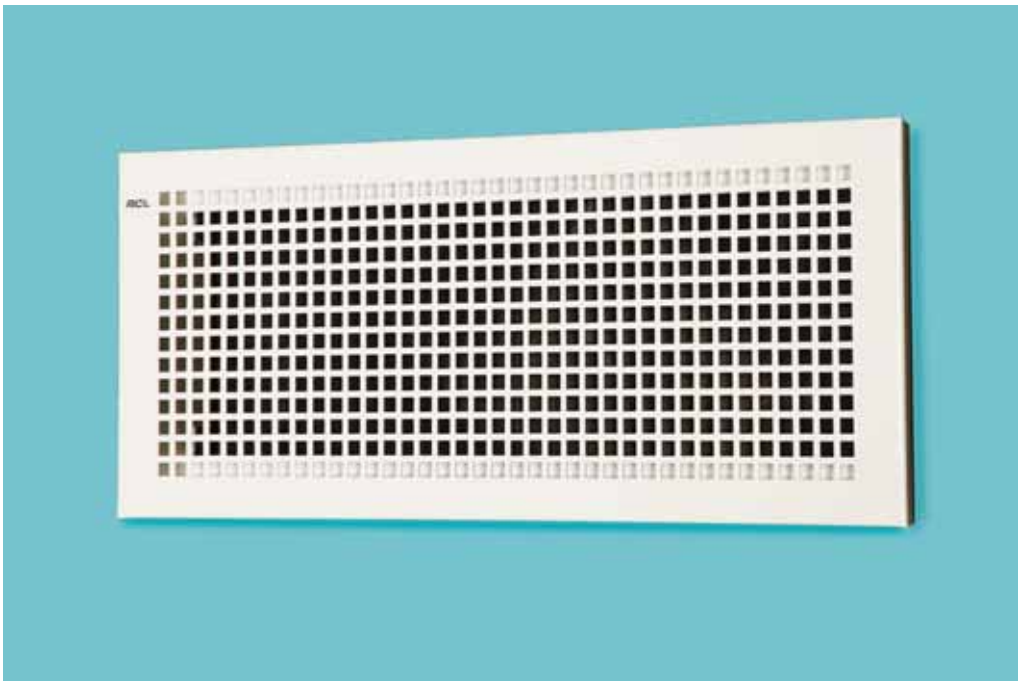
EXHAUST AIR GRILLE ELO/PTE

FOR CEILING AND WALL INSTALLATIONS



Suitable for all kinds ofl premises.
Easy to adjust by plugging the nozzles.
Can also be made of stainless steel.

Material and surface treatment

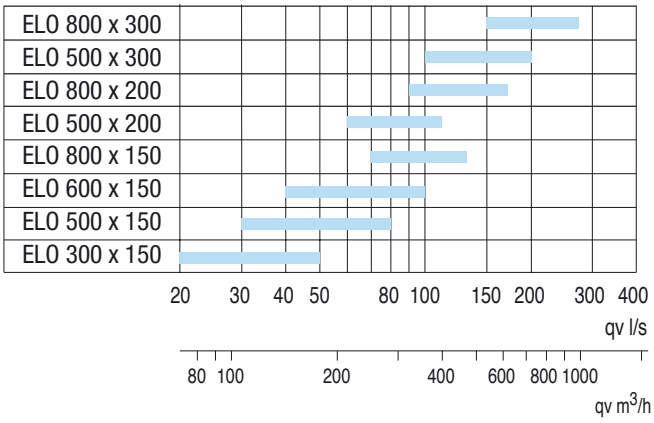
ELO/PTE is made of sheet steel. As standard painted white RAL 9010.
Other colours are available at additional costs.
The plenum box has acoustic lining.

Order key

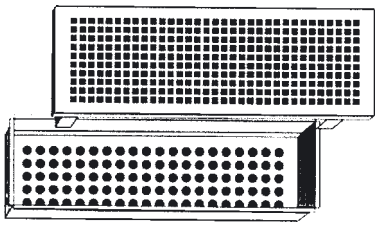
Exhaust grille
ELO - 300 x 150 + PTE 1 - 300 x 150 - 160
1 2 3 4 5

1 = grille size (width x height mm)
2 = plenum box PTE
3 = connection size of the plenum box
4 = the size of the plenum box
5 = duct connection size to the plenum box

