

Standardized level difference according to ISO 140-4

Field measurements of airborne sound insulation between rooms

Client: SSPK Szczecin

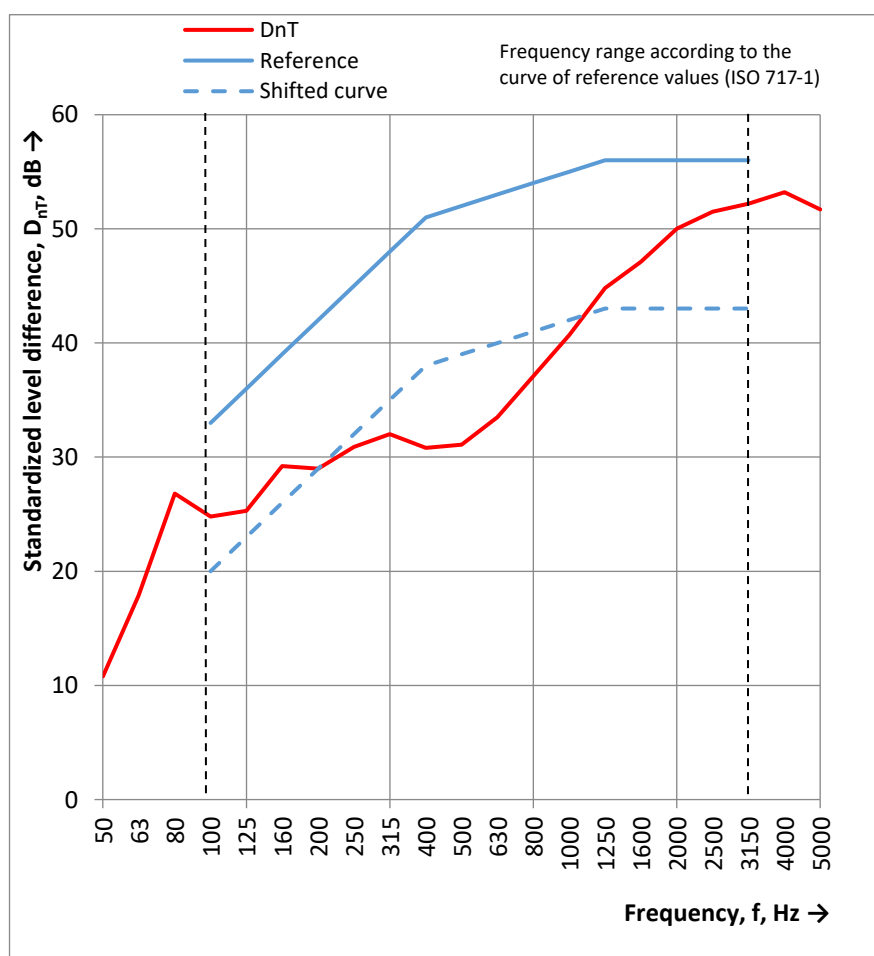
Date of test: 13.07.2023

Znormalizowana różnica poziomu dźwięku pomiędzy gabinetem 120 i gabinetem 119.

Source room volume: 75.0 m³

Receiving room volume: 39.8 m³

| Frequency f Hz | D _{nT} (one-third octave) dB |
|----------------------|--|
| 50 | 10,8 |
| 63 | 17,9 |
| 80 | 26,8 |
| 100 | 24,8 |
| 125 | 25,3 |
| 160 | 29,2 |
| 200 | 29,0 |
| 250 | 30,9 |
| 315 | 32,0 |
| 400 | 30,8 |
| 500 | 31,1 |
| 630 | 33,5 |
| 800 | 37,1 |
| 1000 | 40,7 |
| 1250 | 44,8 |
| 1600 | 47,1 |
| 2000 | 50,0 |
| 2500 | 51,5 |
| 3150 | 52,2 |
| 4000 | 53,2 |
| 5000 | 51,7 |



Rating according to ISO 717-1

D_{nT,w} (C; C_{tr}) = 39 (-1; -4) dB

C₅₀₋₃₁₅₀ = -2 dB

C₅₀₋₅₀₀₀ = -1 dB

C₁₀₀₋₅₀₀₀ = -1 dB

Evaluation based on field measurement results obtained by an engineering method

C_{tr,50-3150} = -7 dB

C_{tr,50-5000} = -7 dB

C_{tr,100-5000} = -4 dB

No. of test report:

Name of test institute: Akustyka-Pro

Date: 22.07.2023

Signature: dr Krzysztof Leo