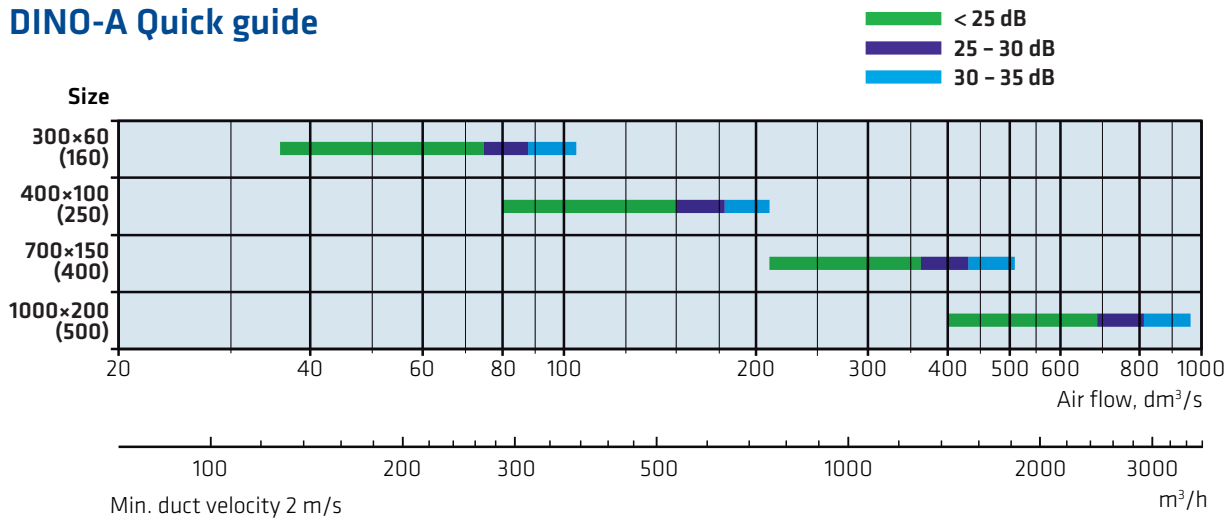


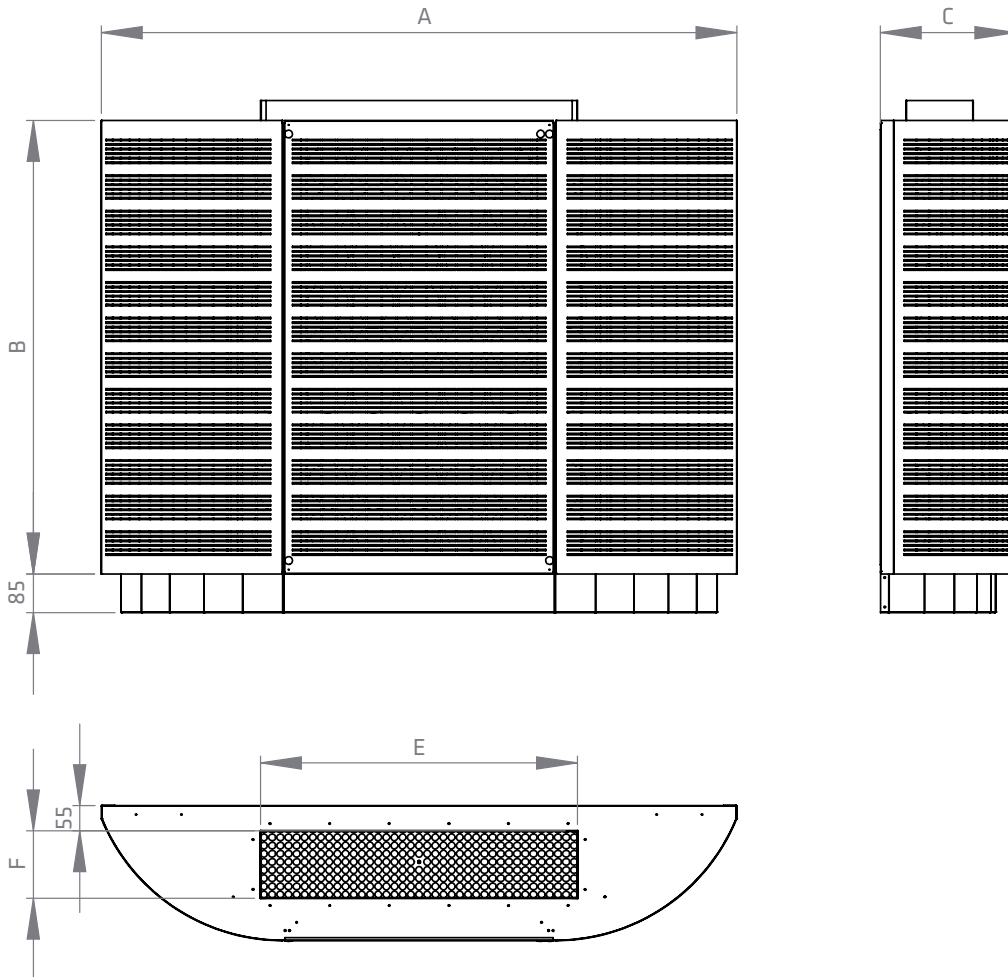
# Displacement diffuser DINO-A

## DINO-A Quick guide



# Displacement diffuser DINO-A

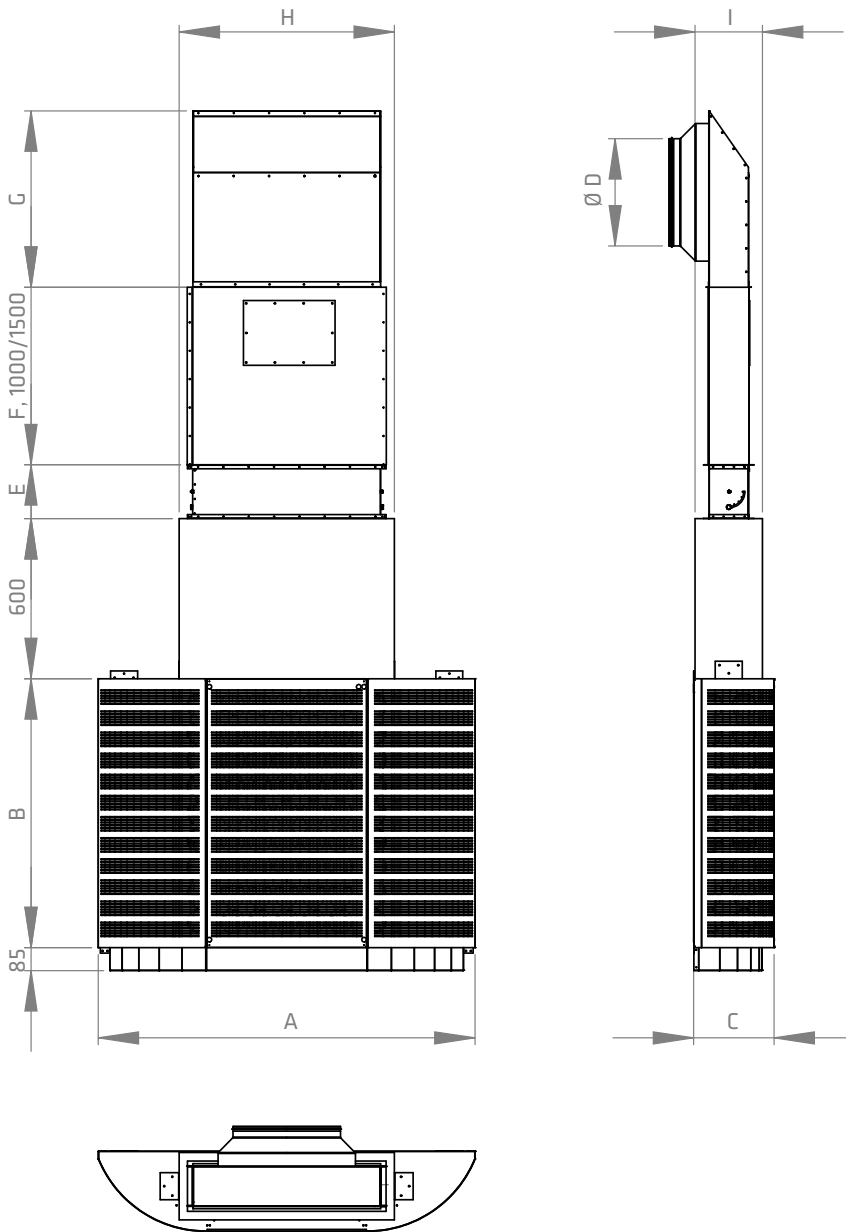
## Main dimensions



Size	A	B	C	E	F	Weight/kg
<b>300×60</b>	720	400	200	299	59	9,5
<b>400×100</b>	1000	600	250	399	99	17,5
<b>700×150</b>	1400	1000	300	699	149	35,5
<b>1000×200</b>	2000	1400	390	999	199	67

