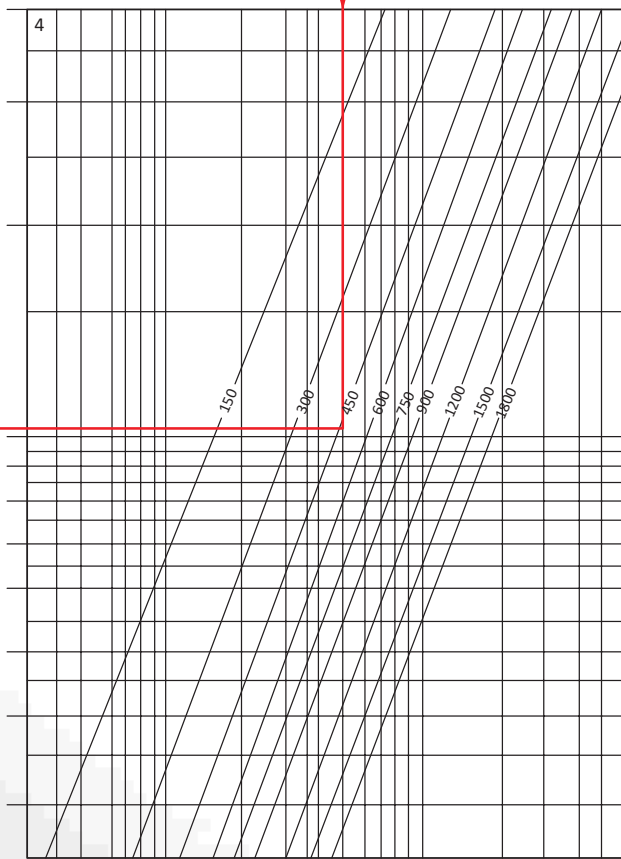
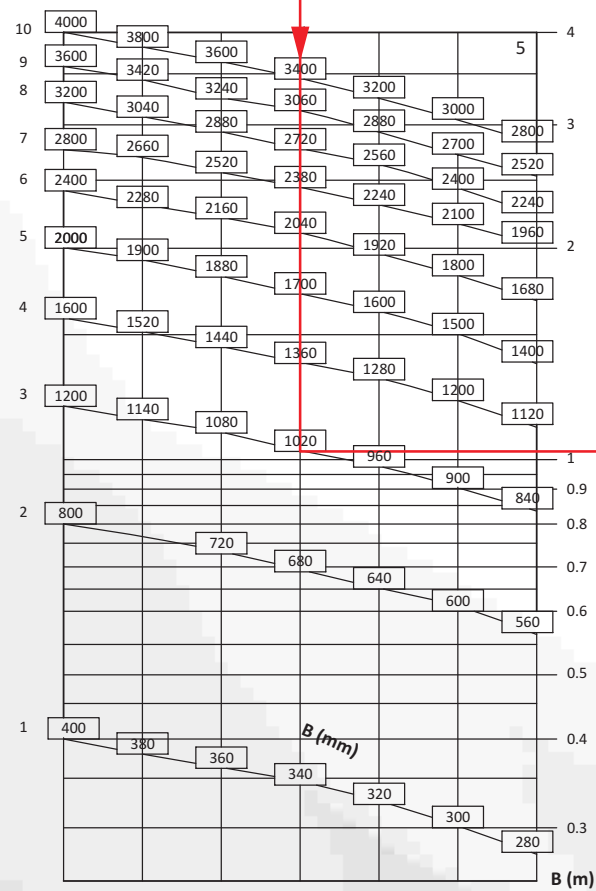
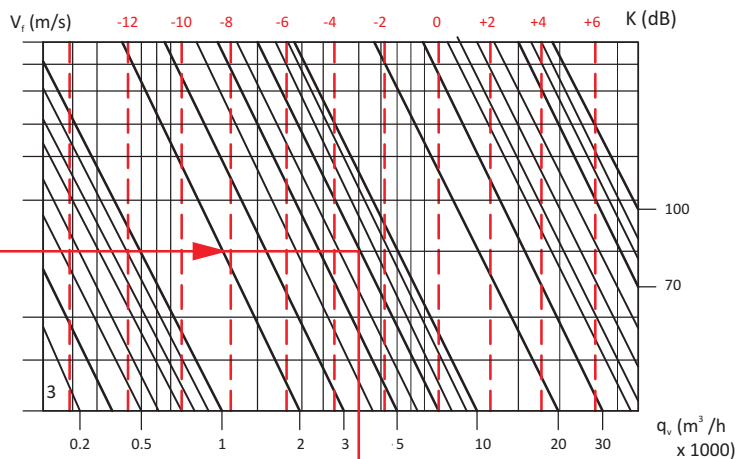