Quick guide



Construktion



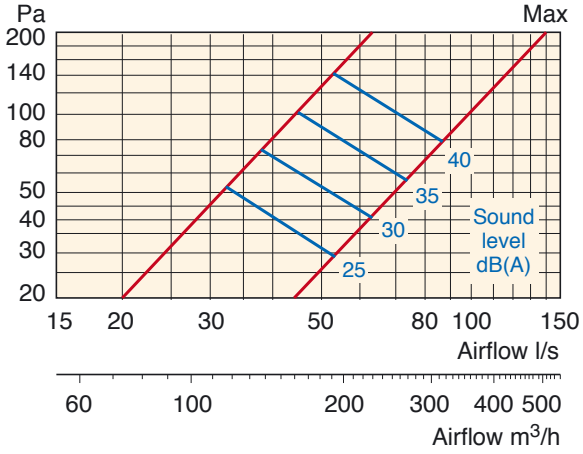
In the frame, behind the device is adjustable nozzle plate.
ELO consists of a grille face with a frame where the nozzle plate is included.

Performance

The graphs are not to be used for commissioning.

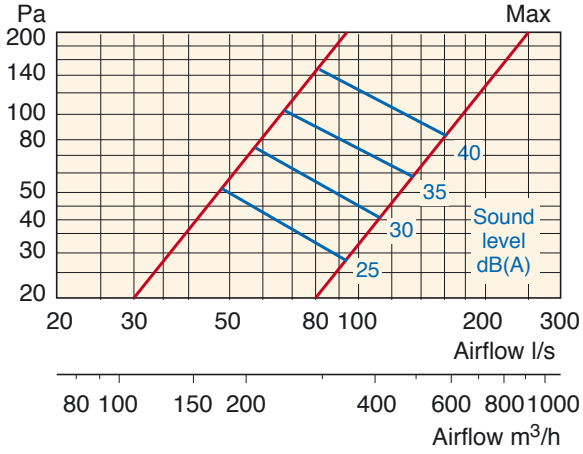
Airflow - pressure drop - sound level

ELO 300 x 150 + PTE - ø 200



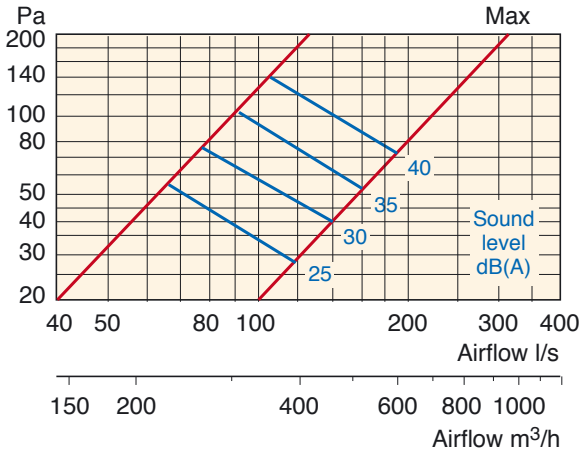
f, Hz >	Joint	63	125	250	500	1 k	2 k	4 k	8 k
		Sound power level							
K_{okt}, dB	1	3	8	7	4	0	-7	-12	-18
	2	4	7	7	3	0	-6	-15	-20
		Sound attenuation							
ΔL, dB	1	9	7	11	11	8	12	10	9
	2	11	7	10	9	7	11	10	10

ELO 500 x 150 + PTE - ø 250



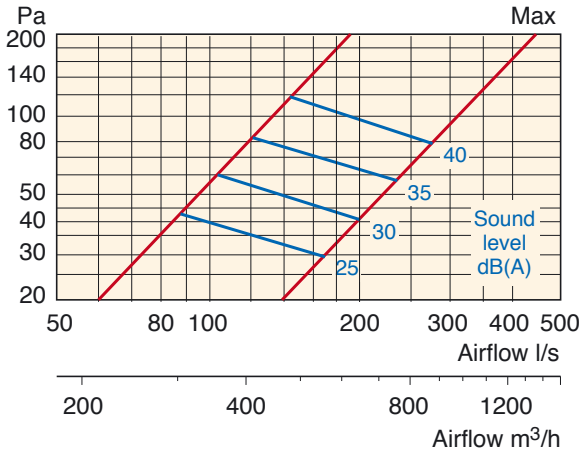
f, Hz >	Joint	63	125	250	500	1 k	2 k	4 k	8 k
		Sound power level							
K_{okt}, dB	1	4	9	7	4	0	-6	-12	-17
	2	6	8	7	4	0	-5	-14	-19
		Sound attenuation							
ΔL, dB	1	8	6	11	12	8	11	10	9
	2	10	6	9	7	7	11	9	10