# Displacement diffuser DINO-A

## Main dimensions, duct parts

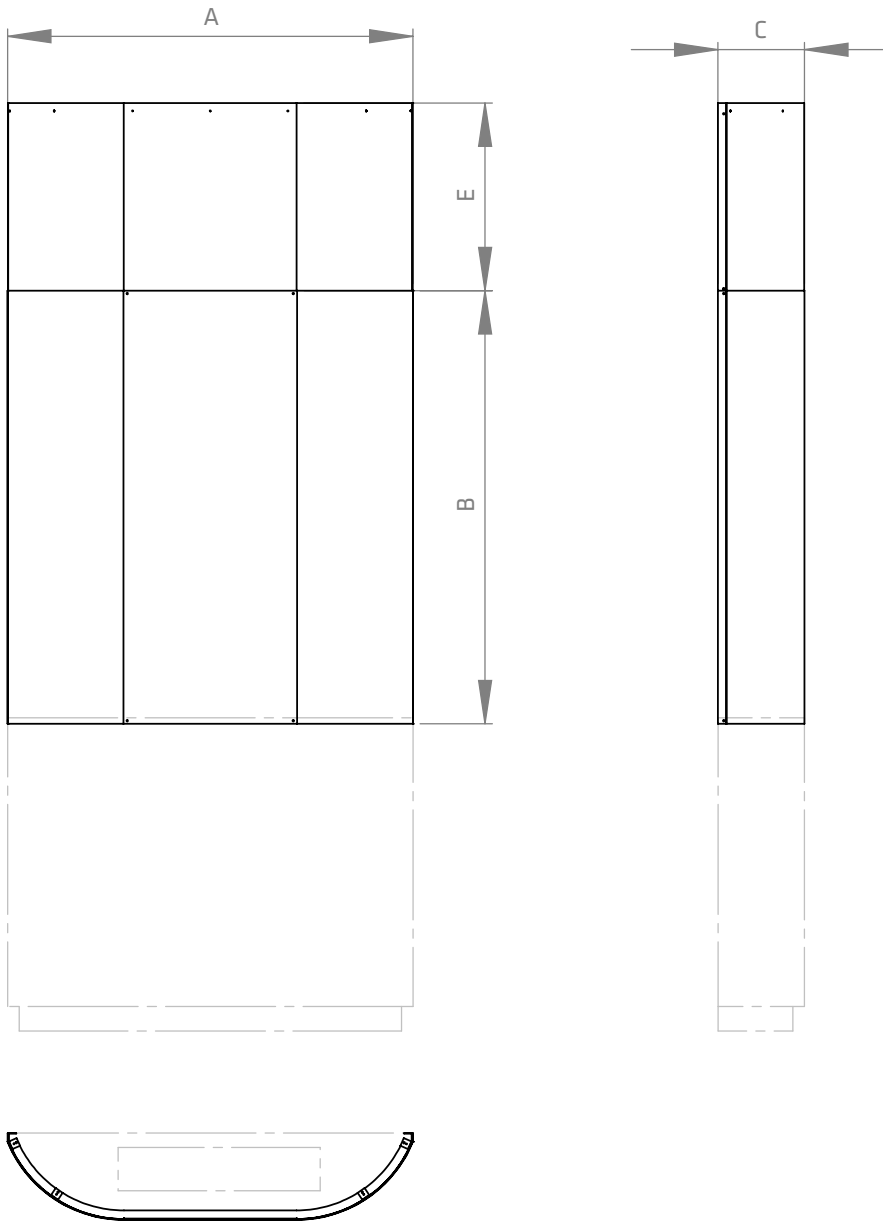


Size	A	B	C	ØD nom.	E	G	H	I	Weight/kg, F=1000	Weight/kg, F=1500
<b>300×60</b>	720	400	200	160	100	355	400	160	25,5	28
<b>400×100</b>	1000	600	250	250	150	470	500	200	40	43,5
<b>700×150</b>	1400	1000	300	400	200	655	800	250	72,5	78
<b>1000×200</b>	2000	1400	390	500	250	785	1100	300	118	125,5

Rectangular duct dimensions (F size) are standard delivery dimensions.  
 Rectangular duct is cut on site to suitable length.

# Displacement diffuser DINO-A

## Main dimensions, Duct cover



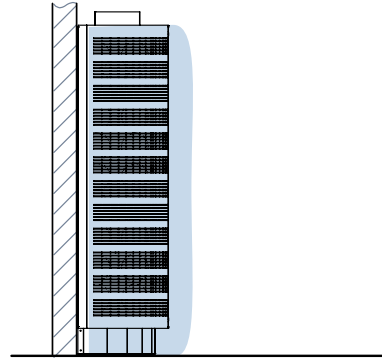
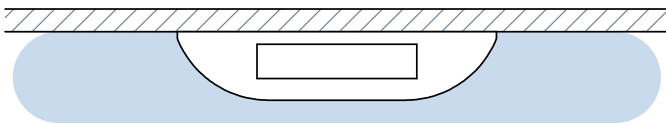
Size	A	B	C	E	Duct cover weight/kg	Ceiling height/mm
<b>300×60</b>	720	1935	200	400	20	2400-2800
<b>400×100</b>	1000	1735	250	400	19	2400-2800
<b>700×150</b>	1400	1485	300	650	30,5	2900-3200

Duct cover available also in different heights to order.

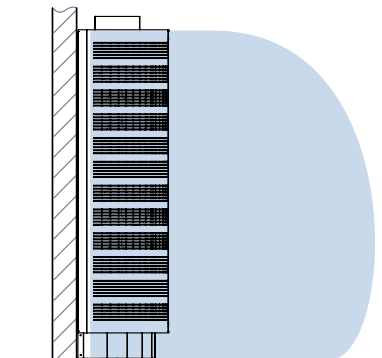
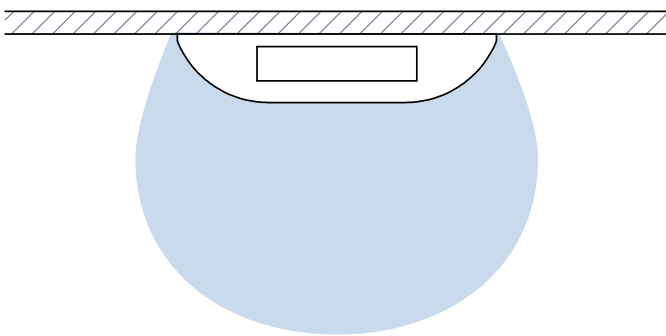
# Displacement diffuser DINO-A

DINO A throw pattern can be changed

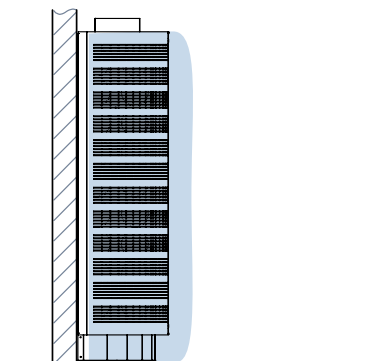
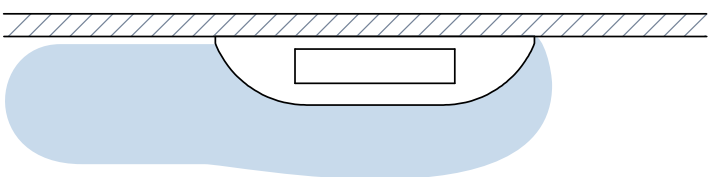
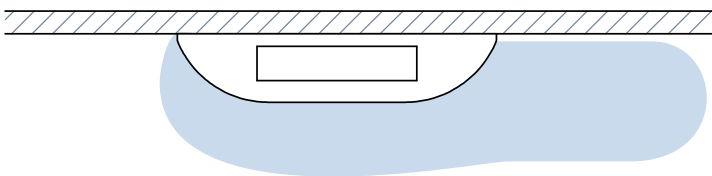
## Throw pattern directed to the sides



