

TEST REPORT

STANDARDIZED LEVEL DIFFERENCE ACCORDING TO ISO 140-4 STANDARD
FIELD MEASUREMENTS OF AIRBORNE SOUND INSULATION BETWEEN ROOMS

CLIENT: STUDIOBRICKS

DATE OF ESSAY: 03/20/18

IDENTIFICATION ELEMENT: Cabin model PRO

Outside measurements 232x192x228 cm

Inside measurements 210x170x206 cm

1 window

1 door

Emission inside the cabin and reception outside the cabin

Receiver room volume = 2500,0 m³

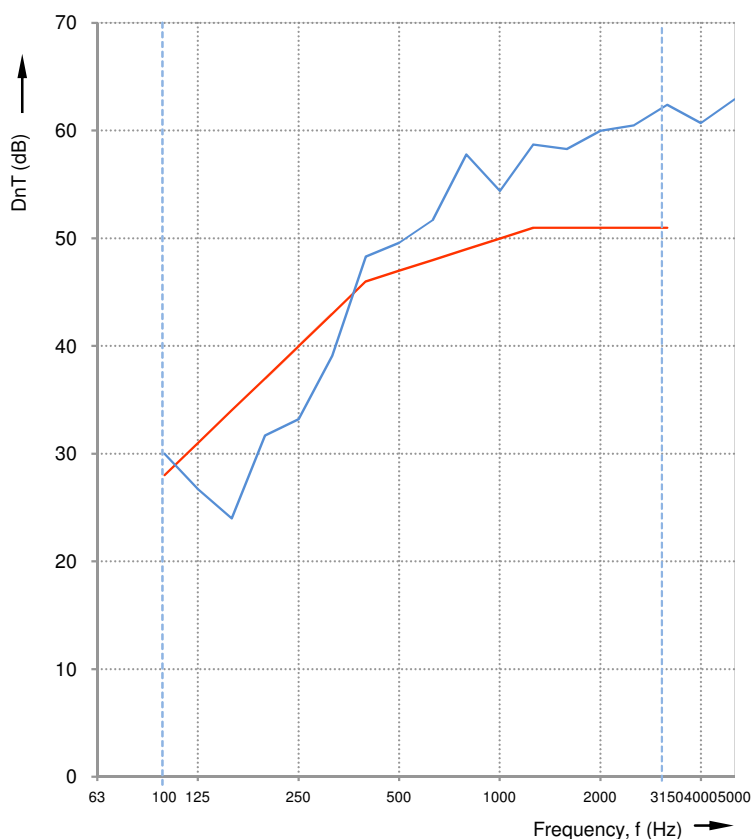
Cabin volume = 7,4 m³

Frequency range according to reference curve (ISO 717-1)

D_{nT} (dB)

REFERENCE CURVE ISO 717-1

Frequency <i>f</i> Hz	D_{nT} (octave third) dB
100	30,0
125	26,7
160	24,0
200	31,7
250	33,2
315	39,1
400	48,3
500	49,6
630	51,7
800	57,8
1000	54,4
1250	58,7
1600	58,3
2000	60,0
2500	60,5
3150	62,4
4000	60,7
5000	62,9



Value according to the standard ISO 717-1:

Insulation index according UNE EN ISO 717-1 $D_{nT,w}$ (C,Ctr) = 47 (-3 ; -8) dB

$D_{nT}(A)$ = 44,7 dBA

No corrections were made for background noise

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soundlab
LABORATORIO DE MEDICIONES ACÚSTICAS

Assay executed by: Ivan Martínez

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