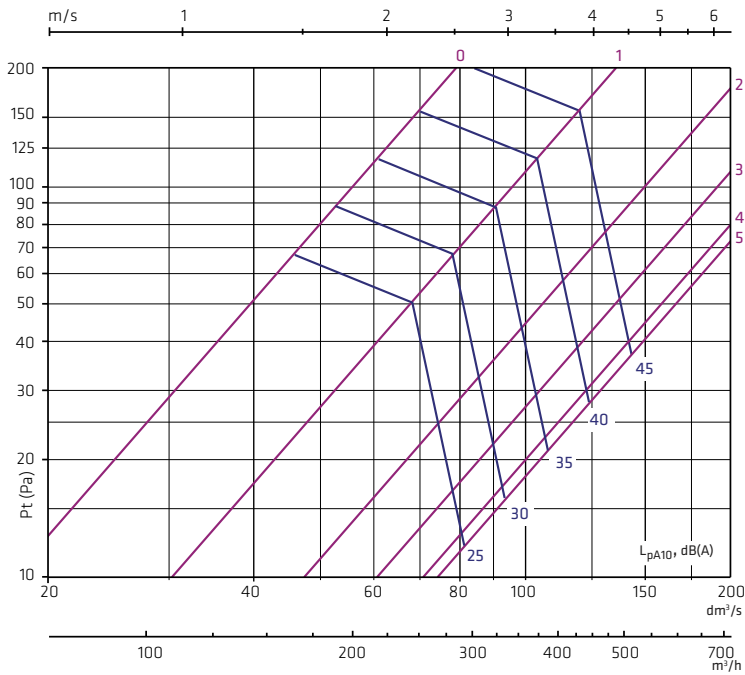
ROX-S + ROX 200-180-RR-1500
ROX-S + ROX 200-180-R-3000/4500/6000



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	3	3	6	4	-6	-15	-23	-28
ΔL (dB)								
Dt, dB	17	13	7	6	16	22	20	15

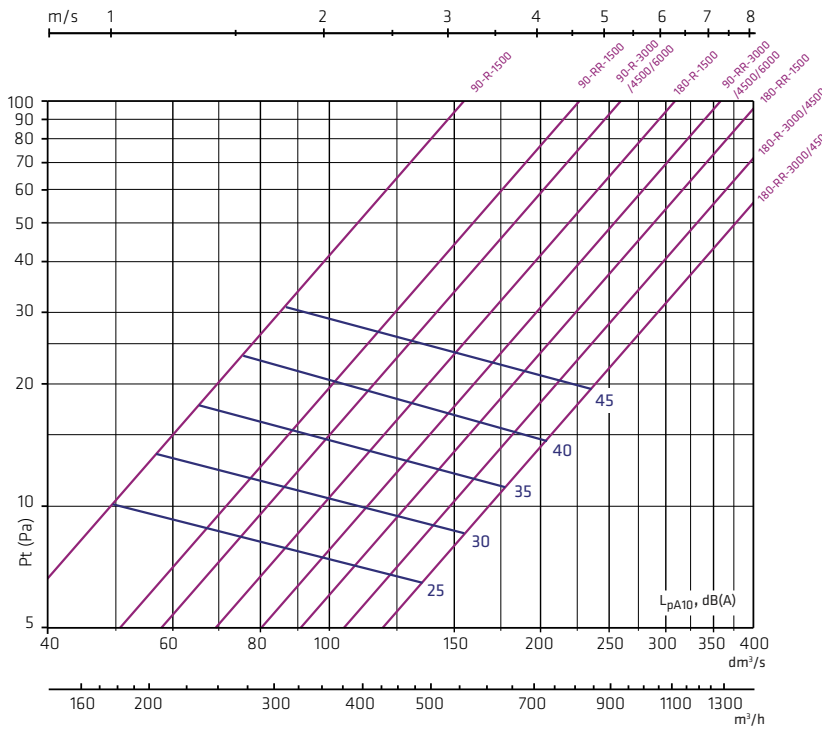
ROX-S + ROX 200-180-RR-3000/4500/6000



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	0	3	8	4	-8	-17	-18	-22
ΔL (dB)								
Dt, dB	19	14	7	7	18	25	24	17