## Forward throw pattern

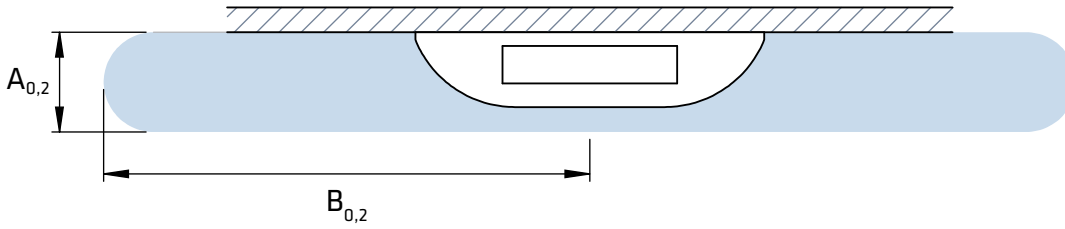


## Sideways throw pattern

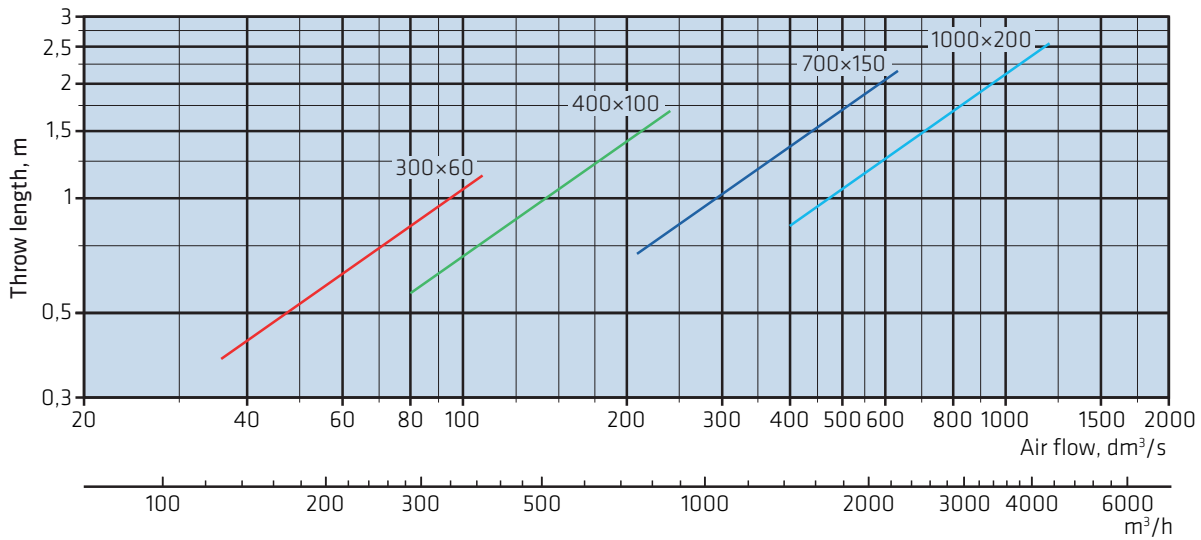


# Displacement diffuser DINO-A

## Throw pattern graphs

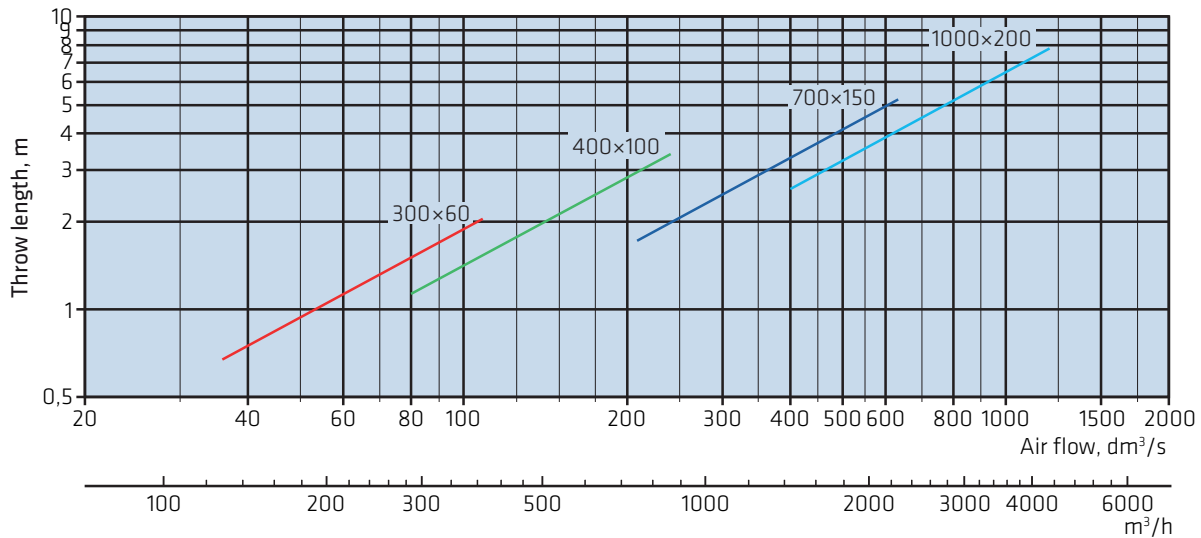


### DINO-A Affected area ( $L_{0,2m}$ ), direction A, $\Delta t=-3$ , Duct velocity 2-6 m/s



If  $\Delta t=0^\circ$ , dimensions reduced by approx. 15%

### DINO-A Affected area ( $L_{0,2m}$ ), direction B, $\Delta t=-3$ , Duct velocity 2-6 m/s



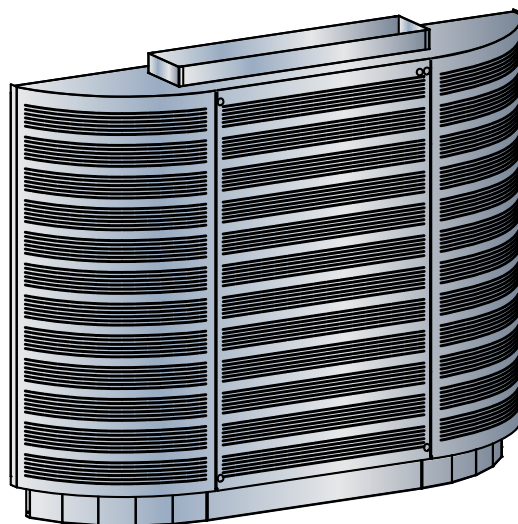
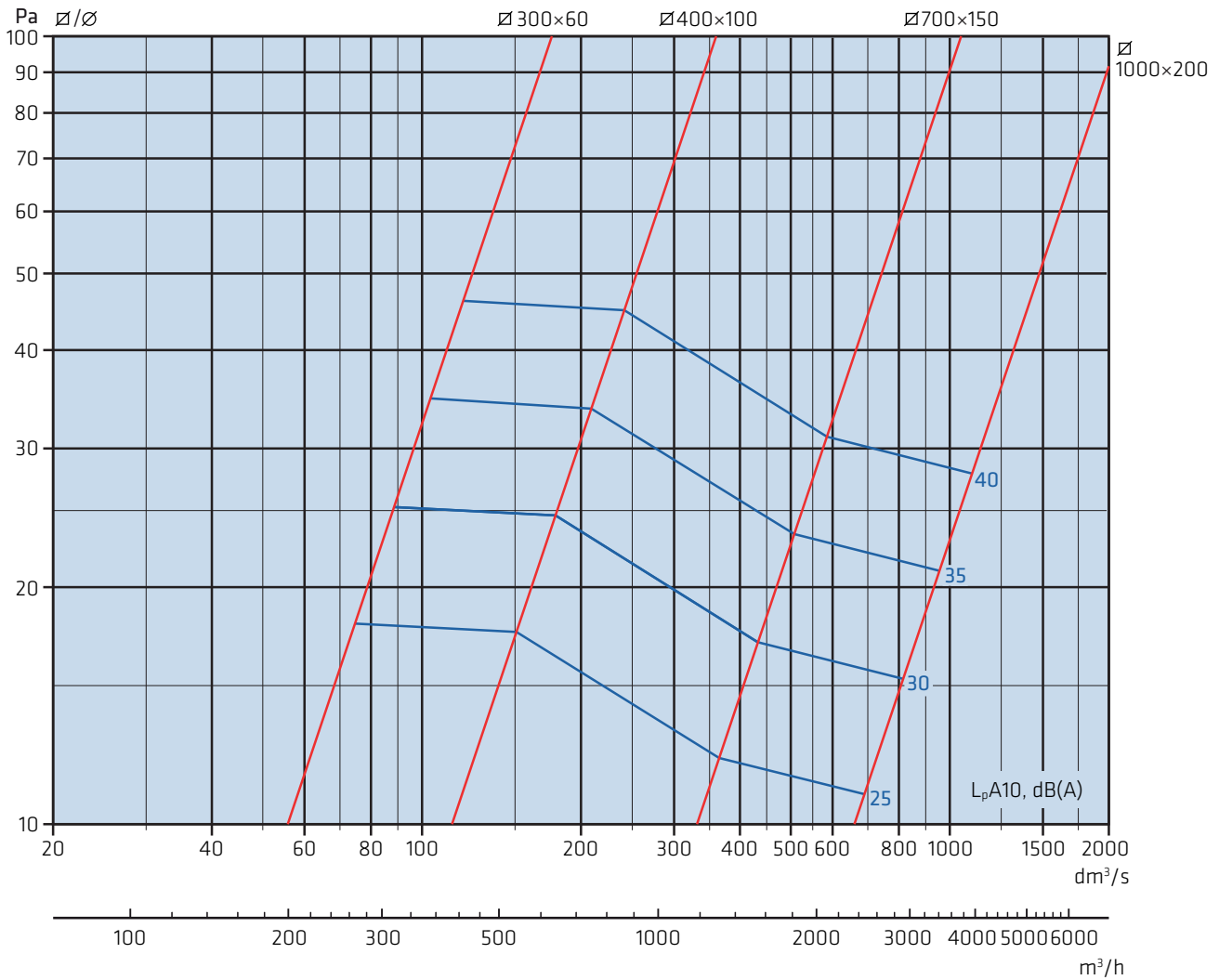
If  $\Delta t=0^\circ$ , dimensions reduced by approx. 15%

# Displacement diffuser DINO-A

## Dimensioning

The graphs are not intended for adjustment.

