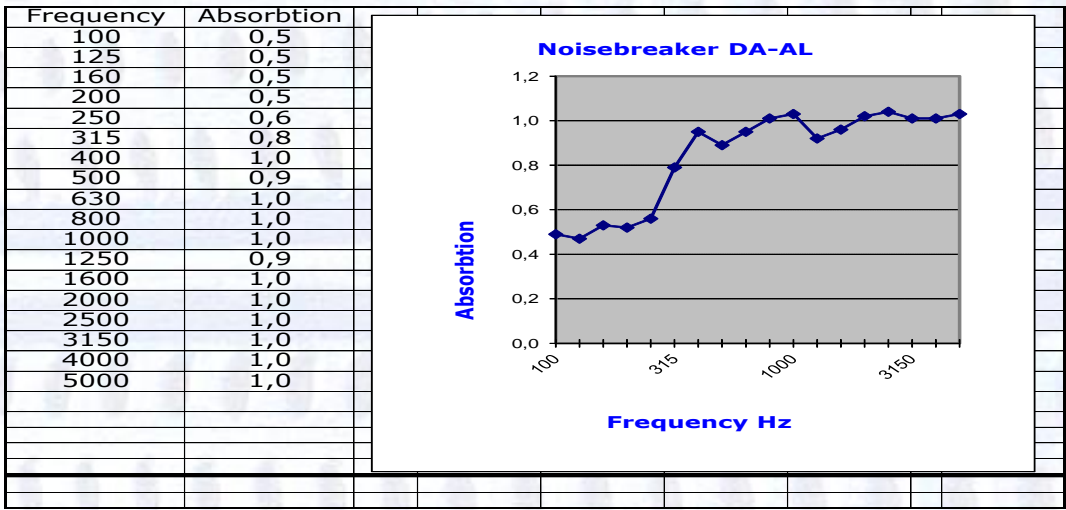


ACOUSTICAL DATA and performance: double absorptive:

**Absorption according to NBN- EN 1793-1; $\Delta L_a \Rightarrow 11$ dB
Classification Group A4 "Highly Absorptive"**

According to this norm there are 5 different qualification levels categories:

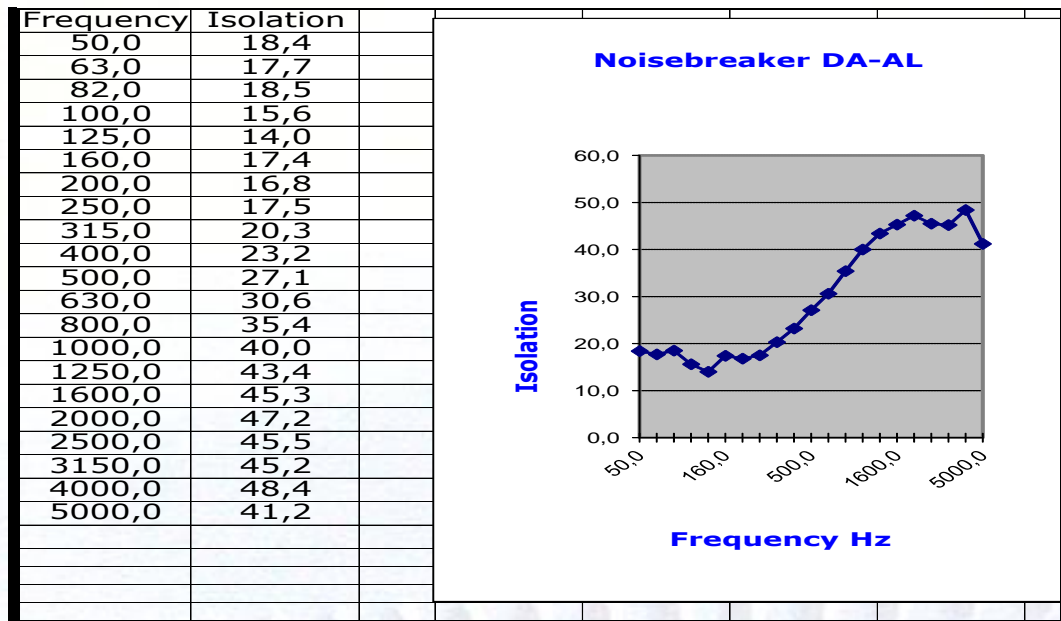
- A0) Reflecting, no absorption.
- A1) < 4 dB.
- A2) from 4 dB until 7 dB.
- A3) from 8 dB until 11 dB.
- A4) > 11 dB This is the highest classification for noise absorption.**