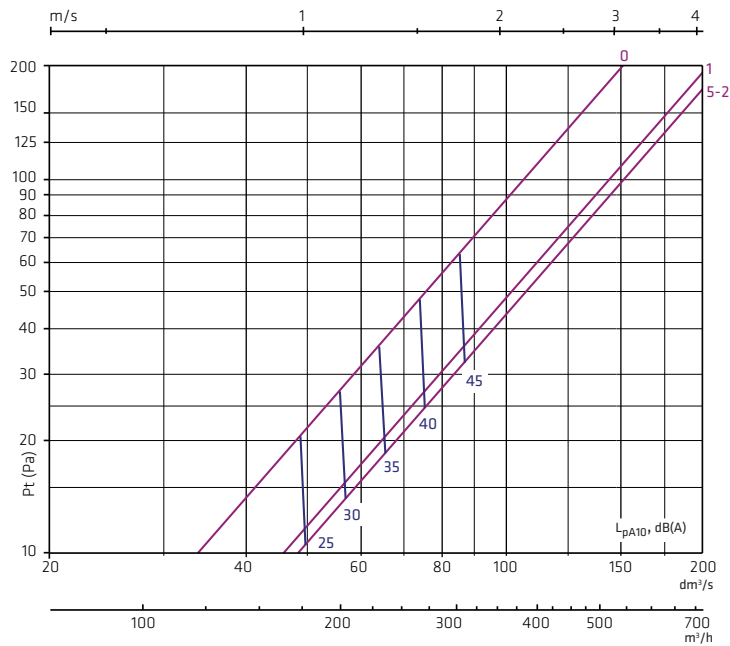
ROX 250



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	1	-1	6	5	-7	-17	-27	-32
ΔL (dB)								
Dt, dB	14	9	3	-1	0	2	3	3

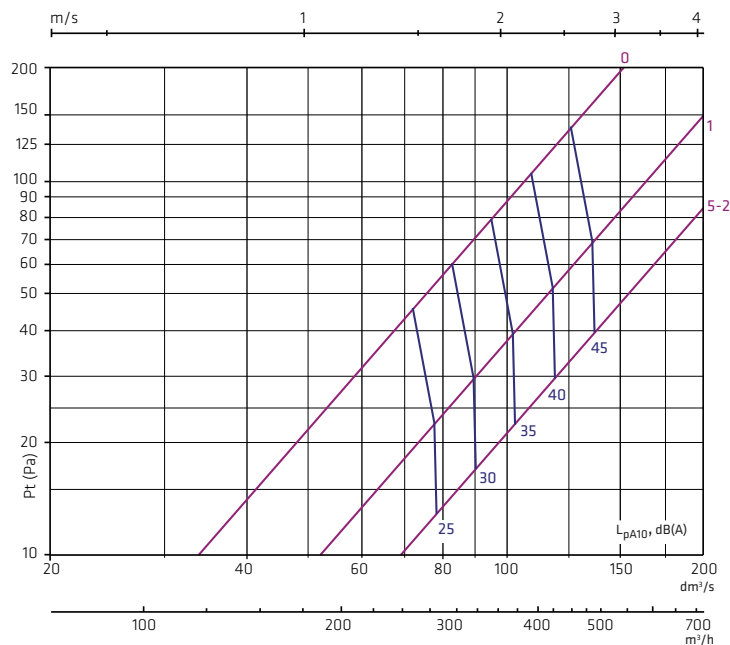
ROX-S + ROX 250-90-R-1500



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	3	3	6	4	-6	-15	-23	-28
ΔL (dB)								
Dt, dB	17	13	7	6	16	22	20	15

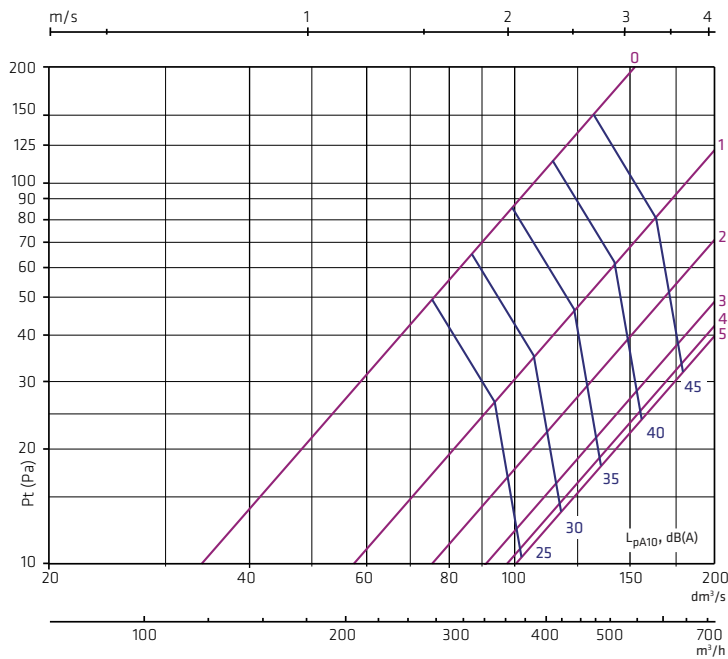
ROX-S + ROX 250-90-RR-1500
ROX-S + ROX 250-90-R-3000/4500/6000