### DINO-A 300×60, 400×100, 700×150 ja 1000×200, Rectangular duct

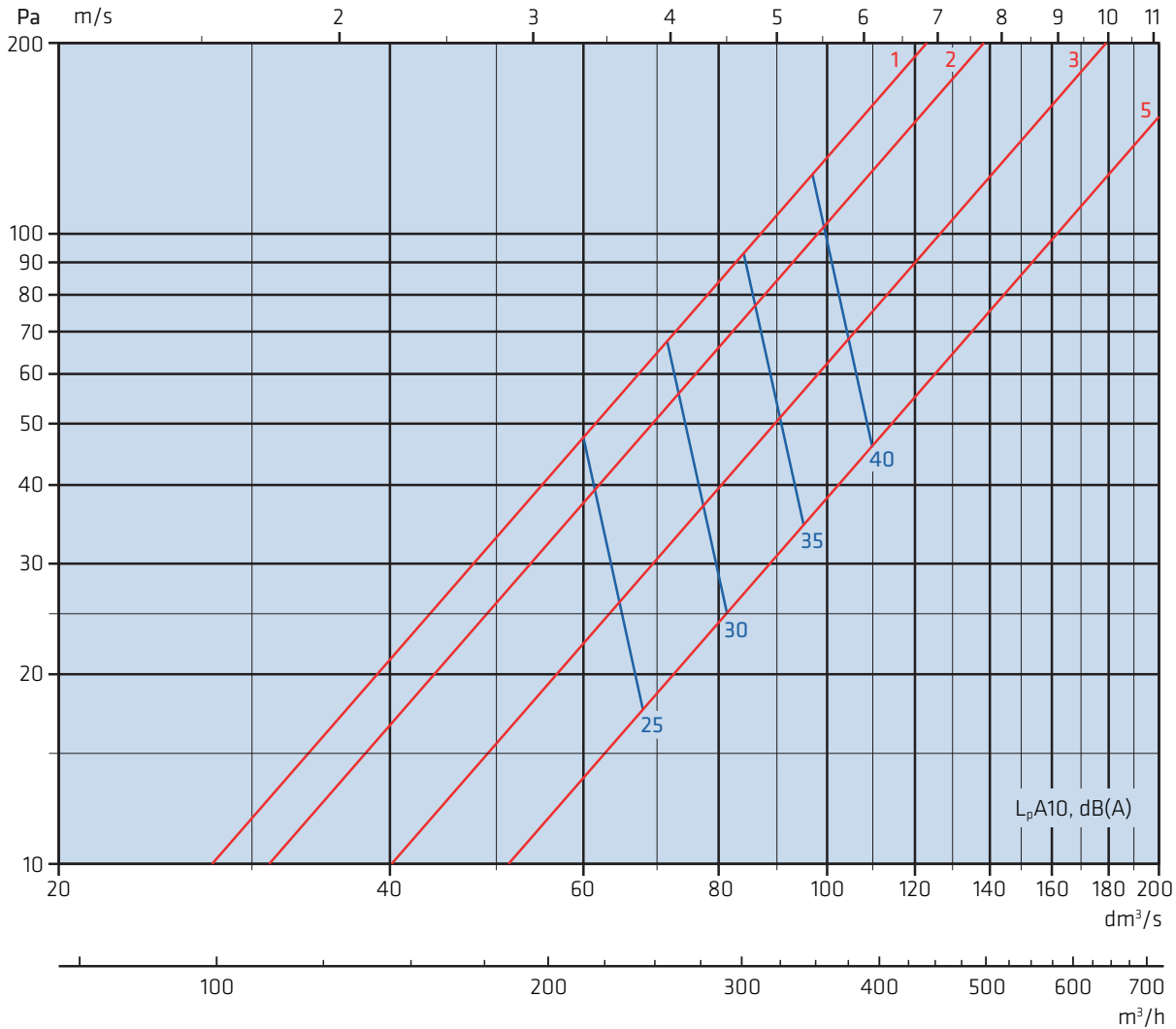


# Displacement diffuser DINO-A

## Dimensioning

The graphs are not intended for adjustment.

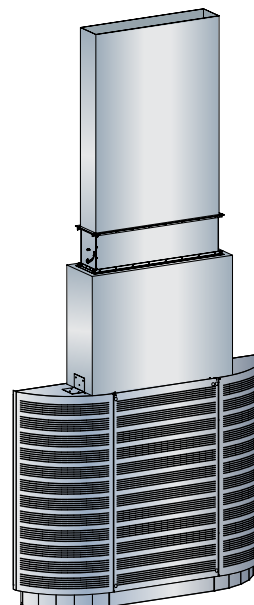
### DINO-A 300×60 + Damper + Sound attenuator, Rectangular duct



Sound power level		$L_{w\text{okt}} = L_{pA10} + K$							
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 300×60	K, dB	7	7	7	3	-4	-8	-16	-16

Sound attenuation									
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 300×60	$\Delta L$ , dB	15	10	6	1	2	5	5	6
DINO-A 300×60 + SA	$\Delta L$ , dB	13	13	11	14	18	19	22	19



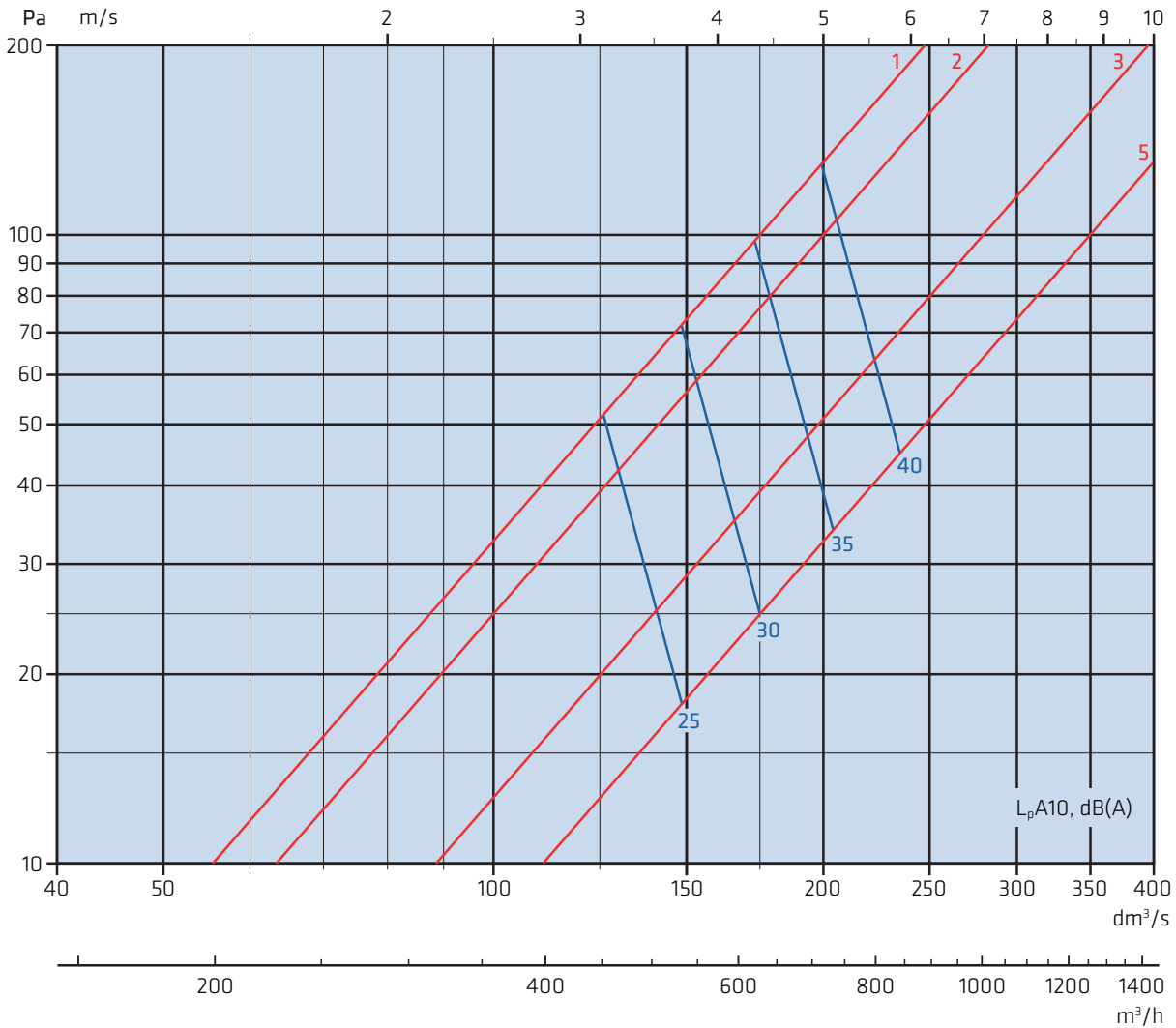


# Displacement diffuser DINO-A

## Dimensioning

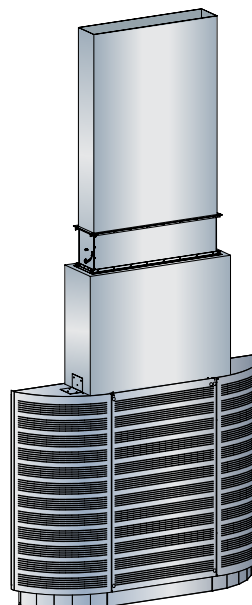
The graphs are not intended for adjustment.