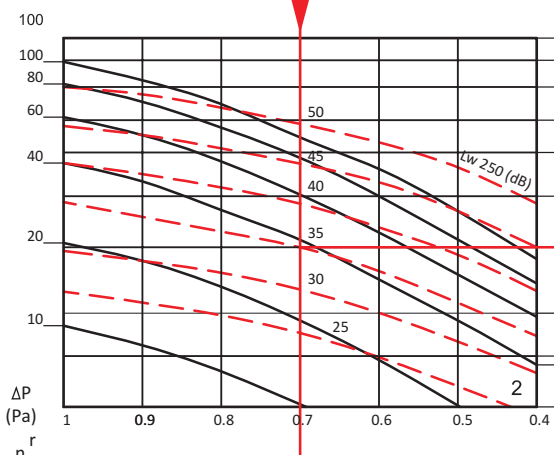
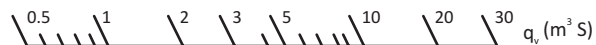
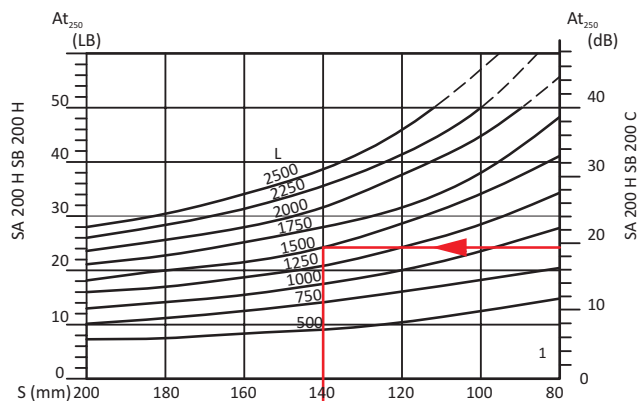