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	3	3	6	4	-6	-15	-23	-28
ΔL (dB)								
Dt, dB	17	13	7	6	16	22	20	15

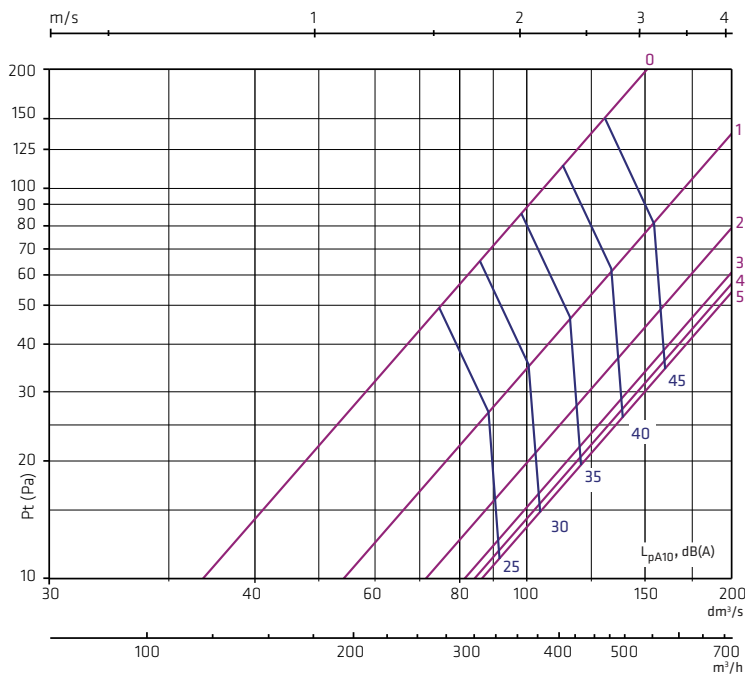
ROX-S + ROX 250-90-RR-3000/4500/6000



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	3	3	6	4	-6	-15	-23	-28
ΔL (dB)								
Dt, dB	17	13	7	6	16	22	20	15