### DINO-A 400×100 + Damper + Sound attenuator, Rectangular duct



Sound power level	$L_{w_{okt}} = L_{pA10} + K$								
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 400×100	K, dB	8	8	7	3	-4	-8	-15	-15

Sound attenuation									
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 400×100	$\Delta L$ , dB	14	9	4	1	2	4	4	5
DINO-A 400×100+ SA	$\Delta L$ , dB	12	12	9	13	17	18	20	18

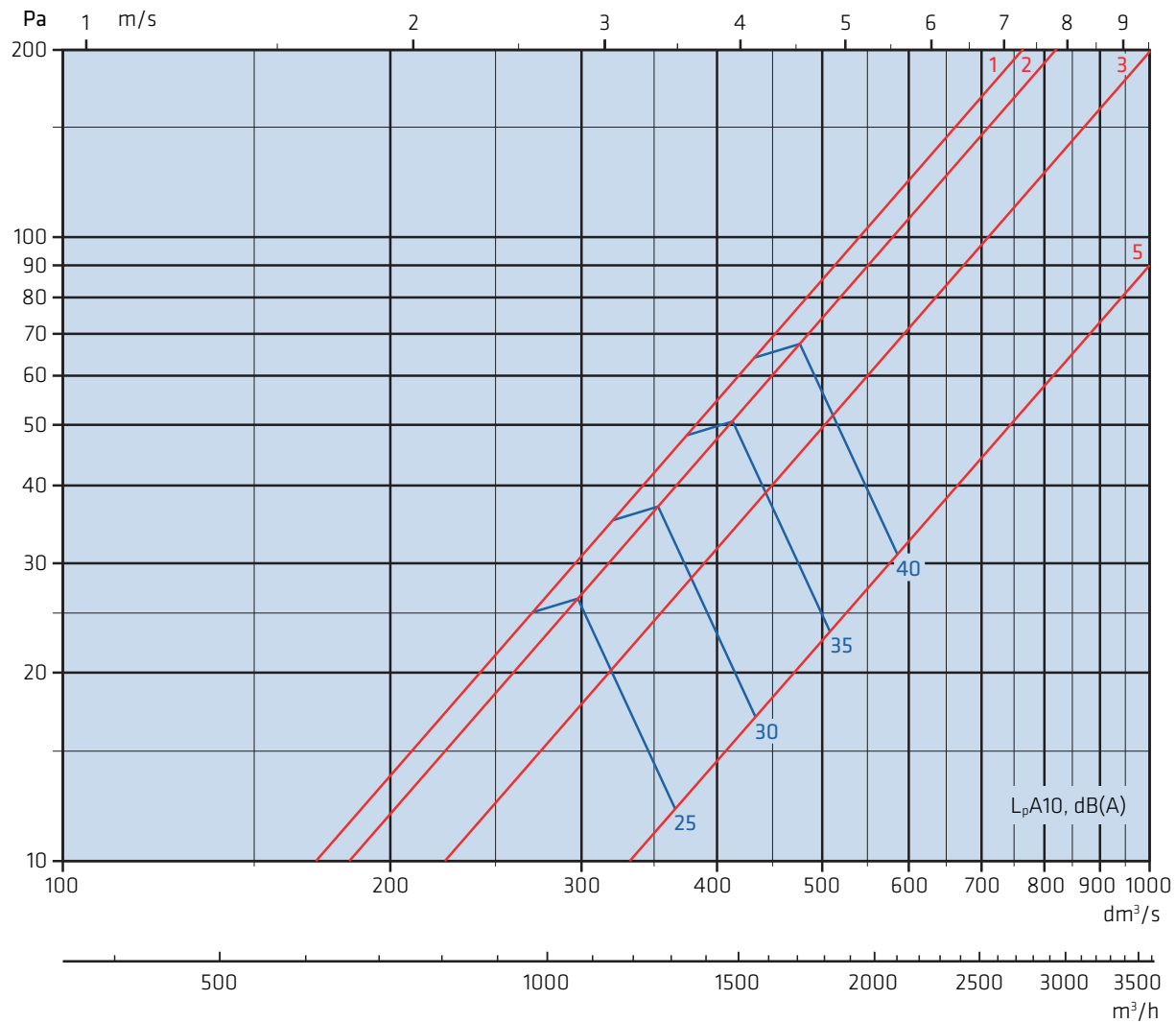


# Displacement diffuser DINO-A

## Dimensioning

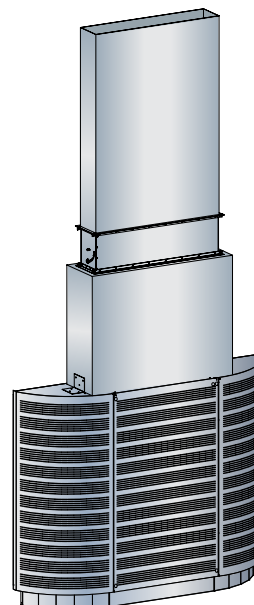
The graphs are not intended for adjustment.

### DINO-A 700×150 + Damper + Sound attenuator, Rectangular duct



Sound power level	$L_{w\text{okt}} = L_{pA10} + K$								
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 700×150	K, dB	6	6	5	4	-2	-9	-15	-20

Sound attenuation									
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 700×150	$\Delta L$ , dB	11	6	1	0	1	2	3	5
DINO-A 700×150 + SA	$\Delta L$ , dB	12	7	6	9	15	15	14	15