Diagram n° 2

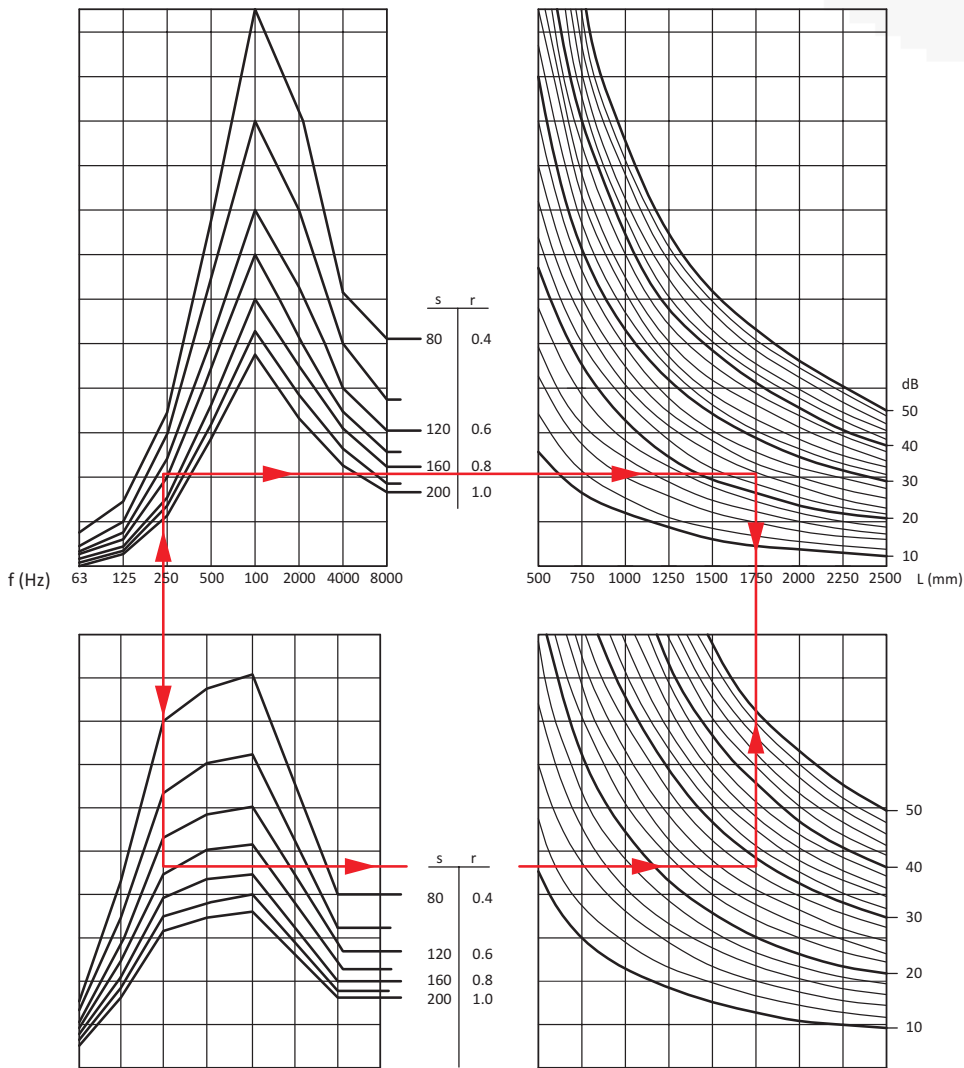
Selection diagram for
Sound attenuator
For model RSA 200 and RSA 200 C
 ΔP must be multiplied by 0.5 for
models RSA 200 and RSA 200 C



