

Acoustic insulation of small technical elements, $D_{n,e}$, according to UNI EN ISO 10140-2

Sample description:

QUANTUM NEXT 150 + TRM150ISO

Area S, of the test opening:

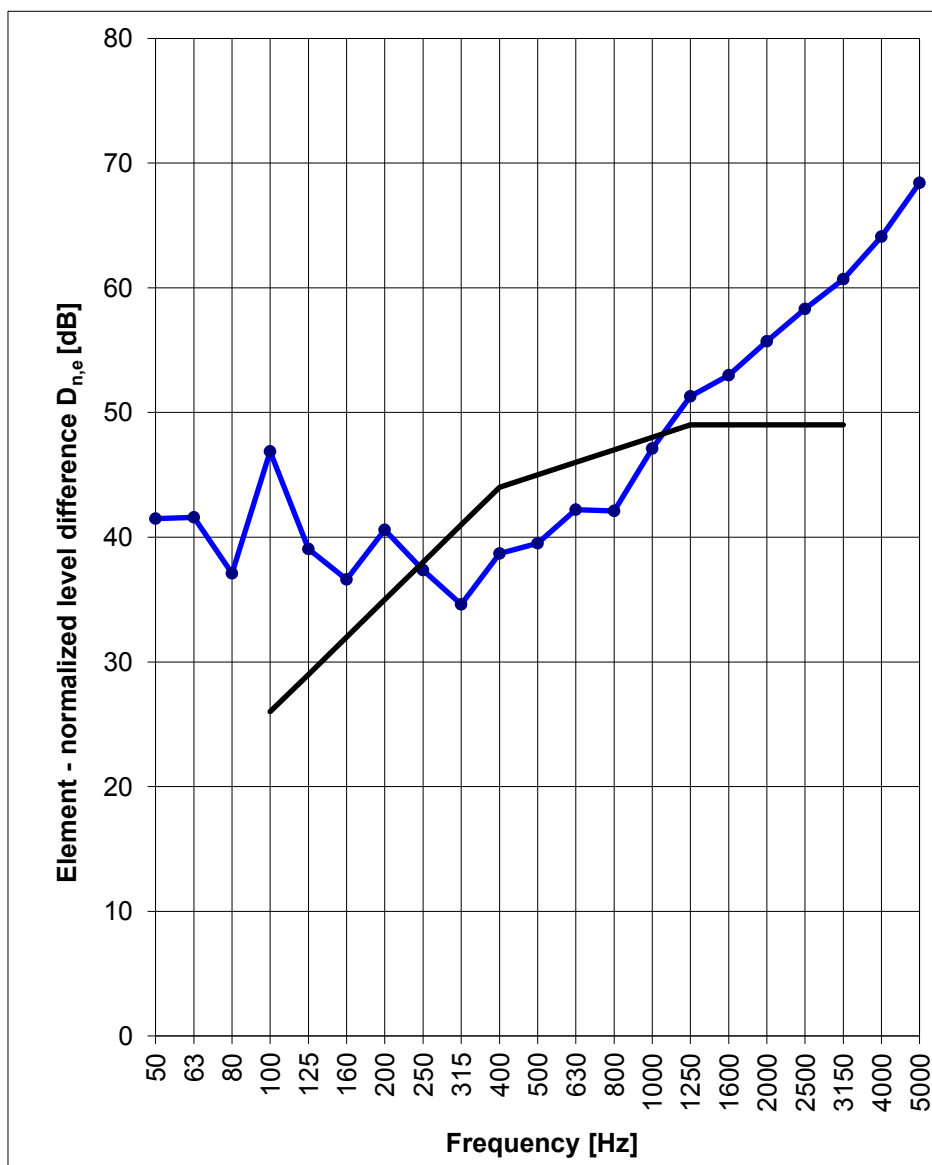
< 1 m²

Rooms volume:

Emitting 118.7 m³

Receiving 164.0 m³

f	$D_{n,e}$
[Hz]	[dB]
50	41.5
63	41.6
80	37.1
100	46.9
125	39.1
160	36.6
200	40.6
250	37.4
315	34.6
400	38.7
500	39.5
630	42.2
800	42.1
1000	47.1
1250	51.3
1600	53.0
2000	55.7
2500	58.3
3150	60.7
4000	64.1
5000	68.4



Evaluation of conformity according to UNI EN ISO 717-1

$D_{n,e,w}$ (C;Ctr) = 45 (0 ; -3) dB $C_{50-3150} = 0$ dB; $C_{50-5000} = 1$ dB; $C_{100-5000} = 1$ dB

Evaluation based on laboratory measurement results by means of a technical method.

$C_{tr,50-3150} = -3$ dB; $C_{tr,50-5000} = -3$ dB; $C_{tr,100-5000} = -3$ dB

Evaluation of sound reduction index, elaborated by steps of 0.1 dB: 45.6 dB

Laboratory Manager Ing. Antonio Scofano

Antonio Scofano