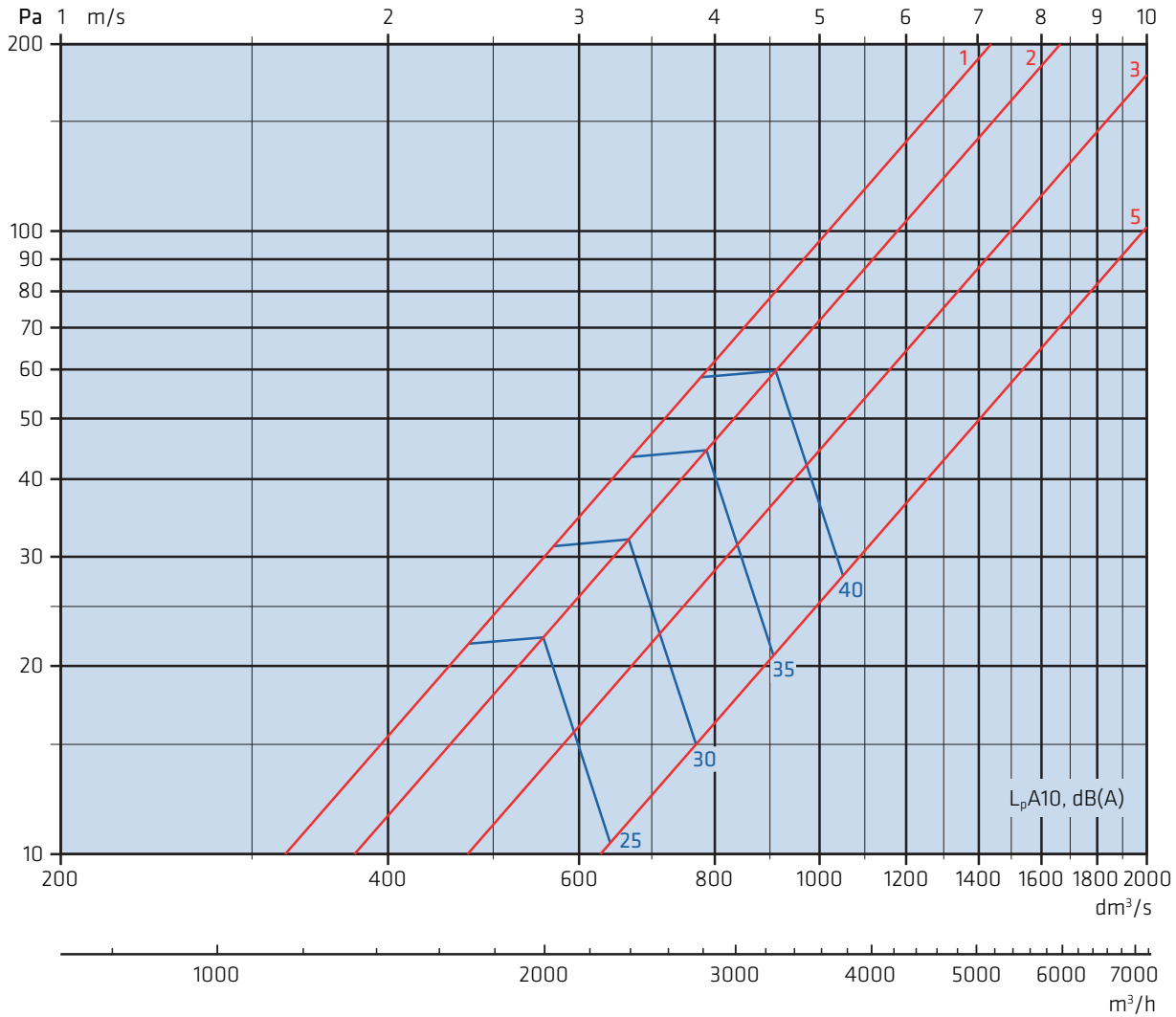


# Displacement diffuser DINO-A

## Dimensioning

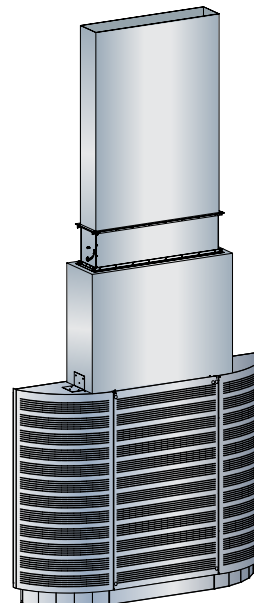
The graphs are not intended for adjustment.

### DINO-A 1000×200 + Damper + Sound attenuator, Rectangular duct



Sound power level		$L_{w\text{okt}} = L_{pA10} + K$							
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 1000×200	K, dB	6	6	5	4	-2	-8	-14	-21

Sound attenuation									
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 1000×200	$\Delta L$ , dB	9	5	1	0	1	1	2	4
DINO-A 1000×200 + SA	$\Delta L$ , dB	11	6	4	7	14	13	12	14

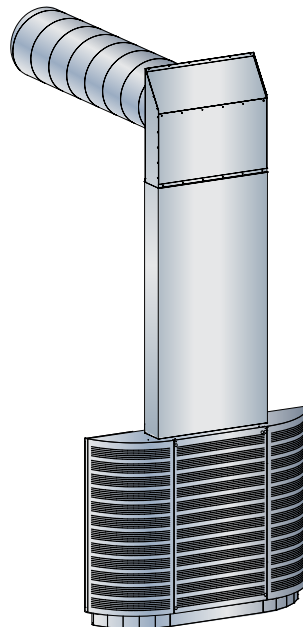
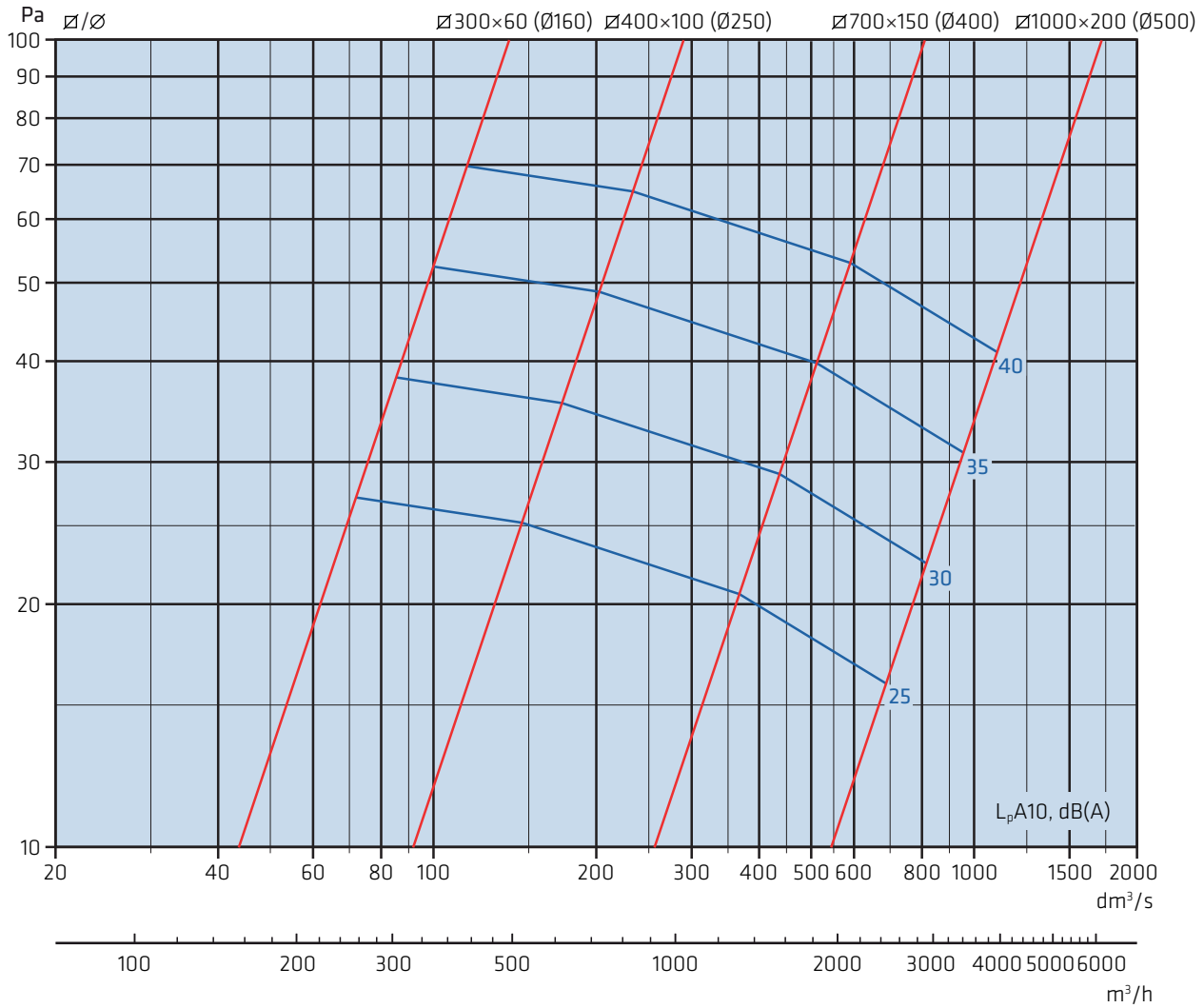


# Displacement diffuser DINO-A

## Dimensioning

The graphs are not intended for adjustment.