**NOISE Insulation according to NBN - EN 1793-2; $\Delta D_{lr} > 25$ dB
Classification Group B3 "Highest isolation class"**

According to this norm there are 4 different qualification levels categories:

- B0) no isolation.
- B1) < 15 dB.
- B2) from 15 dB until 24 dB.
- B3) > 24 dB This is the highest classification for noise isolation.**

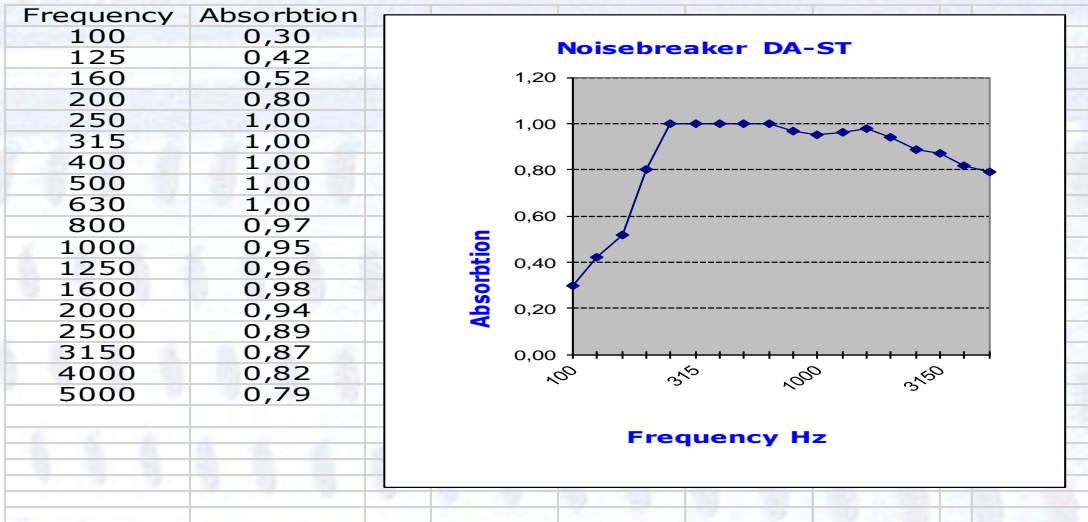


ACOUSTICAL DATA and performance standard panels

Absorption according to NBN- EN 1793-1; $\Delta L_a \Rightarrow > 13$ dB Classification Group A4 "Highly Absorptive"

According to this norm there are 5 different qualification levels categories:

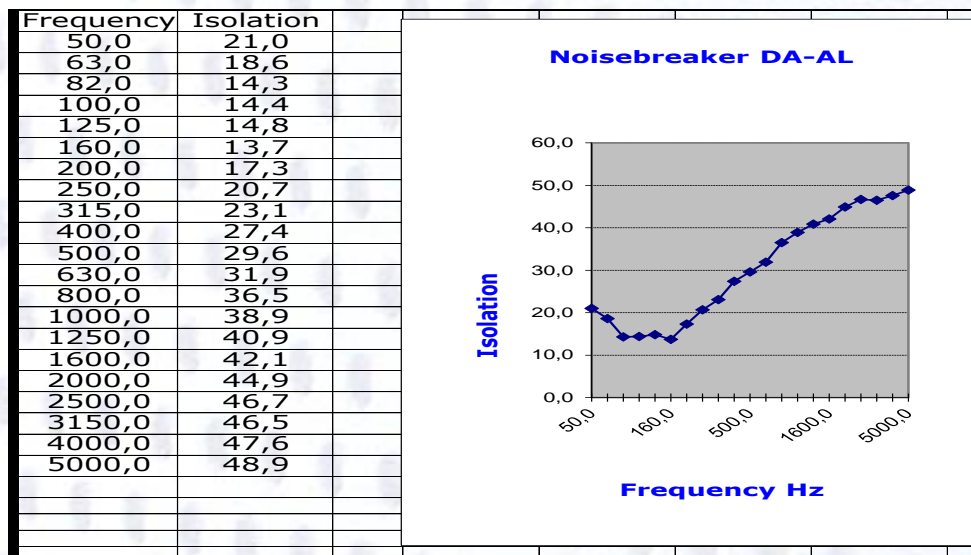
- A0) Reflecting, no absorption.
- A1) < 4 dB.
- A2) from 4 dB until 7 dB.
- A3) from 8 dB until 11 dB.
- A4) > 11 dB This is the highest classification for noise absorption.**