ELO 600 x 150 + PTE - ø 315



f, Hz >	Joint	63	125	250	500	1 k	2 k	4 k	8 k
		Sound power level							
K_{okt}, dB	1	5	9	6	3	0	-6	-11	-16
	2	5	10	7	3	0	-4	-9	-14
		Sound attenuation							
ΔL, dB	1	8	5	9	11	8	10	9	9
	2	9	4	8	6	7	10	8	7

ELO 800 x 150 + PTE - ø 315



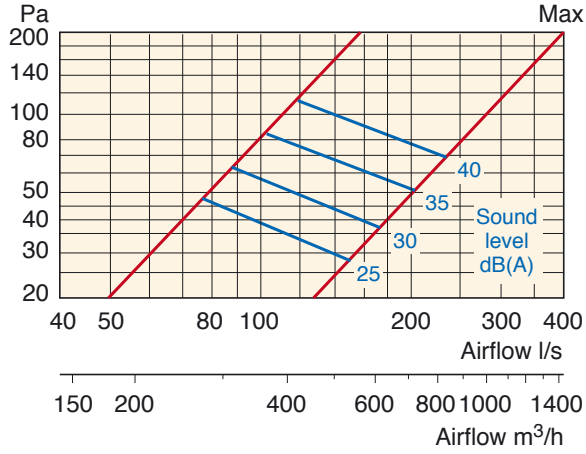
f, Hz >	Joint	63	125	250	500	1 k	2 k	4 k	8 k
		Sound power level							
K_{okt}, dB	1	5	11	6	3	0	-3	-10	-16
	2	5	10	7	3	0	-4	-8	-4
		Sound attenuation							
ΔL, dB	1	9	4	8	11	8	8	9	9
	2	7	1	7	6	9	10	8	7

Performance

The graphs are not to be used for commissioning.

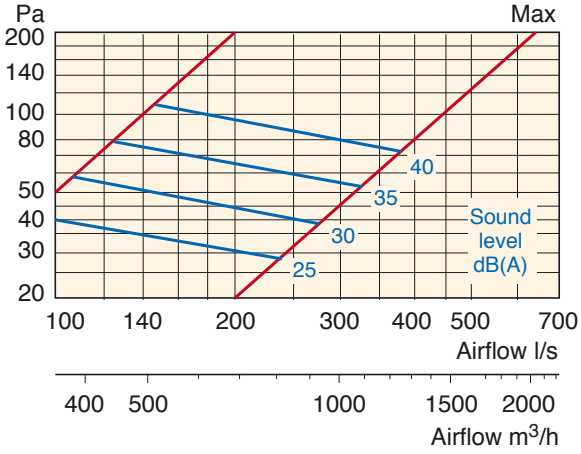
Airflow - pressure drop - sound level

ELO 500 x 200 + PTE - ø 315



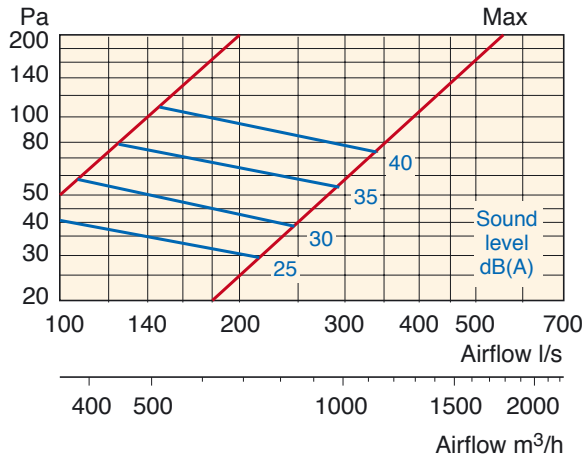
f, Hz >	Joint	63	125	250	500	1 k	2 k	4 k	8 k
		Sound power level							
K_{okt}, dB	1	4	10	6	4	0	-5	-12	-19
	2	3	10	6	4	0	-5	-12	-18
		Sound attenuation							
ΔL, dB	1	9	4	9	11	7	10	10	10
	2	11	5	7	5	8	10	8	7

ELO 800 x 200 + PTE - ø 315



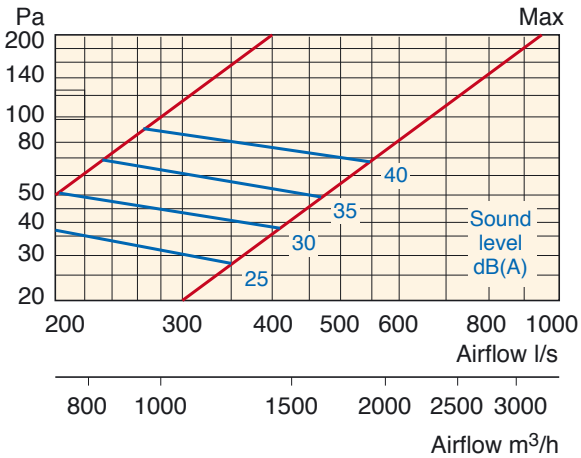
f, Hz >	Joint	63	125	250	500	1 k	2 k	4 k	8 k
		Sound power level							
K_{okt}, dB	1	5	11	7	4	0	-5	-13	-19
	2	6	11	8	4	-1	-6	-13	-21
		Sound attenuation							
ΔL, dB	1	9	3	7	10	7	8	8	8
	2	11	5	7	5	8	10	8	7