### DINO-A 300×60, 400×100, 700×150 ja 1000×200, Duct adapter

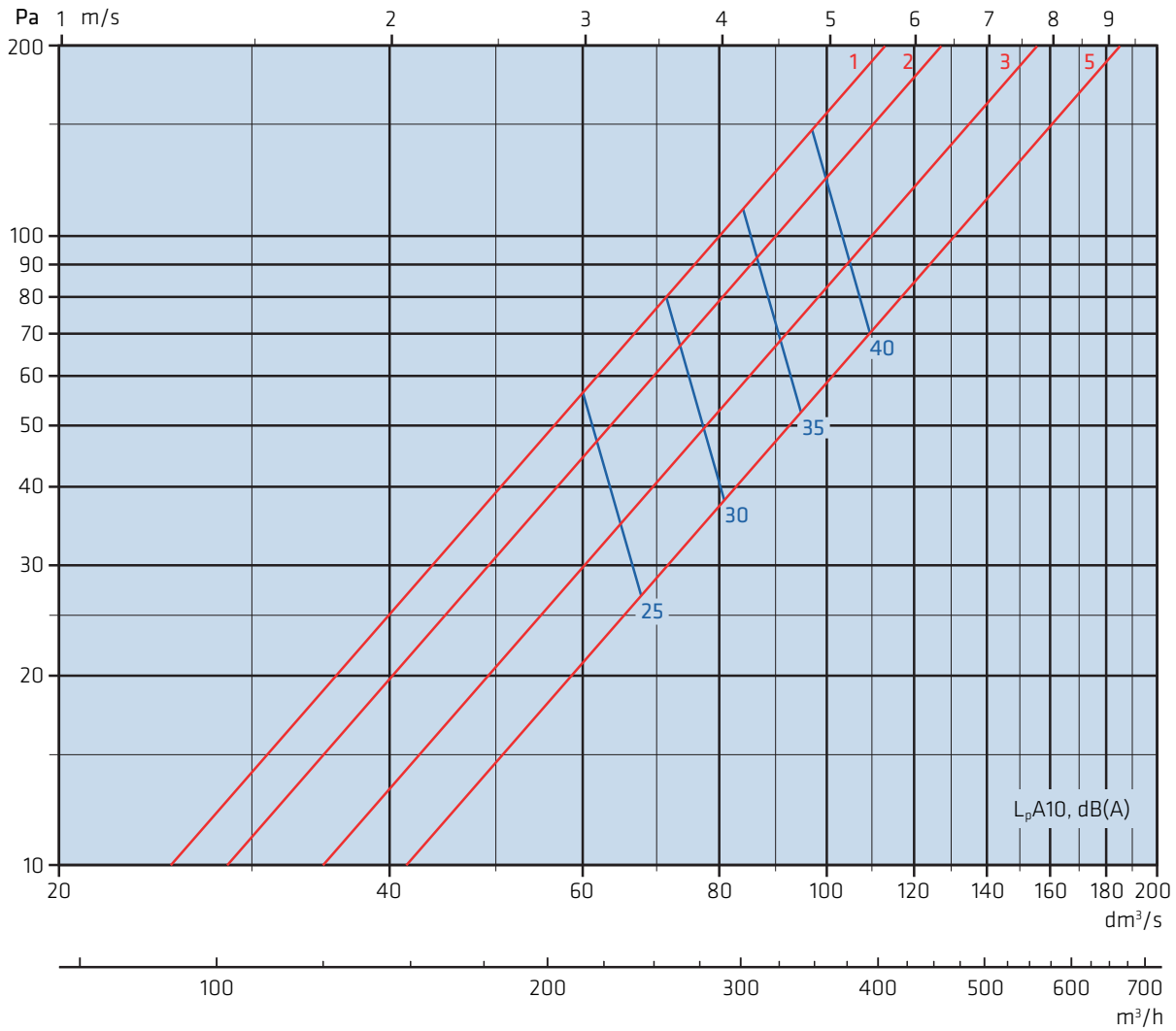


# Displacement diffuser DINO-A

## Dimensioning

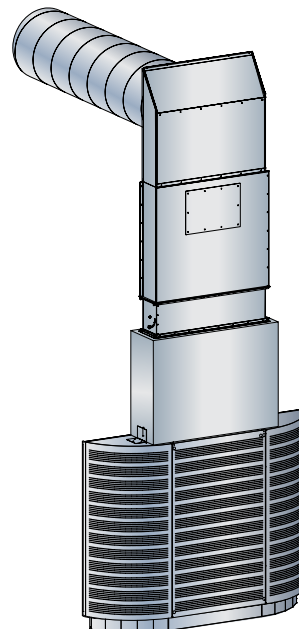
The graphs are not intended for adjustment.

### DINO-A 300×60 + Damper + Sound attenuator, Duct adapter (Ø160)



Sound power level	$L_{w_{okt}} = L_{pA10} + K$								
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 300×60	K, dB	7	7	7	3	-4	-8	-16	-16

Sound attenuation									
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 300×60	$\Delta L$ , dB	15	10	6	1	2	5	5	6
DINO-A 300×60 + SA+ DA	$\Delta L$ , dB	10	12	12	21	22	25	27	25

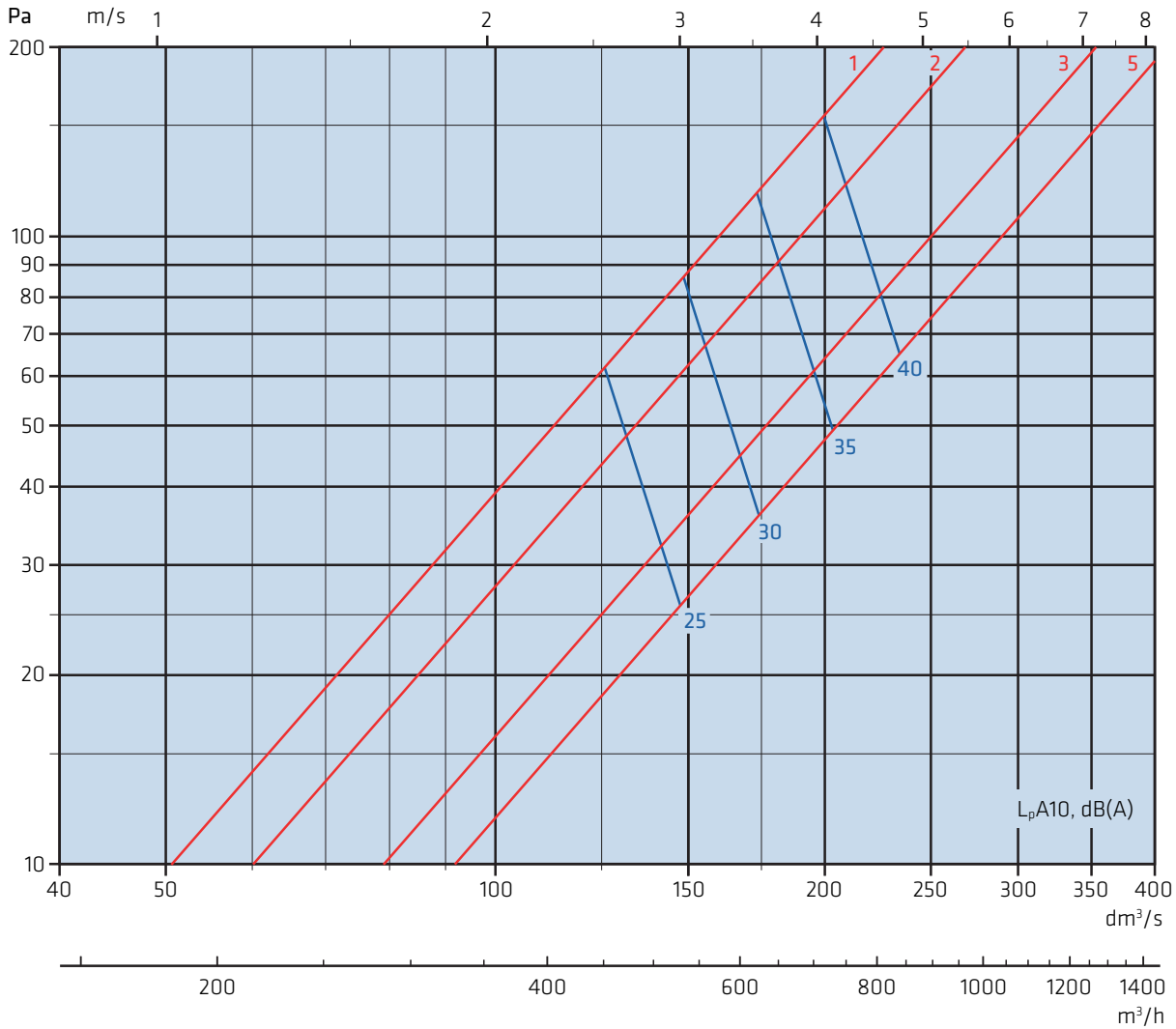


# Displacement diffuser DINO-A

## Dimensioning

The graphs are not intended for adjustment.

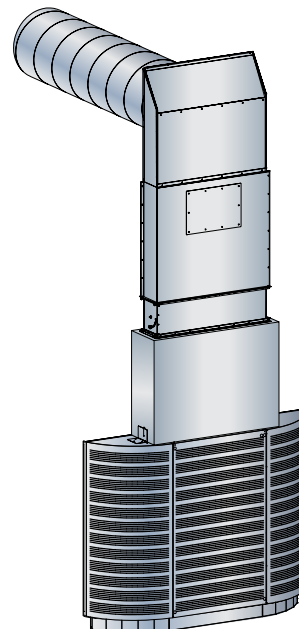
### DINO-A 400×100 + Damper + Sound attenuator, Duct adapter (Ø250)



Sound power level		Lw <sub>okt</sub> = L <sub>pA10</sub> +K							
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
<b>DINO-A 400×100</b>	K, dB	8	8	7	3	-4	-8	-15	-15

Sound attenuation									
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
<b>DINO-A 400×100</b>	ΔL, dB	14	9	4	1	2	4	4	5
<b>DINO-A 400×100+ SA+ DA</b>	ΔL, dB	9	12	11	19	22	24	25	24