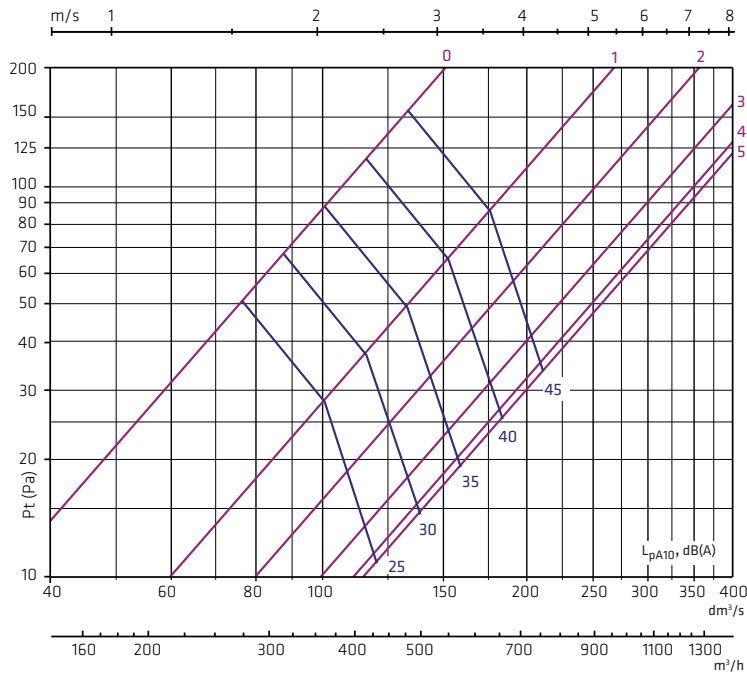
ROX-S + ROX 250-180-R-1500



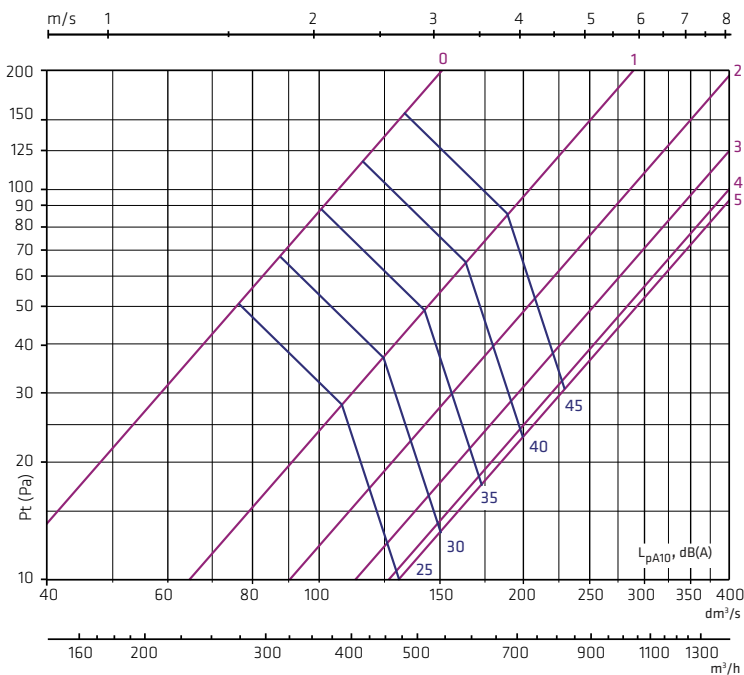
$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	3	3	6	4	-6	-15	-23	-28
ΔL (dB)								
Dt, dB	17	13	7	6	16	22	20	15

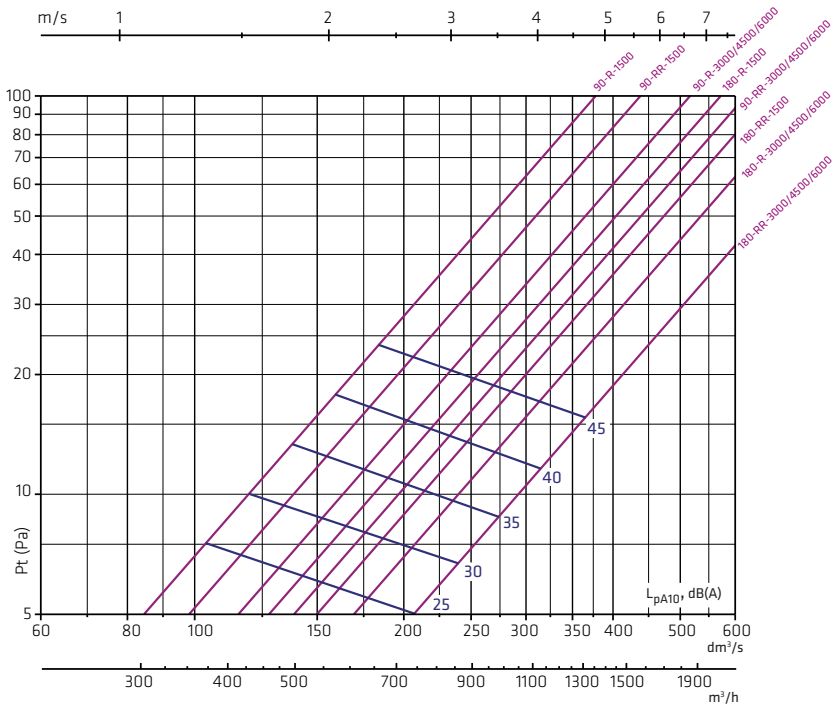
ROX-S + ROX 250-180-RR-1500
ROX-S + ROX 250-180-R-3000/4500/6000