NOISE Insulation according to NBN - EN 1793-2; $\Delta D_{lr} > 25$ dB Classification Group B3 "Highest isolation class"

According to this norm there are 4 different qualification levels categories:

- B0) no isolation.
- B1) < 15 dB.
- B2) from 15 dB until 24 dB.
- B3) > 24 dB This is the highest classification for noise isolation.**



ACOUSTICAL DATA and performance High Isolation

Absorption according to NBN- EN 1793-1; $\Delta L_a \Rightarrow 12$ dB Classification Group A4 "Highly Absorptive"

According to this norm there are 5 different qualification levels categories:

A0) Reflecting, no absorption.

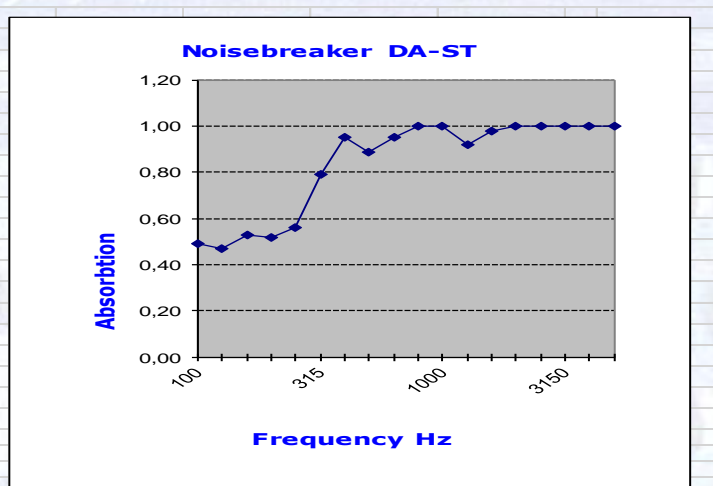
A1) < 4 dB.

A2) from 4 dB until 7 dB.

A3) from 8 dB until 11 dB.

A4) > 11 dB This is the highest classification for noise absorption.

Frequency	Absorption
100	0,49
125	0,47
160	0,53
200	0,52
250	0,56
315	0,79
400	0,95
500	0,89
630	0,95
800	1,00
1000	1,00
1250	0,92
1600	0,98
2000	1,00
2500	1,00
3150	1,00
4000	1,00
5000	1,00



NOISE Insulation according to NBN - EN 1793-2; $\Delta D_{lr} > 28$ dB Classification Group B3 "Highest isolation class"

According to this norm there are 4 different qualification levels categories:

B0) no isolation.

B1) < 15 dB.

B2) from 15 dB until 24 dB.

B3) > 24 dB This is the highest classification for noise isolation.

Frequency	Isolation
50,0	19,1
63,0	13,1
82,0	16,8
100,0	14,3
125,0	17,6
160,0	19,6
200,0	20,6
250,0	25,3
315,0	31,6
400,0	36,4
500,0	40,8
630,0	42,2
800,0	41,1
1000,0	41,0
1250,0	45,5
1600,0	44,6
2000,0	41,4
2500,0	39,0
3150,0	42,8
4000,0	39,8
5000,0	48,9