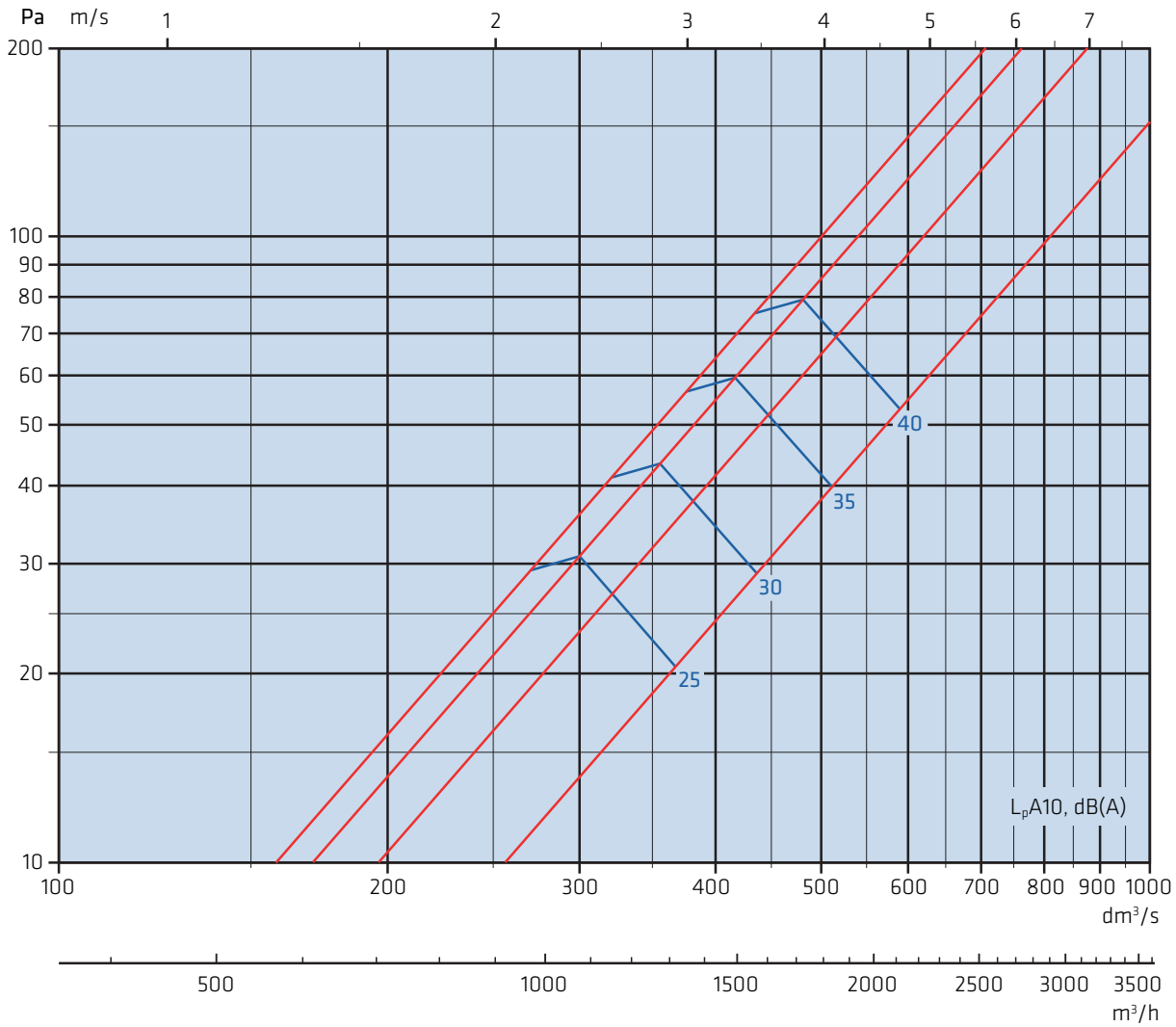


# Displacement diffuser DINO-A

## Dimensioning

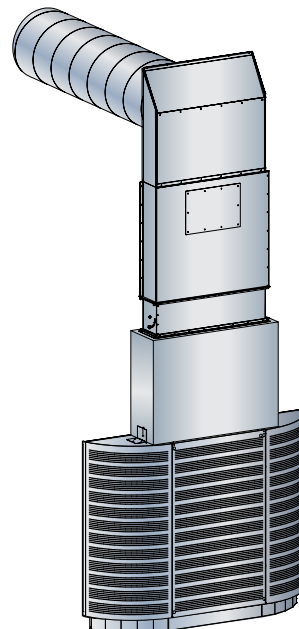
The graphs are not intended for adjustment.

### DINO-A 700×150 + Damper + Sound attenuator, Duct adapter (Ø400)



Sound power level	Lw <sub>okt</sub> = L <sub>pA10</sub> +K								
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 700×150	K, dB	6	6	5	4	-2	-9	-15	-20

Sound attenuation									
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 700×150	ΔL, dB	11	6	1	0	1	2	3	5
DINO-A 700×150 + SA + DA	ΔL, dB	12	8	9	14	19	20	19	21

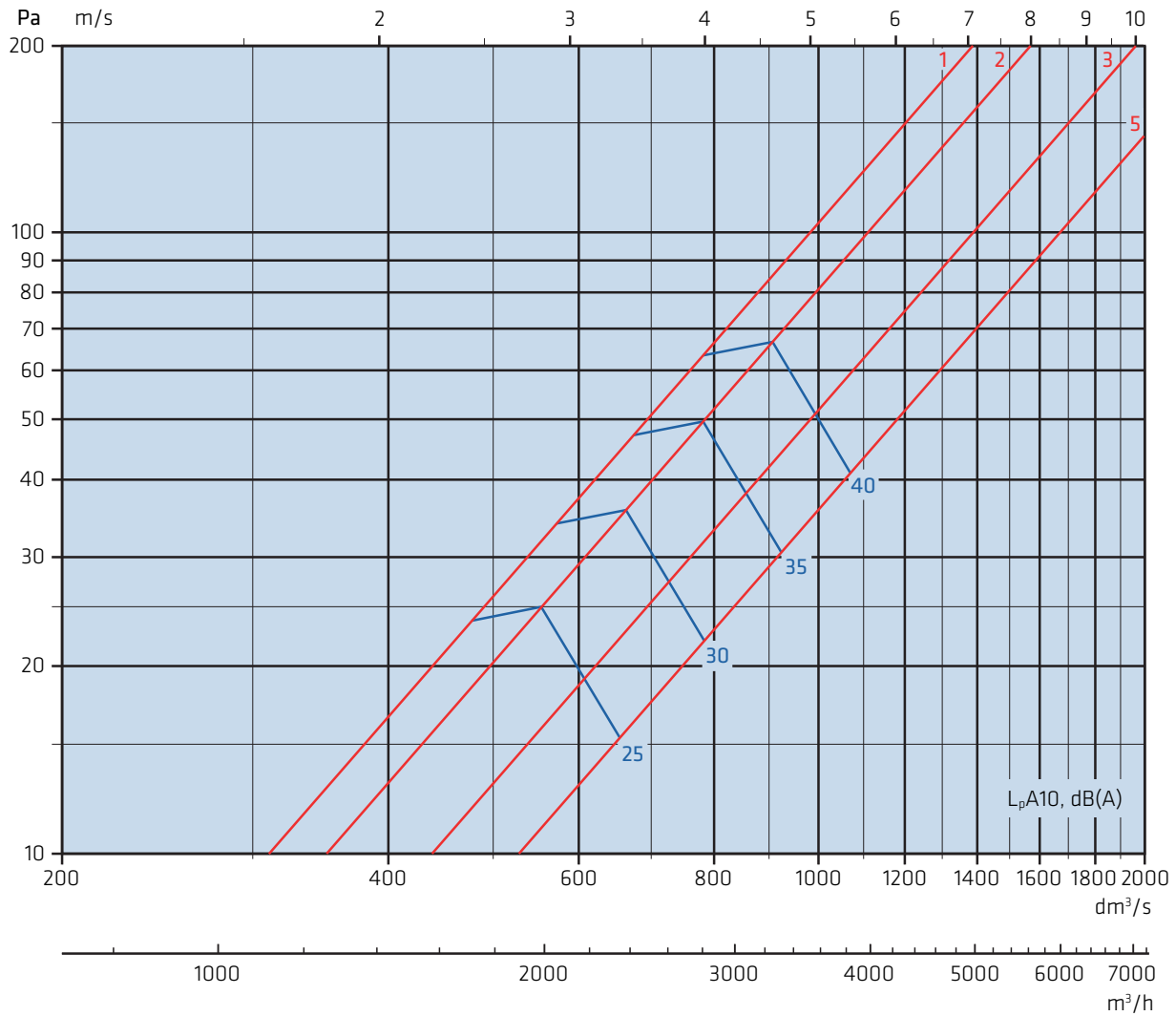


# Displacement diffuser DINO-A

## Dimensioning

The graphs are not intended for adjustment.

### DINO-A 1000×200 + Damper + Sound attenuator, Duct adapter (Ø500)



Sound power level	Lw <sub>okt</sub> = L <sub>pA10</sub> +K								
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 1000×200	K, dB	6	6	5	4	-2	-8	-14	-21

Sound attenuation									
Size	f, Hz	63	125	250	500	1k	2k	4k	8k
DINO-A 1000×200	ΔL, dB	9	5	1	0	1	1	2	4
DINO-A 1000×200+SA+DA	ΔL, dB	11	9	9	12	18	19	17	20