ROX-S + ROX 250-180-RR-3000/4500/6000



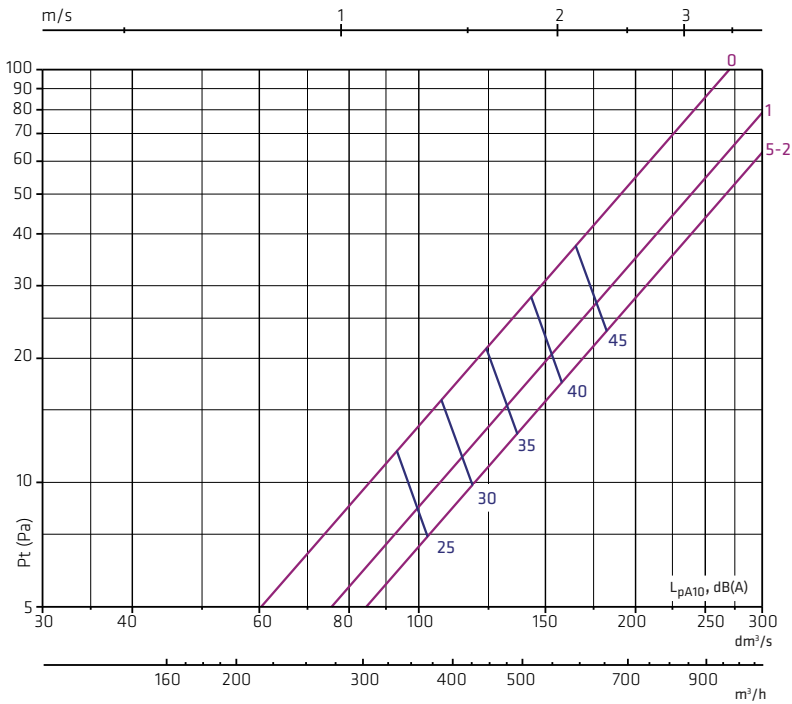
ROX 315



$L_{w_{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	3	1	9	2	-10	-17	-18	-22
ΔL (dB)								
Dt, dB	11	7	1	0	0	1	2	2