Selection Diagram

Diagram n° 3

Attenuation A
 L = Lenth for RSA
 (for RSA : L x 0.98)



- At** Attenuation (dB)
- At₂₅₀** Attenuation at f = 250 Hz (dB)
- B** Duct width (mm) or (m)
- D** Baffle thickness (mm)
- n** Number of baffles
- ΔP** Total Pressure loss (Pa)
- q_v** Air flow rate (m³/h) or (m³/h)
- r** S/D ratio
- S** Width of gap between baffle (mm)
- v_t** Air velocity in area F (m/s)

Chart° 3bis : regenerated noise : $L_{w_i} = L_w + K$ dB (A) vs (m/s)

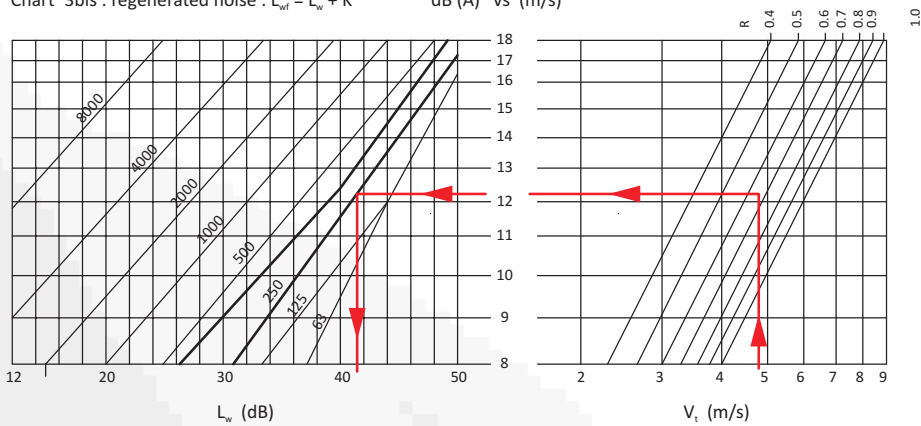
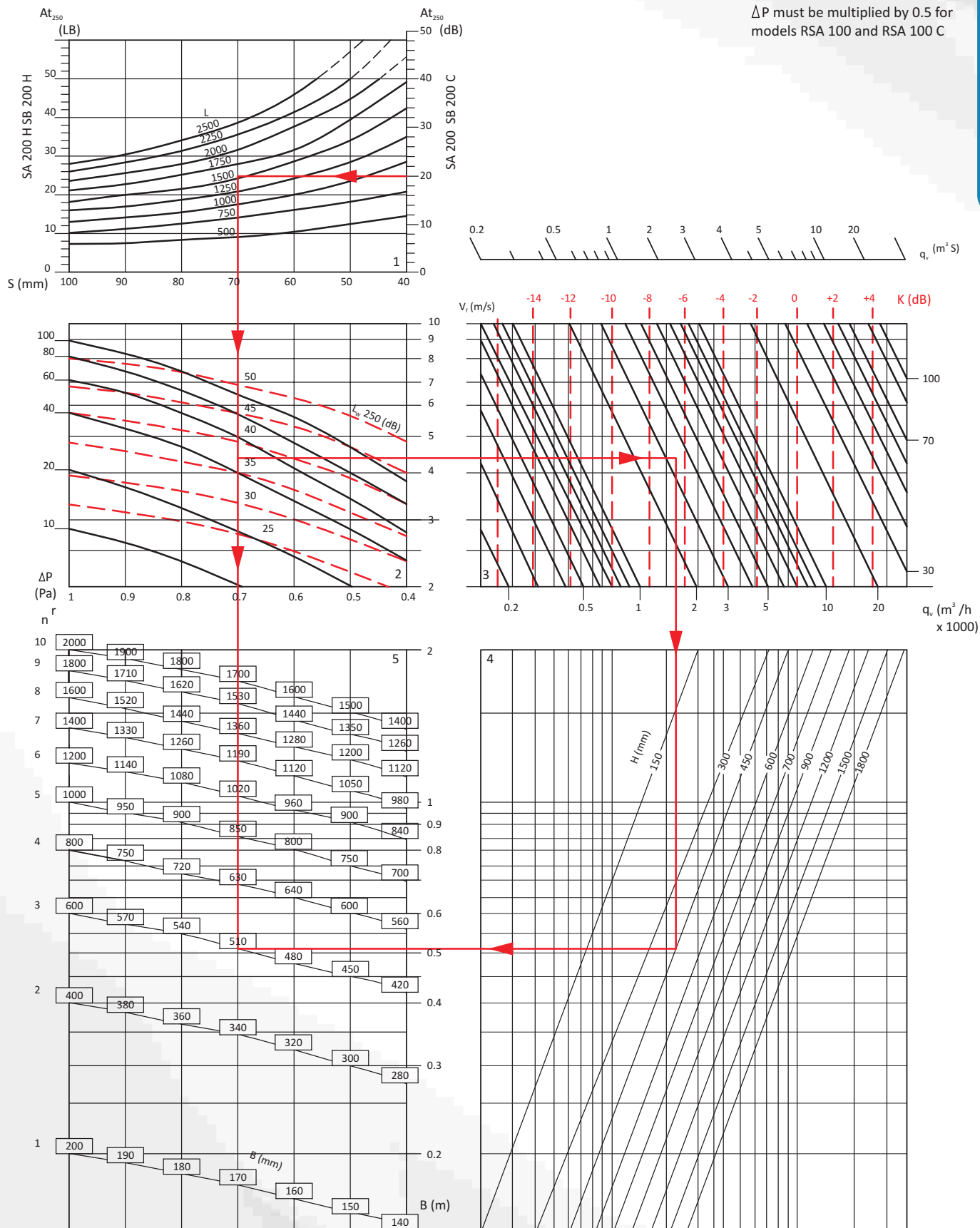


Table n°

F (m2) B x H	K (dB)
0.06	-12
0.10	-10
0.25	-6
0.50	-3
0.75	-1
1.0	0
1.5	+2
2.0	+3
3.0	+5
4.0	+6