ELO 500 x 300 + PTE - ø 315



f, Hz >	Joint	63	125	250	500	1 k	2 k	4 k	8 k
		Sound power level							
K_{okt}, dB	1	4	10	5	3	0	-4	-13	-18
	2	5	10	7	3	0	-5	-12	-19
		Sound attenuation							
ΔL, dB	1	9	3	6	9	6	7	7	7
	2	11	4	6	5	7	9	8	7

ELO 800 x 300 + PTE - ø 400

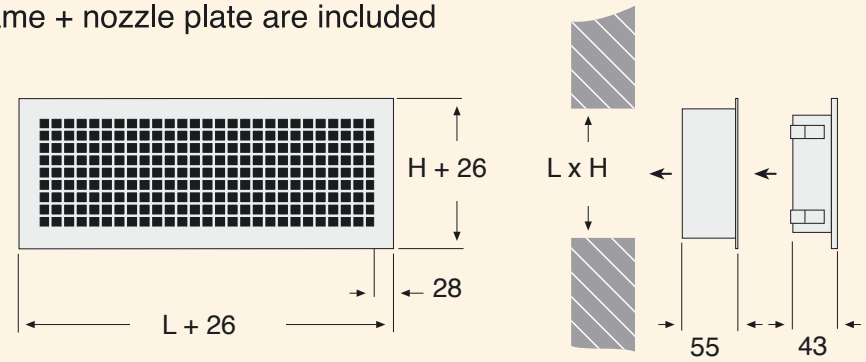


f, Hz >	Joint	63	125	250	500	1 k	2 k	4 k	8 k
		Sound power level							
K_{okt}, dB	1	5	9	4	3	0	-5	-12	-18
	2	4	9	6	3	0	-4	-13	-18
		Sound attenuation							
ΔL, dB	1	8	3	5	8	5	6	7	6
	2	9	3	4	7	6	9	7	7

Dimensions

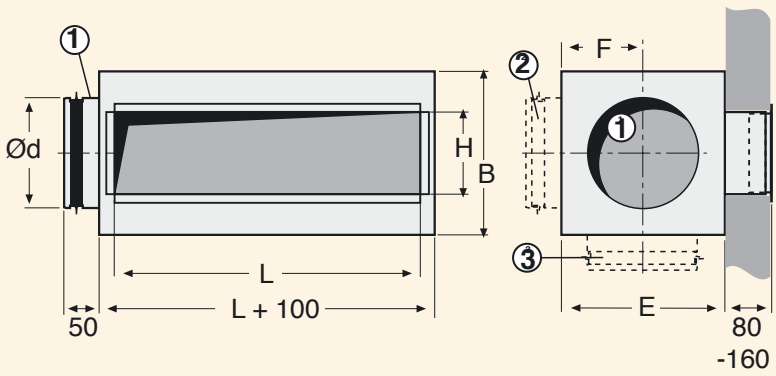
ELO

The grille + frame + nozzle plate are included



Wall opening = L x H

PTE

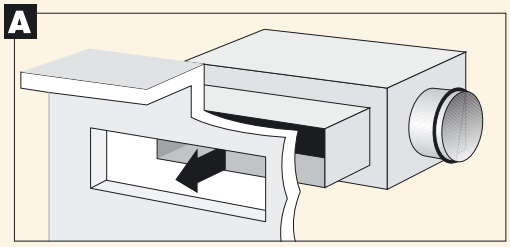


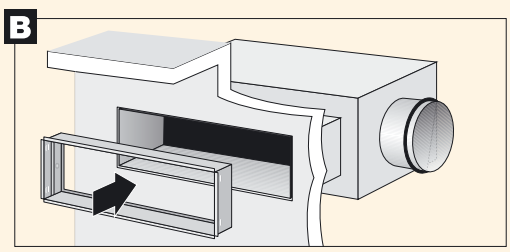
1 = sideconnection
2 = rear connection
3 = connection from up- or downwards