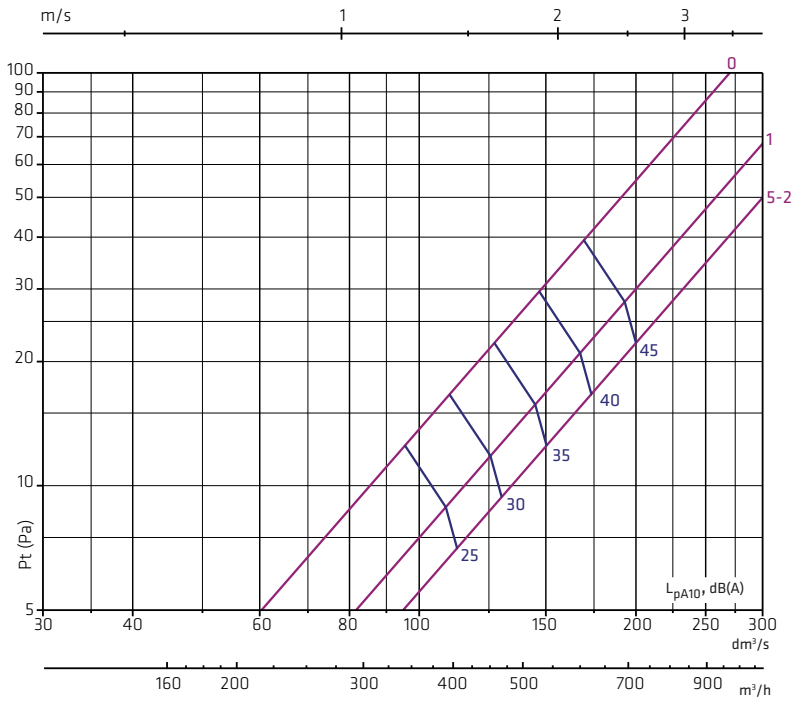
ROX-S + ROX 315-90-R-1500



$L_{w_{okt}} = L_{pA10} + K$

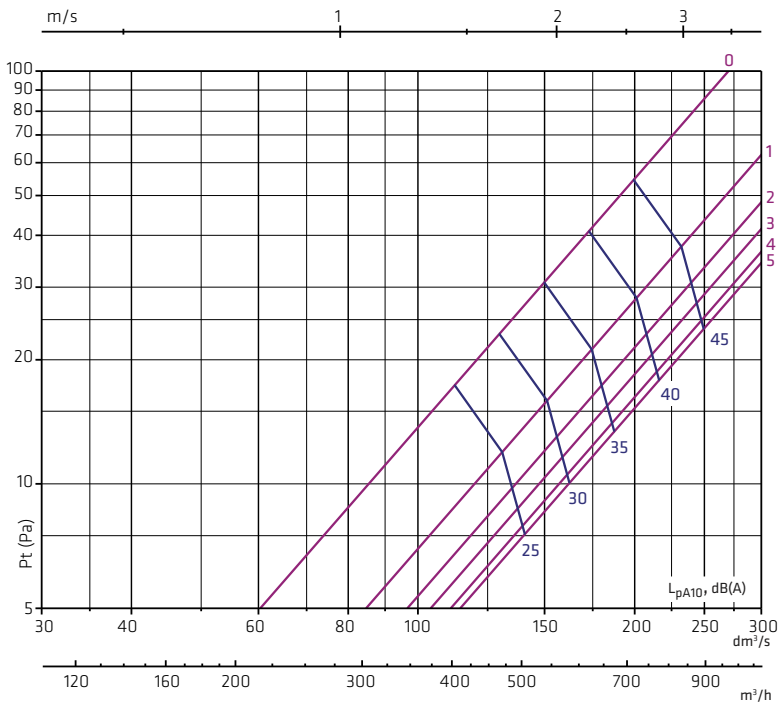
f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	4	0	7	3	-8	-15	-17	-21
ΔL (dB)								
Dt, dB	14	7	4	6	16	19	13	19

ROX-S + ROX 315-90-RR-1500



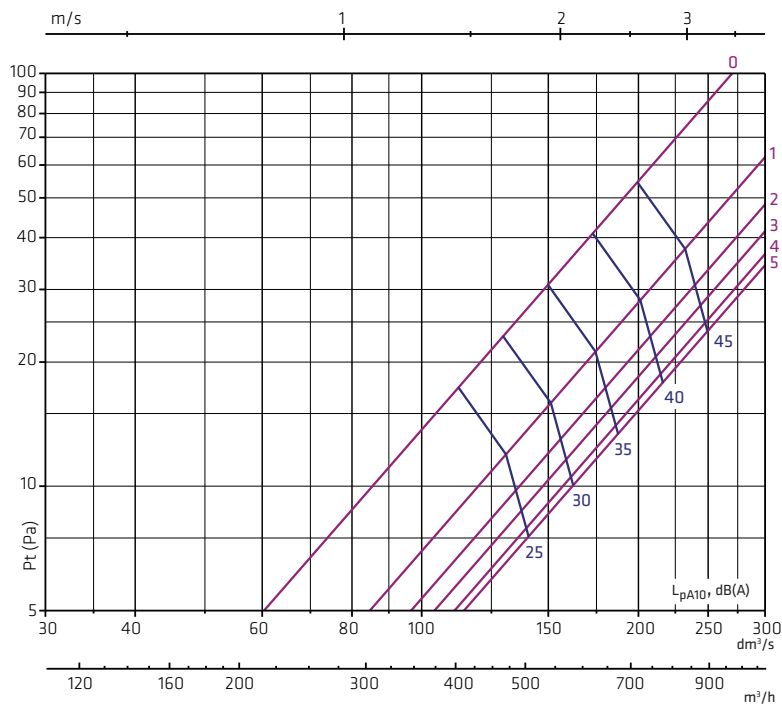
$L_{w\text{okt}} = L_{pA10} + K$								
f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	4	0	7	3	-8	-15	-17	-21
ΔL (dB)								
Dt, dB	14	7	4	6	16	19	13	19