Diagram n° 4

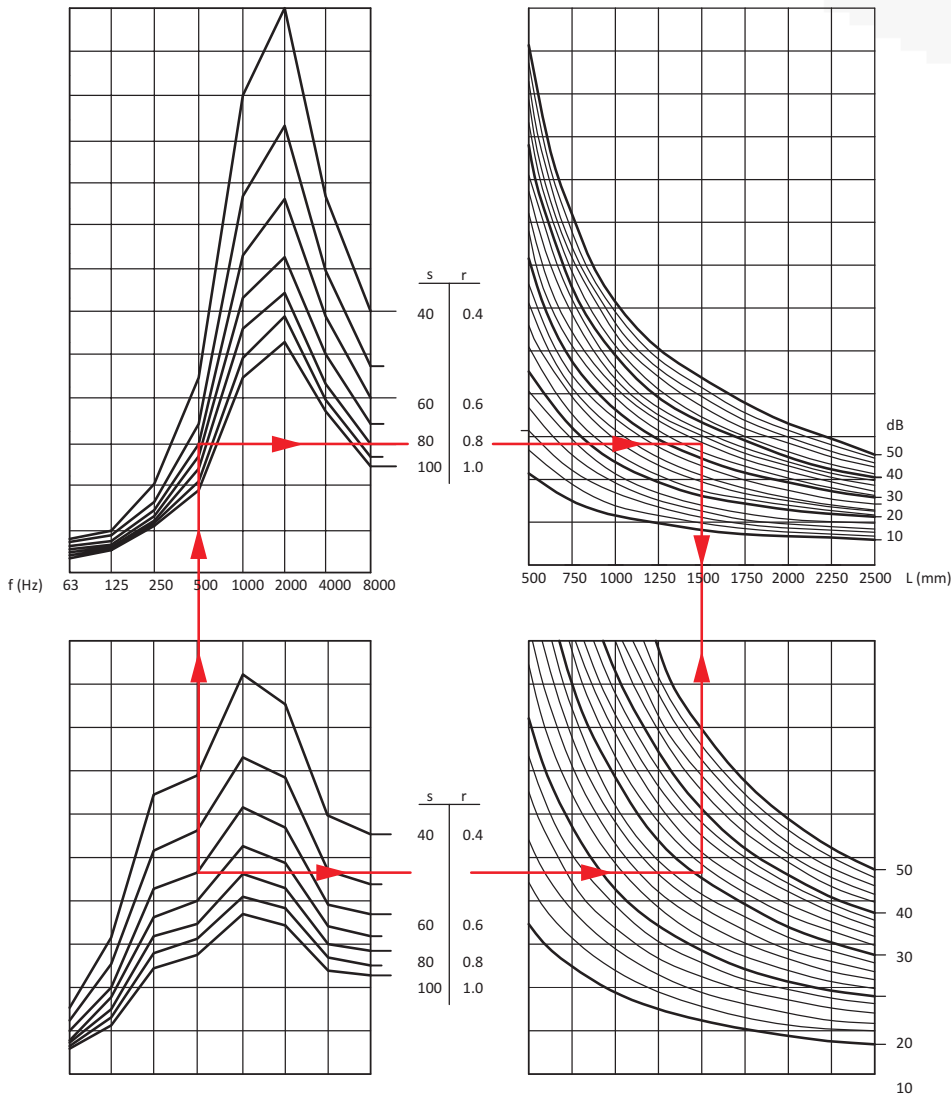
Selection diagram for Sound attenuator
 For model RSA 100 and RSA 100 C
 ΔP must be multiplied by 0.5 for models RSA 100 and RSA 100 C



Selection Diagram

Diagram n° 5

Attenuation A
 L = Lenth for RSA
 (for RSA : L x 0.98)



- At** Attenuation (dB)
- At₂₅₀** Attenuation at f = 250 Hz (dB)
- B** Duct width (mm) or (m)
- D** Baffle thickness (mm)
- n** Number of baffles
- ΔP** Total Pressure loss (Pa)
- qv** Air flow rate (m³/s) or (m³/h)
- r** S/D ratio
- s** Width of gap between baffle (mm)
- v_r** Air velocity in area F (m/s)

Diagram n° 5bis : regenerated noise : $L_{wf} = L_w + K$ dB (A) vs (m/s)

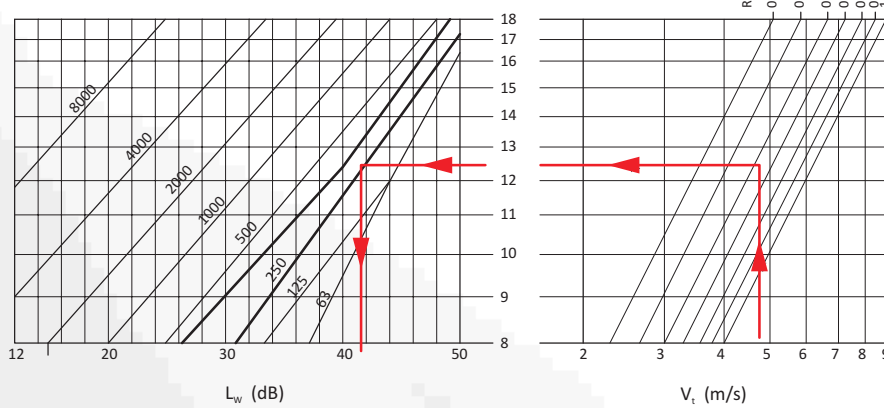


Table n°

F (m2) B x H	K (dB)
0.06	- 12
0.10	- 10
0.25	- 6
0.50	- 3
0.75	- 1
1.0	0
1.5	+ 2
2.0	+ 3
3.0	+ 5
4.0	+ 6