Size L x H	ø d	B	E
300 x 100	159	220	260
200 x 150	159	220	260
300 x 150	199	250	300
500 x 150	249	290	350
800 x 150	314	355	420
400 x 200	249	290	350
500 x 200	314	355	420
600 x 200	314	355	420
800 x 200	314	355	420
500 x 300	314	355	420
800 x 300	399	450	500
500 x 400	399	450	500
800 x 400	399	450	500

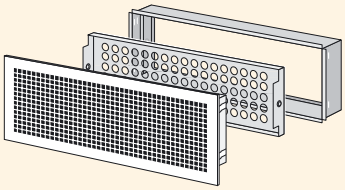
Installation

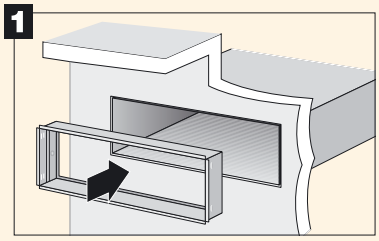
Connection box PTE

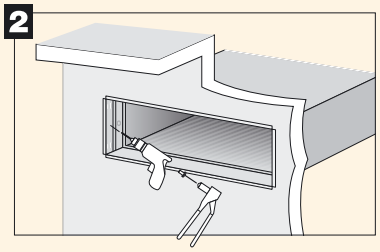


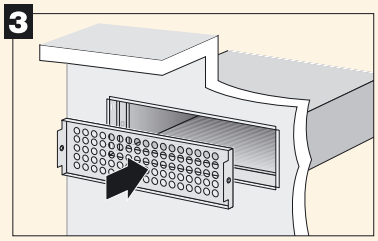


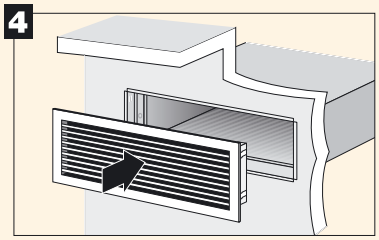
How to install the grille





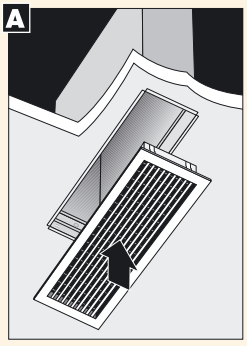


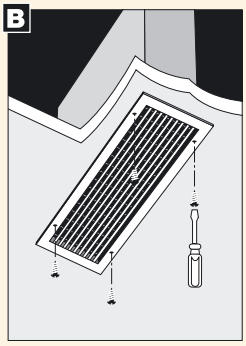




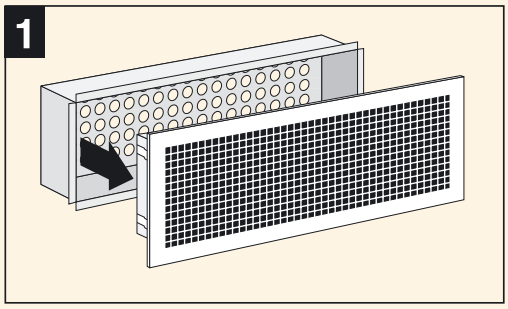
Ceiling installation

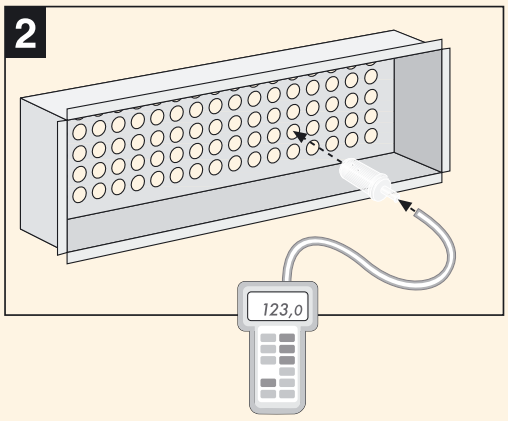
The grille has allways to be fixed with screws.
When order, please note RK.
RK = the grille has screwholes in the frame.

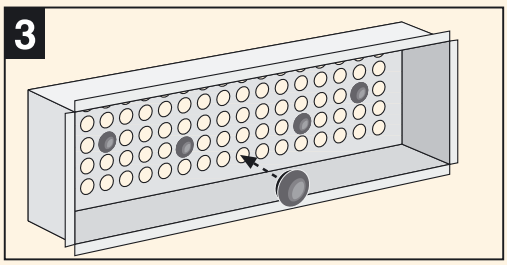




Commissioning







The k-facrtors are shown in the RCL “CONTROL GUIDE”