ROX-S + ROX 315-180-R-1500
ROX-S + ROX 315-90-R-3000/4500/6000



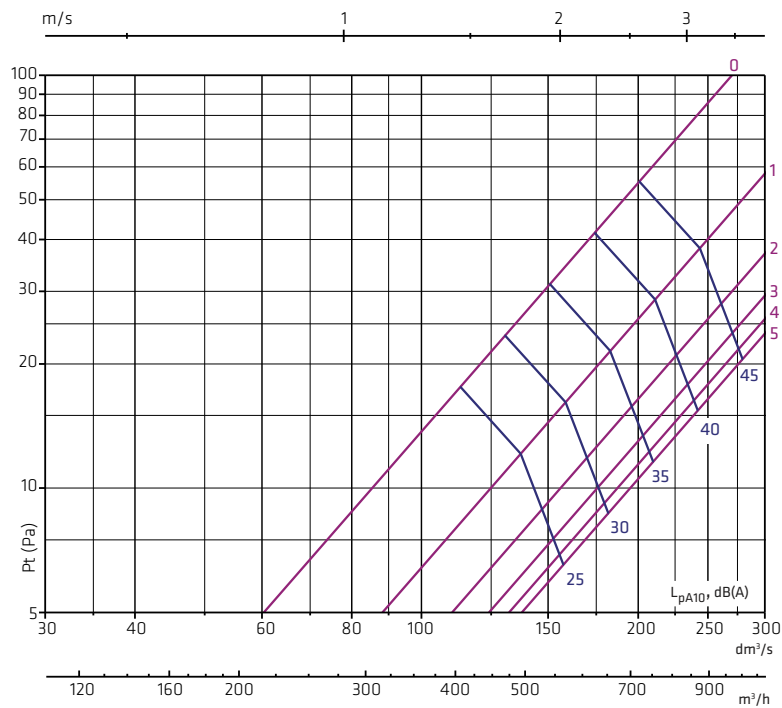
$L_{w\text{okt}} = L_{pA10} + K$								
f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	4	0	7	3	-8	-15	-17	-21
ΔL (dB)								
Dt, dB	14	7	4	6	16	19	13	19

ROX-S + ROX 315-180-R-3000/4500/6000



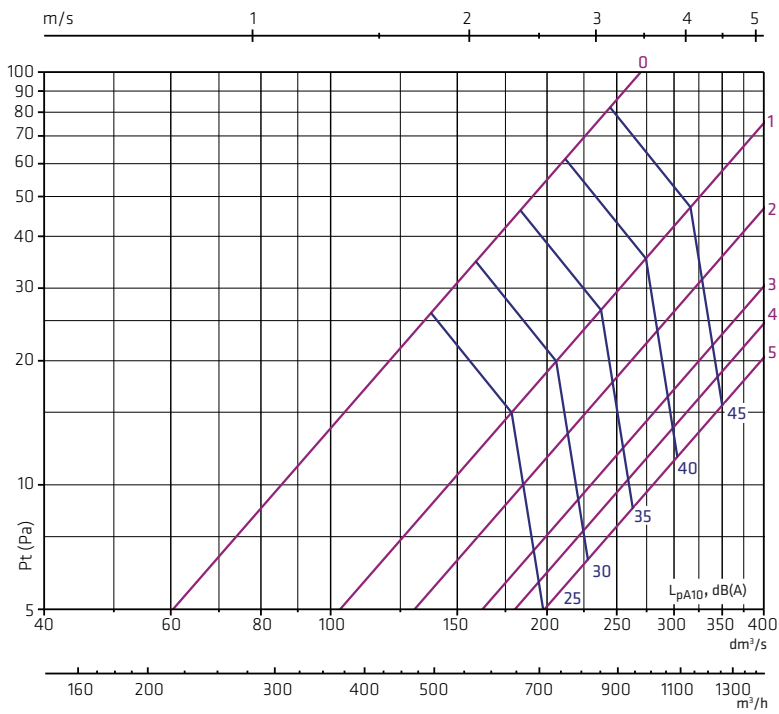
$L_{w\text{okt}} = L_{pA10} + K$								
f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	4	0	7	3	-8	-15	-17	-21
ΔL (dB)								
Dt, dB	14	7	4	6	16	19	13	19

ROX-S + ROX 315-180-RR-1500
ROX-S + ROX 315-90-RR-3000/4500/6000



$L_{w\text{okt}} = L_{pA10} + K$								
f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	4	0	7	3	-8	-15	-17	-21
ΔL (dB)								
Dt, dB	14	7	4	6	16	19	13	19

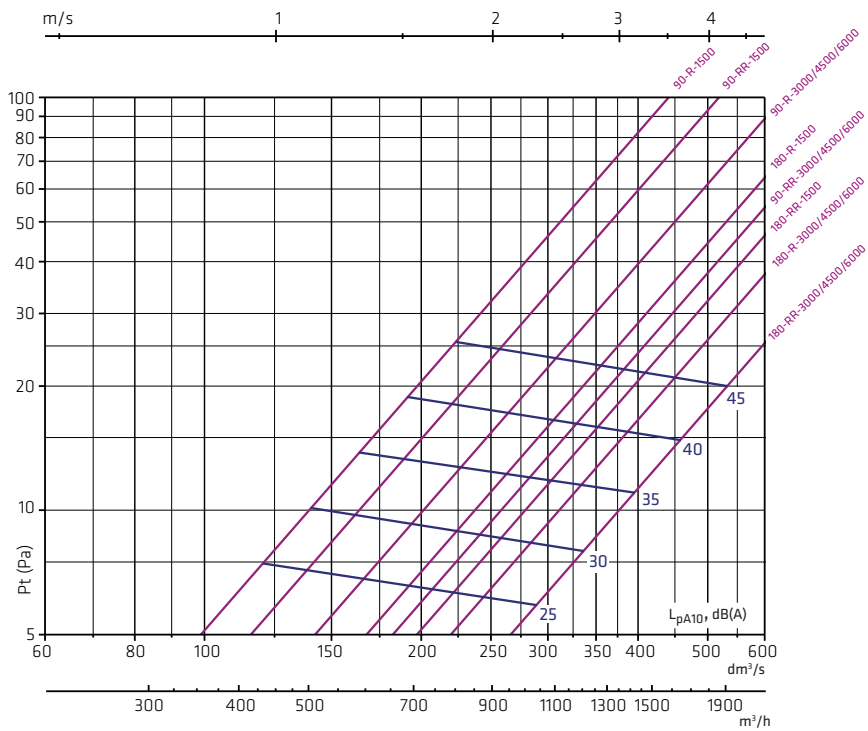
ROX-S + ROX 315-180-RR-3000/4500/6000



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	4	0	7	3	-8	-15	-17	-21
ΔL (dB)								
Dt, dB	14	7	4	6	16	19	13	19

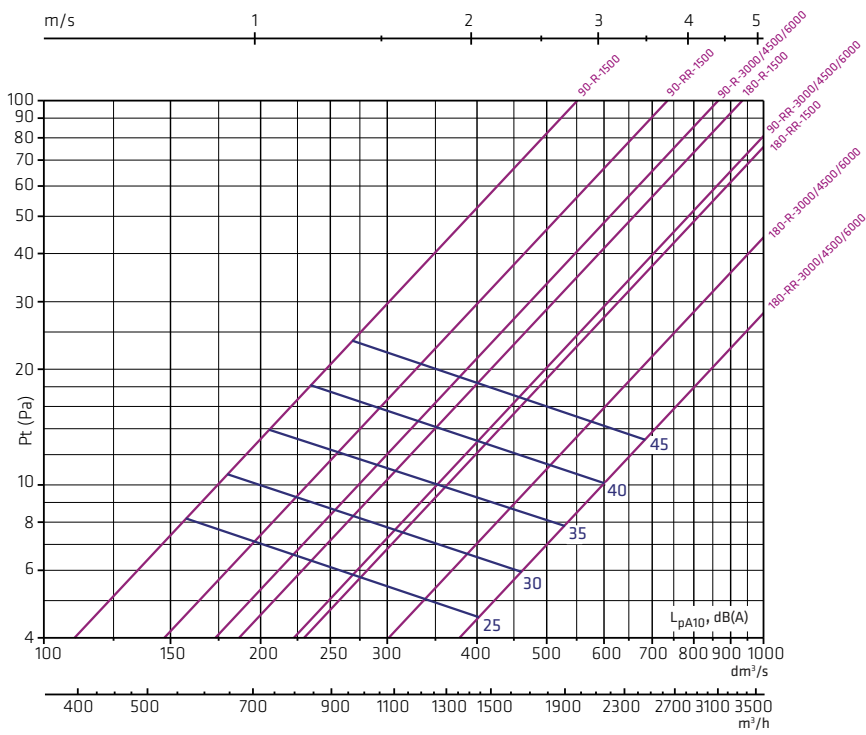
ROX 400



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	3	2	9	1	-8	-15	-12	-13
ΔL (dB)								
Dt, dB	8	5	1	1	0	2	2	3

ROX 500



$L_{w\text{okt}} = L_{pA10} + K$

f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	4	4	7	3	-7	-15	-17	-21
ΔL (dB)								
Dt, dB	9	5	1	0	1	1	2	3